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*Rev.*

**University of California**  
**Ernest O. Lawrence**  
**Radiation Laboratory**

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**INDEX OF LRL BERKELEY MECHANICAL ENGINEERING  
DEPARTMENT ENGINEERING NOTES AND SPECIFICATIONS  
VOLUME 2, REVISED SEPTEMBER 1966**

**Berkeley, California**

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DEPARTMENT ENGINEERING NOTES AND SPECIFICATIONS

Volume 2, Revised September 1966

James O. Turner

Lawrence Radiation Laboratory  
University of California  
Berkeley, California

Introduction

This is a directory and index of engineering notes and specifications issued by the Mechanical Engineering Department of the Lawrence Radiation Laboratory at Berkeley for the approximate period: March 15, 1963 to June 30, 1966. It is composed of three sections:

Section I is a directory of the Category Codes used to collect documents according to project, program, or general field of interest.

Section II is a listing of the documents arranged by category code.

Section III is a "Keyword-Plus-Title" index. Here the listing is alphabetical by key words, or in effect, by subject matter of content. This section also contains key-word references to the different category code groupings in Section II

Exponents

Exponents are denoted by \*. For example,  $2.4 \times 10^{-7}$  Torr is written:

2.4 x 10\*-7 TORR.

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--SECTION I--

DIRECTORY OF CATEGORY CODES

In order to group Engineering Note according to project, program, or general field of interest, the category codes listed in this section are used.

## DIRECTORY OF CATEGORY CODES

AA01 Mechanical Engineering,

AA0100 General  
AA0101 Administrative Methods and Procedures  
AA0102 Reports: Trip, Meeting, Conference  
AA0103 Costs, Time Studies, Estimating  
AA0106 Properties of Organic and Composite Materials  
AA0107 Properties of Ceramic and Miscellaneous Inorganic Materials  
AA0109 Properties of Miscellaneous Materials  
AA0112 Vacuum Practices, Equipment, Materials  
AA0113 Vessels: Vacuum, Pressure  
AA0114 Magnets, Solenoids, Coils  
AA0116 Shielding  
AA0117 Seals: Vacuum Pressure, Hydraulic  
AA0118 Devices, Components, Tools  
AA0121 Welding, Brazing, Soldering  
AA0123 Mathematics, Derivations, Computers, Programming, Etc.  
AA0125 Drafting Room Practices & Procedures  
AA0126 Mathematical Support  
AA0128 Document Preparation, Indexing, and Retrieval  
AA0129 Mechanics  
AA0130 Optical Practices and Equipment  
AA0200 Departmental Policy

AA0300 Minutes of Hydrogen Safety CommitteeAA0500 Mechanical Technicians,

AA0500 General  
AA0501 Optical Instrumentation and Tooling  
AA0503 Preparation of Thin Films

AA09 Work for Others

AA0901 Work for SLAC

AB01 Engineering Technology,

AB0101 General  
AB0102 Liquefied Gas Storage & Equipment  
AB0103 Superconductivity Studies  
AB0105 Evaluation of Vacuum Equipment and Materials  
AB0108 Investigation of Plastics, Rubbers, Adhesives

AB04 Engineering Technology for Livermore,

AB0400 General  
AB0402 Diagnostic Instrument Packaging  
AB0403 Support Division, Vacuum X-Ray Facility

AC01      Advanced Accelerator, Overall Engineering Studies,

AC0101      Progress Reports

AC02      Advanced Accelerator, Linac Injector,AC0200      General  
AC0220      Alignment  
AC0250      LinacAC03      Advanced Accelerator, Injector Synchrotron,AC0300      General  
AC0301      Injection and Ejection  
AC0302      Magnet Support and Enclosure  
AC0303      Magnets  
AC0304      RF-System  
AC0305      Vacuum-SystemAC04      Advanced Accelerator, Main Magnet Ring Structure,AC0402      Overall Component Arrangement  
AC0404      Foundations & Support  
AC0405      Magnet Support Adjustments  
AC0406      Alignment, Survey  
AC0409      Enclosure  
AC0410      Enclosure Main Accessway  
AC0411      Enclosure Facilities AccesswaysAC05      Advanced Accelerator, Main Ring Magnets,AC0500      General  
AC0501      Design Parameters  
AC0502      Core Materials & Fabrication  
AC0503      Coil Materials & Fabrication  
AC0505      Alternating-Gradient Magnets  
AC0508      AlignmentAC07      Advanced Accelerator, Main Ring Accelerating-System,

AC0701      RF-System

AC08      Advanced Accelerator, Main Vacuum-System,AC0800      General  
AC0801      Vacuum ChamberAC10      Advanced Accelerator, Beam Extraction,

AC1001      Magnets

AC11 Advanced Accelerator, Experimental Areas,

AC1100 General  
AC1110 Internal Target Area  
AC1120 External Proton Beam Area

AC12 Advanced Accelerator, Shielding and Personnel Protection,

AC1200 General

AC13 Advanced Accelerator, Handling Equipment,

AC1300 General

AT01 Targets. Hydrogen, Helium, Etc.,

AT0101 Maintenance and Operation  
AT0102 Development and Construction

BEO1 Bevatron, Building,

BEO104 Utilities

BEO5 Bevatron, Accelerating-System,

BEO503 Oscillator Amplifier-System

BEO6 Bevatron, Miscellaneous,

BEO601 General  
BEO610 Handling Equipment and Cranes

BEO7 Bevatron, Experimental Facilities,

BEO701 General Experimental-Areas  
BEO702 Probes, Clippers, Targets, Plunging Mechanisms  
BEO705 Auxiliary Magnets and Stands  
BEO706 Auxiliary Magnet Power-Supplies, Shunts  
BEO708 Velocity Spectrometers, Power-Supplies  
BEO709 Safety Equipment. Hydrogen Vents, Monitoring, Etc.

BEO8 Bevatron, External Proton Beam,

BEO801 General  
BEO802 Targets  
BEO803 Vacuum Channel  
BEO804 Transport Magnets and Power-Supplies  
BEO805 Shielding  
BEO806 Experimental Facilities

BE09 Bevatron, Injector II

BE0902 Ion Source  
BE0903 Ion Gun  
BE0904 Ion Gun to Linac  
BE0905 Linac  
BE0906 Linac to Inflector  
BE0907 Inflector

BE11 Bevatron, Shielding and Support Structures,

BE1130 For 10\*13 Particles-Per-Pulse

BE12 Bevatron, Magnet Core,

BE1201 General  
BE1210 Pole-Tip and Pole-Base

BE13 Bevatron, Magnet Coil,

BE1301 General  
BE1305 End Winding Supports

BE14 Bevatron, Magnet Power-Supply,

BE1401 General

BE18 Bevatron, Vacuum Envelope,

BE1805 Beam Exit Nozzles and Windows

CA01 184" Cyclotron, General,

CA0100 Proposed Improvements  
CA0101 Operation and Maintenance  
CA0102 Handling & Lifting Equipment

CA02 184" Cyclotron, Improvements,

CA0200 General  
CA0202 Physics Cave Shielding  
CA0203 Shielding  
CA0206 Central Area Studies

CA03 184" Cyclotron, Auxiliary Experimental Equipment,

CA0303 Focussing Magnets

CBO1 88" Cyclotron, Mechanical,

CBO100 General  
CBO101 Magnet  
CBO103 Magnet Trimming Coils  
CBO112 Dee

CB01 88" Cyclotron, Mechanical, (Continued)

CB0120 Vacuum-System  
CB0121 Dee Tank  
CB0125 Deflector  
CB0130 Ion Source  
CB0140 Water-System in Pit

CB02 88" Cyclotron, Accessory Equipment,

CB0200 General  
CB0201 External Beam Magnets

CB03 88" Cyclotron, Miscellaneous,

CB0301 Improvements

HDO1 72" Hydrogen Bubble Chamber,

HDO102 Development  
HDO103 Magnet

HDO2 82" Bubble Chamber,

HDO201 Conversion from 72-Inch  
HDO202 Illumination  
HDO203 Optics

HE01 25" Hydrogen Bubble Chamber,

HE0102 Magnet  
HE0103 Chamber and Expansion-System  
HE0105 Camera Optics  
HE0106 Operation

HFO1 80" BNL Bubble Chamber Camera,

HFO101 Stereo Image Calibration  
HFO102 Economics of Operation  
HFO103 Safety

LA01 Heavy Ion Accelerator, General,

LA0100 Proposed Improvements  
LA0101 Operation and Maintenance  
LA0102 New Equipment and Components  
LA0103 Research Studies and Tests  
LA0105 Studies for Increased Duty-Factor  
LA0106 Shielding  
LA0107 Accelerator Cooling  
LA0108 Additional Injector Terminal & Prestripper Tank Facilities

MNO2      Omnitron, Synchrotron,

MNO201      RF-System

PC01      Propane Bubble Chambers,

PC0101      Operation

RA02      Inorganic Materials Research,

RA0200      General

RA0201      High-Temperature Chemistry

RA0202      Solid-State Physics and Chemistry

RA0203      Low-Temperature Properties of Materials

RA0204      Metallurgy Ceramic

RB01      Biology and Medicine Research,

RB0100      General

RB0101      Instrumentation for Medical Physics

RB0104      Positioner and Cave Platform at 184" Cyclotron

RB0108      Irradiation Stereotaxic Apparatus for Humans

RC01      Chemistry Research,

RC0100      General

RC0101      Beta and Gamma Ray Spectroscopy

RC0102      Low-Temperature Nuclear Alignment

RC0103      Cascade Isotope Separator; Reynolds

RC0106      Decay Schemes of Alpha Emitters

RC0107      Radiation Chemistry I, Newton

RC05      Bio-Organic Chemistry Research,

RC0500      General

RC0501      Magneto-Optical Rotation Apparatus

RP01      Physics Research,

RP0101      Moyer-Helmholz Group

RP0102      Segre-Chamberlain Group

RP0103      Alvarez Group

RP0104      Crowe Group

--SECTION II--

LISTING BY CATEGORY

In this section, documents are grouped according to category. Within each group, they are arranged by serial number, or approximately chronologically.



CODE 1.....SPECIFICATIONS:

- SPEC. M15C           MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS  
(STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63,  
R4/17/64, 5P)
- SPEC. M16C           HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T  
TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)
- SPEC. M17           NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R  
NICKERSON. M ELLIOTT. 3/11/63, 1P)
- SPEC. M18B           BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER.  
12/26/61, R4/14/64, R7/22/64, 2P)
- SPEC. M344A           Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE.  
1/24/63, R4/18/63, 4P)
- SPEC. M345B           M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE.  
12/11/62, R2/11/63, 5/29/63, 4P)
- SPEC. M346           12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS.  
2/5/63, 4P)
- SPEC. M348B           8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON,  
EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63,  
R5/3/63, R5/6/63, 3P)
- SPEC. M349B           TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/17/63,  
R1/28/64, 1P)
- SPEC. M350B           VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63,  
R1/27/64, 5P)
- SPEC. M351B           VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL  
FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)
- SPEC. M352           NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63,  
1P)
- SPEC. M353           18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY  
MAGNETS. J WALTER. 5/15/63, 7P)

- SPEC. M354 DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P)
- SPEC. M355A ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P)
- SPEC. M358 VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)
- SPEC. M359 CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)
- SPEC. M360A VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)
- SPEC. M361A J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)
- SPEC. M362A M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/10/63, R1/7/64, 3P)
- SPEC. M363 GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P)
- SPEC. M364 M-6 MAGNET (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 2/18/64, 3P)
- SPEC. M365 NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P)
- SPEC. M366 VACUUM-SYSTEM, PRELIMINARY STUDY (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. V KOPYTOFF. 5/4/64, 2P)
- SPEC. M367A PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P)
- SPEC. M368 8-INCH-GAP MAGNET (BEVATRON EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 7/8/64, 4P)
- SPEC. M369 POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/21/64, 3P)

- SPEC. M370 HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)
- SPEC. M371 UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P)
- SPEC. M372 PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORNGREN. 10/12/64, 5P)
- SPEC. M373 APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)
- SPEC. M374 GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)
- SPEC. M375 FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)
- SPEC. M376 DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)
- SPEC. M377 TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)
- SPEC. M378 12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P)
- SPEC. M379 TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 5/27/65, 1P)
- SPEC. M381 LINAC TANKS (ADVANCED ACCELERATOR. W EATON. 6/10/65, 5P)
- SPEC. M383 MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P)
- SPEC. M384 FILM PROCESSOR, 35MM (P BEAN. 8/16/65, 2P)
- SPEC. M385 FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P)
- SPEC. M386C MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P)
- SPEC. M387 SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P)
- SPEC. M388 25-LINES-PER-INCH PRINTED-CIRCUIT BOARD (A WATANABE. R FULTON. 10/8/65, 1P)

- SPEC M389 82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P)
- SPEC M390A 12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P)
- SPEC M391A 82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P)
- SPEC M392A 16 X 36 C MAGNET (184-INCH CYCLOTRON. D ROTHFUSS. 12/13/65 R4/18/66, 5P)
- SPEC M393 FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)
- SPEC M394 FREON PUMP (OMNITRON STUDY, RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)
- SPEC M395 STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P)
- SPEC M396 ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P)
- SPEC M397 ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P)
- SPEC M398 MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P)
- SPEC M401B MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P)

CODE AA0100.....MECHANICAL ENGINEERING, GENERAL:

- AA0100 M3273 CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)
- AA0100 M3677 ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)

CODE AA0101.....ADMINISTRATIVE METHODS AND PROCEDURES:

- AA0101 M3045 TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)
- AA0101 M3499 RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)

CODE AA0102.....REPORTS, TRIP, MEETING, CONFERENCE:

- AA0102 M3072 VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P)
- AA0102 M3093 ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P)
- AA0102 M3158 VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)
- AA0102 M3169 DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)
- AA0102 M3172 AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P)
- AA0102 M3173 VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P)
- AA0102 M3174 BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)
- AA0102 M3178 AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)
- AA0102 M3184 MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P)
- AA0102 M3201 WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63. 4P)
- AA0102 M3205A UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P)
- AA0102 M3253 TECHNICAL INFORMATION-SYSTEM (AND) CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P)
- AA0102 M3260 TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)
- AA0102 M3288 AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. J V ROMANO. 3/23/64, 11P)

- AA0102 M3310 VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202).
- AA0102 M3332 DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)
- AA0102 M3333 ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)
- AA0102 M3361 JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)
- AA0102 M3373 TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)
- AA0102 M3384 CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)
- AA0102 M3396 VISIT TO 1964 WESCON AT LOS ANGELES (TRIP REPORT. S JOHNSON. 8/26/64, 1P)
- AA0102 M3397 WESCON SHOW, 1964 (TRIP REPORT. R REIMERS. 8/27/64, 1P)
- AA0102 M3421 MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)
- AA0102 M3432 VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 1P)
- AA0102 M3433 AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 3P)
- AA0102 M3446 NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64, 4P)
- AA0102 M3515 DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)
- AA0102 M3538 21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P)
- AA0102 M3539 PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)

- AA0102 M3540 BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P)
- AA0102 M3542 ATOMICS INTERNATIONAL (CANOGA PARK, CALIFORNIA TRIP REPORT. P HERNANDEZ. 4/15/65, 2P UCID 2509)
- AA0102 M3548 VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P)
- AA0102 M3584 1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE (TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P)
- AA0102 M3588 1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P)
- AA0102 M3589 MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P)
- AA0102 M3631 VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P)
- AA0102 M3644 INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P)
- AA0102 M3735 TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790)
- AA0102 M3768 NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)
- CODE AA0103.....COSTS, TIME STUDIES, ESTIMATING:
- AA0103 M3492 COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)
- CODE AA0106.....PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS:
- AA0106 M3160 HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)
- AA0106 M3357A MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)
- AA0106 M3741 ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORNGREN. 5/17/66, 3P)

AA0106 M3764 HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P)

CODE AA0107 . . . . . PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS:

AA0107 M3691 THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P)

AA0107 M3738A THERMAL CONDUCTIVITY OF SAPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P)

CODE AA0109 . . . . . PROPERTIES OF MISCELLANEOUS MATERIALS:

AA0109 M3566 STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P)

CODE AA0112 . . . . . VACUUM PRACTICES, EQUIPMENT, MATERIALS:

AA0112 M3148 MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334)

AA0112 M3162 HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)

AA0112 M3210 THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)

AA0112 M3212A THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)

AA0112 M3217 HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)

AA0112 M3294 BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)

AA0112 M3342 MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)

AA0112 M3364A THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)

AA0112 M3389 PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)

AA0112 M3478 OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)



- AA0112 M3484 CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)
- AA0112 M3507 OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)
- AA0112 M3509 OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)
- AA0112 M3636 REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P)
- CODE AA0113.....VESSELS, VACUUM, PRESSURE:
- AA0113 M3011 BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)
- AA0113 M3110 PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)
- CODE AA0114.....MAGNETS, SOLENOIDS, COILS:
- AA0114 M3026 FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)
- AA0114 M3047 PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331)
- AA0114 M3079 VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)
- AA0114 M3113 PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)
- AA0114 M3191 MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)
- AA0114 M3195 IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P)
- AA0114 M3219 THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)
- AA0114 M3371 CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R MEUSER. 7/21/64, 3P)
- AA0114 M3382B GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)

- AA0114 M3383A LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341)
- AA0114 M3387 CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P)
- AA0114 M3416 C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)
- AA0114 M3502 MAGNET NAME-PLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J HART. 2/10/65, 1P)
- AA0114 M3524 MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P)
- AA0114 M3543 USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P)
- AA0114 M3570 FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P)
- AA0114 M3571 RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P)

CODE AA0116.....SHIELDING:

- AA0116 M3511 ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)
- AA0116 M3743 CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN.) 11/15/57, 22P. UCID 4)
- AA0116 M3753 SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)

CODE AA0117.....SEALS, VACUUM, PRESSURE, HYDRAULIC:

- AA0117 M3035 VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)
- AA0117 M3175A J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)
- AA0117 M3199A J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY.) 11/21/63, 4P)

CODE AA0118.....DEVICES, COMPONENTS, TOOLS:

- AA0118 M3183 SOME CRITERIA FOR FLOW INTERLOCKS (R BURLEIGH. 11/14/63, 3P UCID 2231)  
AA0118 M3431 STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)

CODE AA0121.....WELDING, BRAZING, SOLDERING:

- AA0121 M3437 PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)

CODE AA0123.....MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC.:

- AA0123 M3009 WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)  
AA0123 M3088 PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)  
AA0123 M3109 LEAST-SQUARES TECHNIQUE USING MATRICES (R SCHWARZ. 7/29/63, 5P)  
AA0123 M3117A POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P)  
AA0123 M3130 TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)  
AA0123 M3234 DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)  
AA0123 M3236 THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)  
AA0123 M3271 A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)  
AA0123 M3337 FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)  
AA0123 M3343 PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)  
AA0123 M3347 CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)  
AA0123 M3393 SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)  
AA0123 M3394 SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)

AA0123 M3488 ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962  
MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P)

AA0123 M3489 ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL  
ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P)

AA0123 M3525A AN INTRODUCTION TO VECTOR ALGEBRA (R SCHWARZ. 3/22/65 R4/20/65, 17P)

CODE AA0125..... DRAFTING-ROOM PRACTICES AND PROCEDURES:

AA0125 M3605 PROPOSAL FOR MICROFILM-SYSTEM (MECHANICAL ENGINEERING DEPARTMENT, DRAFTING  
ROOM PRACTICES AND PROCEDURES. P BEAN. 6/15/65, 16P UCID 2631)

CODE AA0126..... MATHEMATICAL SUPPORT:

AA0126 M3078 REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO  
APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P)

CODE AA0128..... DOCUMENT PREPARATION, INDEXING, RETRIEVAL:

AA0128 M3163 ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN.  
10/17/63, 3P)

AA0128 M3228B ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY  
CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P)

AA0128 M3374B ENGINEERING-NOTE AUTHORS GUIDE (J TURNER. 7/27/64 R8/20/64 R12/21/66, 3P UCID  
2485)

CODE 0129..... MECHANICS:

AA0129 M3194 DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R  
MEUSER. 11/8/63, 7P)

CODE AA0130..... OPTICAL PRACTICES AND EQUIPMENT:

AA0130 M3760 ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORNGREN. 6/13/66, 2P)

CODE AA0200..... DEPARTMENTAL POLICY:

AA0200 M3623A ENGINEERING-NOTE POLICY. (R BURLEIGH, J TURNER. 11/3/65 R12/1/65, 1P)

AA0200 M3683 RELATIONS WITH SHOPS (DEPARTMENT POLICY. R BURLEIGH. 2/3/66, 1P)

CODE AA0300.....MINUTES OF HYDROGEN SAFETY COMMITTEE

- AA0300 M3085 INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)
- AA0300 M3133 LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)
- AA0300 M3188A TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)
- AA0300 M3206 UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)
- AA0300 M3209 BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P)
- AA0300 M3225 PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)
- AA0300 M3249 THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P)
- AA0300 M3265 SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)
- AA0300 M3268 ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)
- AA0300 M3277 ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)
- AA0300 M3449 PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)
- AA0300 M3450 ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)
- AA0300 M3606 VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 8/16/65, 7P)

- AA0300 M3609 EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P)
- AA0300 M3620 REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P)
- AA0300 M3621 VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 1P)
- AA0300 M3622 HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P)
- AA0300 M3628 BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P)
- AA0300 M3630 HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)
- AA0300 M3634 SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)
- AA0300 M3638 LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P)
- AA0300 M3639 SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRING. 12/1/65, 1P UCID 2712)
- AA0300 M3641 CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P)
- AA0300 M3643 HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P)
- AA0300 M3661 GAS DETECTORS, (SURVEY AND RECOMMENDATION, HYDROGEN SAFETY COMMITTEE. J SHAND. 1/4/66, 1P UCID 2739)
- AA0300 M3671 REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P)
- AA0300 M3672 LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P)
- AA0300 M3701 CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P)

- AA0300 M3704 PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRING. 2/28/66, 2P)
- AA0300 M3721 SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P)
- AA0300 M3759 1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)
- AA0300 M3772 SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P)

CODE AA0500..... MECHANICAL TECHNICIANS, GENERAL:

- AA0500 M3425 A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)

CODE AA0501..... OPTICAL INSTRUMENTATION AND TOOLING:

- AA0501 M3403 A MINIATURE POSITIONING UNIT FOR STABLE, MULTI-COORDINATE APPLICATIONS (J WILTENS. 7/31/64, 7P)
- AA0501 M3408 A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)
- AA0501 M3426 ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)
- AA0501 M3482 MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)
- AA0501 M3600 ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLES. 6/28/65, 2P)

CODE AA0503..... PREPARATION OF THIN FILMS:

- AA0503 M3104 THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O CONNELL. 5/3/63, 4P)
- AA0503 M3105 A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)
- AA0503 M3106 A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)

AA0503 M3107 THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O'CONNELL. 5/3/63, 2P)

CODE AA0901 ..... WORK FOR SLAC:

AA0901 M3423 ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380)

AA0901 M3440 PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)

AA0901 M3441 MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418)

AA0901 M3442 MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)

AA0901 M3444 PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)

AA0901 M3447A PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)

CODE AB0101 ..... ENGINEERING TECHNOLOGY:

AB0101 M3340 A NEW TYPE WATER FLOW SWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)

AB0101 M3352 A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFFER. 6/24/64, 1P)

CODE AB0102 ..... LIQUEFIED GAS STORAGE AND EQUIPMENT:

AB0102 M3050 LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)

CODE AB0103 ..... SUPERCONDUCTIVITY STUDIES:

AB0103 M3018 COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)

AB0103 M3388 CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)

CODE AB0105 ..... EVALUATION OF VACUUM EQUIPMENT:



- AB0105 M3369 WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P)
- AB0105 M3385 WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P)
- AB0105 M3608 PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)
- AB0105 M3616 PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)
- AB0105 M3619 PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P)
- AB0105 M3624 PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)
- AB0105 M3651A ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)
- AB0105 M3681 PUMPING-SPEED FOR AIR, PUMPDOWN FROM N<sub>2</sub> EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)

CODE AB0108.....INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES:

- AB0108 M3306 INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)

CODE AB0400.....ENGINEERING TECHNOLOGY FOR LIVERMORE:

- AB0400 M3120A CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)

CODE AB0402.....DIAGNOSTIC INSTRUMENT PACKAGING:

- AB0402 M3021 DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)

CODE AB0403.....SUPPORT DIVISION, VACUUM X-RAY FACILITY:

AB0403 M3033 CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)

CODE AC0101.....ADVANCED-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS:

AC0101 M3216 MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR, H GORDON. 12/19/63, 15P)

CODE AC0200.....ADVANCED-ACCELERATOR, LINAC INJECTOR:

AC0200 M3202 ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P)

AC0200 M3341 ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P)

AC0200 M3506 COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)

AC0200 M3727 COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P)

CODE AC0220.....ADVANCED-ACCELERATOR, LINAC INJECTOR, ALIGNMENT:

AC0220 M3597 INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P)

CODE AC0250.....ADVANCED-ACCELERATOR, LINAC INJECTOR, LINAC:

AC0250 M3587 ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P)

AC0250 M3710 TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P)

CODE AC0300.....ADVANCED-ACCELERATOR, SYNCHROTRON INJECTOR:

AC0300 M3246 INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)

AC0300 M3258 COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P)

- AC0300 M3344 BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P)
- AC0300 M3407 CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P)
- AC0300 M3452 BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P)
- AC0300 M3471 PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 12/21/64, 17P)
- AC0300 M3475 BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)
- AC0300 M3537 SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497)
- AC0300 M3568 MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584)
- AC0300 M3614 SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P)
- AC0300 M3647 TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P)
- AC0300 M3714A INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P)
- AC0300 M3745 SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)
- AC0300 M3767 SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)

CODE AC0301.....ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION:

- AC0301 M3580 PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, M GREEN, 6/17/65, 12P)
- AC0301 M3591 COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON, M GREEN, 7/1/65, 38P)
- CODE AC0302..... ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE:
- AC0302 M3578 MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, C MACDONALD, 5/25/65, 28P)
- AC0302 M3668 ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, P HERNANDEZ, 1/11/66, 20P)
- AC0302 M3680 GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, P HERNANDEZ, 1/31/66, 7P)
- CODE AC0303..... ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS:
- AC0303 M3358 EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS, S JOHNSON, 6/16/64, 8P)
- AC0303 M3390C SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER, P HERNANDEZ, 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P)
- AC0303 M3470 GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS, V KOPYTOFF, 12/16/64, 5P)
- AC0303 M3532 CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, M GREEN, 4/5/65, 5P)
- AC0303 M3646 GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, P HERNANDEZ, 12/8/65, 4P)
- AC0303 M3649 GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, M GREEN, 12/20/65, 22P)
- AC0303 M3676 TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, M GREEN, 1/24/66, 14P)
- AC0303 M3698 AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST

AC0303 M3715 THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)

CODE AC0304..... ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM;

AC0304 M3322B RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)

AC0304 M3331A RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)

AC0304 M3339A RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)

AC0304 M3348 COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)

AC0304 M3365 A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)

AC0304 M3381 COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)

AC0304 M3627 RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)

AC0304 M3718 RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P)

CODE AC0305..... ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM;

AC0305 M3295 REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)

AC0305 M3455 A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)

- AC0305 M3503 WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)
- AC0305 M3527 EDDY CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 7P)
- AC0305 M3528 EVACUATION OF VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 4P)
- AC0305 M3529 STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 5P)
- AC0305 M3530 VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/30/65, 12P)
- AC0305 M3762 PROPOSED VACUUM-SYSTEM COMPONENTS (ADVANCED ACCELERATOR, INJECTION SYSTEM, LINEAR ACCELERATOR. W EATON, F REINATH. 6/13/66, 6P)
- AC0305 M3773 OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P)
- CODE AC0402 .....ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT:
- AC0402 M3398 LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)
- AC0402 M3551A COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)
- CODE AC0404 .....ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT:
- AC0404 M3229 PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)
- AC0404 M3230 A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)

- AC0404 M3242 CROSS-SECTION PARAMETERS FOR DEEP BEAMS (8-FT TO 15-FT DEEP, ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W SALSIG. 1/24/64, 7P)
- AC0404 M3243 COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UGID 2089)
- AC0404 M3270 THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)
- AC0404 M3283 NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)
- AC0404 M3304 RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)
- AC0404 M3319 MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P)
- AC0404 M3321 YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)
- AC0404 M3336 BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)
- AC0404 M3360 TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)
- AC0404 M3500 PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)
- AC0404 M3520 DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)
- AC0404 M3522 SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)

- AC0404 M3523 CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P)
- AC0404 M3557 LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520)
- CODE AC0405..... ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS:
- AC0405 M3546 MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)
- AC0405 M3552A DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514)
- AC0405 M3553B COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)
- CODE AC0406..... ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY:
- AC0406 M3531 A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P)
- AC0406 M3545 TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P)
- AC0406 M3579 MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P)
- AC0406 M3603 SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)
- AC0406 M3607 SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P)
- AC0406 M3688 ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P)
- CODE AC0409..... ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE:



- AC0409 M3226 FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)
- AC0409 M3244 PREGAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)
- AC0409 M3320 MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)
- CODE AC0410.....ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY:
- AC0410 M3560A ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)
- CODE AC0411.....ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS:
- AC0411 M3279 CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)
- CODE AC0500.....ADVANCED-ACCELERATOR, MAIN RING MAGNETS:
- AC0500 M3095 COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)
- AC0500 M3181 PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)
- AC0500 M3238 RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)
- AC0500 M3248 PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)
- AC0500 M3468 MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)
- AC0500 M3533 MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)

- AC0500 M3536 MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT.  
4/8/65, 8P)
- AC0500 M3746 INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING  
MAGNETS. R KILPATRICK. 5/19/66, 7P)

CODE AC0501..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS:

- AC0501 M3154 PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING.  
R KILPATRICK. 9/27/63, 7P)
- AC0501 M3257 LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R  
KILPATRICK. 2/7/64, 2P)
- AC0501 M3259 INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN  
RING. R KILPATRICK. 2/10/64, 2P)
- AC0501 M3453 MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR,  
ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)
- AC0501 M3526 ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR,  
MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)

CODE AC0502..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION:

- AC0502 M3170 VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R  
KILPATRICK. 10/22/63, 2P)
- AC0502 M3650 MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING  
MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)

CODE AC0503..... ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION:

- AC0503 M3755 BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS  
(ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)

CODE AC0505..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS:

- AC0505 M3155 MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED  
ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)

- AC0409 M3226 FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)
- AC0409 M3244 PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)
- AC0409 M3320 MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)
- CODE AC0410.....ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY:
- AC0410 M3560A ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)
- CODE AC0411.....ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS:
- AC0411 M3279 CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)
- CODE AC0500.....ADVANCED-ACCELERATOR, MAIN RING MAGNETS:
- AC0500 M3095 COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)
- AC0500 M3181 PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)
- AC0500 M3238 RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)
- AC0500 M3248 PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)
- AC0500 M3468 MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)
- AC0500 M3533 MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)

AC0500 M3536 MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT.  
4/8/65, 8P)

AC0500 M3746 INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING  
MAGNETS. R KILPATRICK. 5/19/66, 7P)

CODE AC0501..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS:

AC0501 M3154 PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING.  
R KILPATRICK. 9/27/63, 7P)

AC0501 M3257 LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R  
KILPATRICK. 2/7/64, 2P)

AC0501 M3259 INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN  
RING. R KILPATRICK. 2/10/64, 2P)

AC0501 M3453 MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR,  
ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)

AC0501 M3526 ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR,  
MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)

CODE AC0502..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION:

AC0502 M3170 VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R  
KILPATRICK. 10/22/63, 2P)

AC0502 M3650 MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING  
MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)

CODE AC0503..... ADVANCD-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION:

AC0503 M3755 BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS  
(ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)

CODE AC0505..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS:

AC0505 M3155 MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED  
ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)

- AC0505 M3156 MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)
- AC0505 M3211 TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)
- AC0505 M3254 CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)
- AC0505 M3261 APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)
- AC0505 M3326 REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)

CODE AC0508..... ADVANCD-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT:

- AC0508 M3200 A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018)
- AC0508 M3237 AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)

CODE AC0701..... ADVANCD-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM:

- AC0701 M3654 COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)

CODE AC0800..... ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM:

- AC0800 M3134 ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)
- AC0800 M3241B MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)
- AC0800 M3263 DEFINITION OF PROBLEMS IN MAIN VACUUM-SYSTEM (ADVANCED ACCELERATOR. F REINATH. 2/17/64, 18P UCID 2127)
- AC0800 M3269A EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)

- AC0800 M3281 ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)
- AC0800 M3284 MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)
- AC0800 M3299 MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)
- AC0800 M3412 VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)
- AC0800 M3510A ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517)
- AC0800 M3519 AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P)
- AC0800 M3559A MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P)
- CODE AC0801..... ADVANCD-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER:
- AC0801 M3227 COMPARATIVE STUDY OF VACUUM-CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)
- AC0801 M3292A MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363)
- AC0801 M3723 VACUUM-CHAMBER, EARLY TESTING REQUIREMENTS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. J SUSTA. 4/5/66, 4P)
- CODE AC1001.....ADVANCD-ACCELERATOR, BEAM EXTRACTION, MAGNETS:
- AC1001 M3451 BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)
- AC1001 M3561 COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P)

CODE AC1100..... ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS:

AC1100 M3247 EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)

CODE AC1110..... ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA:

AC1110 M3577 COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/4/65, 12P)

AC1110 M3585 COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS, PART 2 (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/22/65, 6P)

CODE AC1120..... ADVANCD-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA:

AC1120 M3516 COST ESTIMATE NUMBER 3 (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREAS. R MEUSER. 3/16/65, 15P)

AC1120 M3541 POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P)

AC1120 M3563 SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P)

AC1120 M3564 TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P)

AC1120 M3612A SAFETY RECOMMENDATIONS FOR THE EXPERIMENTAL-HALL (ADVANCED ACCELERATOR, LONG PROTON BEAM AREA. P HERNANDEZ. 10/5/65 R11/1/65, 3P UCID 2649)

AC1120 M3648 THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)

AC1120 M3652 OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P)

AC1120 M3653 OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)

- AC1120 M3664 TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P)
- AC1120 M3665 TARGET MAGNETS, DYNAMIC CHARACTERISTICS (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 2P)
- AC1120 M3682 PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P)
- AC1120 M3687 TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P)

CODE AC1200.....ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION:

- AC1200 M3508 ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)
- AC1200 M3514 SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)
- AC1200 M3534 ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P)
- AC1200 M3601 SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)
- AC1200 M3602 SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)
- AC1200 M3736 SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)

CODE AC1300.....ADVANCED-ACCELERATOR, HANDLING EQUIPMENT:

- AC1300 M3535A SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P)
- AC1300 M3562A COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P)
- AC1300 M3575 TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P)



- AC1300 M3626 WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)
- AC1300 M3659 COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738)
- AC1300 M3662 SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740)

CODE AT0101.....TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION:

- AT0101 M3251 1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)
- AT0101 M3419 HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)

CODE AT0102.....TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION:

- AT0102 M3111 STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)
- AT0102 M3180 ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)
- AT0102 M3187 VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)
- AT0102 M3197 COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)
- AT0102 M3235 SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)
- AT0102 M3252 BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)
- AT0102 M3402 LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)
- AT0102 M3497 CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)

CODE BE0104..... BEVATRON, BUILDING, UTILITIES:

- BE0104 M3112 ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)
- BE0104 M3192 RECOMMENDED CHANGES TO LGW-SYSTEMS TO ACCOMMODATE NEW LOADS (BEVATRON. W EATON, F CROSBY. 11/20/63, 3P)

CODE BE0503..... BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM:

- BE0503 M3276A BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON-ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)

CODE BE0601..... BEVATRON, MISCELLANEOUS:

- BE0601 M3046A DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P)
- BE0601 M3207 DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)
- BE0601 M3467 SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)

CODE BE0610..... BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES:

- BE0610 M3062 EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)
- BE0610 M3115 HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)
- BE0610 M3186 BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)
- BE0610 M3289A ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)
- BE0610 M3317 30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)
- BE0610 M3459 DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN.) 11/8/64, 12P)

CODE BE0701.....BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS:

- BE0701 M3048 LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)
- BE0701 M3702 CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)
- BE0701 M3726A CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P)
- BE0701 M3729 EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P)
- BE0701 M3734 MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P)

CODE BE0702.....BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS:

- BE0702 M3036 HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)
- BE0702 M3123A GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, 9/19/63, 4P)
- BE0702 M3135 STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)
- BE0702 M3136 GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)
- BE0702 M3137 GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)
- BE0702 M3138 GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)
- BE0702 M3139 GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)

BE0702 M3485 EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)

BE0702 M3731 UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783)

BE0702 M3732 BEARING TESTS FOR APPLICATION IN VACUUM OF  $1 \times 10^{-6}$  TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)

BE0702 M3754 STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)

CODE BE0705..... BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS:

BE0705 M3061 8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)

BE0705 M3198 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)

BE0705 M3208 AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)

BE0705 M3220A 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)

BE0705 M3256 ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)

BE0705 M3275 18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)

BE0705 M3293 DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)

BE0705 M3329 STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)

BE0705 M3422 INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)

BE0705 M3480 QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)

BE0705 M3483 12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P)

BE0705 M3486 8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P)

BE0705 M3590 INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P)

BE0705 M3667A 12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744)

BE0705 M3700 12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P)

CODE BE0706.....BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS:

BE0706 M3080 MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)

BE0706 M3349 8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438)

CODE BE0708.....BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES:

BE0708 M3024 VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)

BE0708 M3102 VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P)

BE0708 M3324A TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)

BE0708 M3368A PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON. G EDWARDS. 7/17/64, R12/21/64, 3P)

BE0708 M3472 VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES, G EDWARDS. 12/22/64, 3P)

CODE BE0709..... BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC.:

BE0709 M3004 OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)

BE0709 M3055 OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)

BE0709 M3151A 2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)

BE0709 M3221 HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)

BE0709 M3278 SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)

BE0709 M3355 HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)

BE0709 M3356 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)

BE0709 M3469 OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)

BE0709 M3592 485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)

BE0709 M3594 1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)

BE0709 M3670 290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)

- BE0709 M3693 290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)
- BE0709 M3694 160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)
- BE0709 M3728 1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)

CODE BE0801..... BEVATRON, EXTERNAL PROTON BEAM:

- BE0801 M3127B EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)
- BE0801 M3583A LIQUID-LEVEL-SYSTEM, INTERPRETING OUTPUT READINGS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 6/21/65, R6/24/65, 3P)
- BE0801 M3596 LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P)
- BE0801 M3598 LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P)
- BE0801 M3678 LIQUID-LEVEL-SYSTEM, DATA RECORDING AND REDUCTION (BEVATRON EXTERNAL PROTON BEAM. S RICE. 1/26/66, 7P)
- BE0801 M3684 LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P)

CODE BE0802..... BEVATRON, EXTERNAL PROTON BEAM, TARGETS:

- BE0802 M3020 MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)
- BE0802 M3082 BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)
- BE0802 M3640 RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P)

CODE BE0803.....BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL:

BE0803 M3016 M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A  
WATANABE. 3/28/63, 12P)

CODE BE0804.....BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES:

BE0804 M3094 M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A  
LAKE. 7/8/63, 9P)

BE0804 M3103 AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON  
BEAM. A LAKE. 7/23/63, 15P UCID 2333)

BE0804 M3176A M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A  
LAKE. 8/26/63 R3/3/64, 19P UCID 2336)

BE0804 M3177A M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A  
LAKE. 11/7/63 R2/4/64, 32P)

BE0804 M3327 EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A  
LAKE. 5/6/64, 5P UCID 2337)

BE0804 M3490 M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE.  
1/29/65, 11P)

BE0804 M3708 MAGNET M-5 MARK-2 DESIGN (BEVATRON-EXTERNAL PROTON BEAM TRANSPORT MAGNETS. D  
VORKOEPEP. 12/2/65, 6P)

CODE BE0805.....BEVATRON, EXTERNAL PROTON BEAM, SHIELDING:

BE0805 M3030 CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND  
REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON  
EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)

BE0805 M3037 CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB  
(BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O  
CALLAHAN. 4/19/63, 8P UCID 2330)

CODE BE0806..... BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES:



BE0806 M3193 TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)

BE0806 M3391 BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)

CODE BE0902..... BEVATRON, INJECTOR-II, ION-SOURCE:

BE0902 M3017 HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)

BE0902 M3494 MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P)

CODE BE0903..... BEVATRON, INJECTOR-II, ION-GUN:

BE0903 M3028 REDUCTION OF VIBRATION CAUSED BY MG-SET (BEVATRON INJECTOR-II ION GUN HIGH-VOLTAGE TERMINAL. W EATON. 4/12/63, 3P)

CODE BE0904..... BEVATRON, INJECTOR-II, ION-GUN TO LINAC:

BE0904 M3074 PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P)

BE0904 M3645A SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P)

CODE BE0905..... BEVATRON, INJECTOR-II, LINAC:

BE0905 M3001A EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)

BE0905 M3002 HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P)

BE0905 M3006 CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)

BE0905 M3043 DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)

BE0905 M3091 DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR-II LINAC. S JOHNSON. 7/8/63, 3P)

BE0905 M3098 THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II. S JOHNSON. 7/18/63, 4P)

BE0905 M3108 COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)

BE0905 M3116 LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)

BE0905 M3124 OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)

BE0905 M3214 LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)

BE0905 M3215 INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P)

BE0905 M3346A MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411)

BE0905 M3351 FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)

BE0905 M3366 RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P)

BE0905 M3400 DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)

CODE BE0906.....BEVATRON, INJECTOR-II, LINAC TO INFLECTOR:

BE0906 M3003 BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)

BE0906 M3013 MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)

BE0906 M3022 PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)

BE0906 M3057 STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332)

BE0906 M3706 CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756)

CODE BE0907..... BEVATRON, INJECTOR-II, INFLECTOR:

BE0907 M3005 BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)

BE0907 M3010 MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)

BE0907 M3118A ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)

BE0907 M3131 METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)

BE0907 M3132 CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)

BE0907 M3420B INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)

BE0907 M3581 INFLECTOR SURVEY RESULTS JUNE 1965 (BEVATRON, INJECTOR-II. S JOHNSON. 6/18/65, 3P)

CODE BE1130..... BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10\*13 PARTICLES PER PULSE:

BE1130 M3040 SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)

BE1130 M3041 BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)

BE1130 M3073 CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P)

BE1130 M3075 SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)

BE1130 M3076 HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)

BE1130 M3077 SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P)

BE1130 M3460 DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)

BE1130 M3461 DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)

BE1130 M3462 DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)

BE1130 M3504 SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)

BE1130 M3572 TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P)

BE1130 M3573 TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P)

BE1130 M3574 QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P)

BE1130 M3766 DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10\*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P)

CODE BE1201..... BEVATRON, MAGNET CORE:

BE1201 M3286 MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)

BE1201 M3338 DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)

BE1201 M3448 MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)

CODE BE1210.....BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE:

BE1210 M3042 DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)

CODE BE1301.....BEVATRON, MAGNET COIL:

BE1301 M3758 PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P)

CODE BE1305.....BEVATRON, MAGNET COIL, END WINDING SUPPORTS:

BE1305 M3089 MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED 6/25/63, 54P)

CODE BE1401.....BEVATRON, MAGNET POWER-SUPPLY:

BE1401 M3362A MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)

CODE BE1805.....BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS:

BE1805 M3272 DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)

BE1805 M3287 EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)

BE1805 M3372 MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)

CODE CA0100.....184-IN CYCLOTRON, GENERAL:

CA0100 M3165B PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964) (184-INCH CYCLOTRON. L GLASGOW. 10/18/63 R11/1/63 R1/3/64, 11P)

CA0100 M3300 CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)

CA0100 M3313 PROPOSED ACCELERATOR IMPROVEMENTS (PRELIMINARY FY 1965) (184-INCH CYCLOTRON. J VALE, L GLASGOW. 4/21/64, 1P)

CA0100 M3314A ACCELERATOR IMPROVEMENTS, FY-1966, FINAL, (184-INCH CYCLOTRON. L GLASGOW.  
4/20/65, R8/2/65, 5P)

CA0100 M3512 PROPOSED ACCELERATOR IMPROVEMENTS (FY 1967. 184-INCH CYCLOTRON. L GLASGOW.  
3/8/65, 4P)

CA0100 M3722 PROPOSED ACCELERATOR IMPROVEMENTS, FY-1968 (184 CYCLOTRON. L GLASGOW. 3/30/66,  
4P)

CA0100 M3724 MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT.  
L GLASGOW. 4/7/66, 3P)

CODE CA0101.....184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE:

CA0101 M3019 MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)

CA0101 M3032 300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK.  
4/15/63, 2P)

CA0101 M3554 184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN  
COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)

CODE CA0102..... 184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT:

CA0102 M3625 ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184  
CYCLOTRON. L GLASGOW. 11/4/65, 2P)

CODE CA0200.....184-IN CYCLOTRON, IMPROVEMENTS:

CA0200 M3474 KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH  
CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)

CA0200 M3518 EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE  
(184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)

CODE CA0202..... 184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING:

CA0202 M3031A PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON  
ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)

CA0202 M3125 SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)

CA0202 M3126 SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)

CA0202 M3142A PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON - ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)

CA0202 M3146 USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)

CA0202 M3222 PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)

CA0202 M3223 PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)

CA0202 M3353A FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P)

CA0202 M3555 STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)

CA0202 M3556 STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P)

CODE CA0203.....184-IN CYCLOTRON, IMPROVEMENTS, SHIELDING:

CA0203 M3245 STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)

CA0203 M3325 SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)

CA0203 M3709A REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)

CODE CA0206 .....184-IN CYCLOTRON, IMPROVEMENTS, CENTRAL AREA STUDIES:

CA0206 M3477B MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)

CODE CA0303.....184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS:

- CA0303 M3081 CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P)
- CA0303 M3086 FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)

CODE CB0100.....88-IN CYCLOTRON, MECHANICAL:

- CB0100 M3428 BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)

CODE CB0101.....88-IN CYCLOTRON, MECHANICAL, MAGNET:

- CB0101 M3122 A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)

CODE CB0103.....88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS:

- CB0103 M3250 POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPEP. 1/29/64, 2P)
- CB0103 M3399 COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)

CODE CB0112.....88-IN CYCLOTRON, MECHANICAL, DEE:

- CB0112 M3296 DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)
- CB0112 M3303 TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)
- CB0112 M3379 SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)

CODE CB0120.....88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM:

- CB0120 M3255 TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)



CB0120 M3604 POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)

CB0120 M3733 PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P)

CB0120 M3740 CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P)

CB0120 M3744A RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P)

CODE CB0121..... 88-IN CYCLOTRON, MECHANICAL, DEE TANK:

CB0121 M3285 HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)

CB0121 M3359 INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEP. 7/3/64, 2P UCID 2403)

CODE CB0125..... 88-IN CYCLOTRON, MECHANICAL, DEFLECTOR:

CB0125 M3213 WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)

CB0125 M3380A REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)

CB0125 M3565 DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P)

CB0125 M3655 DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P)

CB0125 M3697 COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P)

CODE CB0130..... 88-IN CYCLOTRON, MECHANICAL, ION-SOURCE:

CB0130 M3059 ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)

CODE CB0140..... 88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT:

CB0140 M3610 LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)

CB0140 M3618A LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)

CODE CB0200.....88-IN CYCLOTRON, ACCESSORY EQUIPMENT:

CB0200 M3185 CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)

CB0200 M3311 ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)

CB0200 M3312 ACCELERATOR IMPROVEMENTS, (FOR FY 65, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)

CODE CB0201.....88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS:

CB0201 M3316 CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)

CB0201 M3363 BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)

CB0201 M3370 BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)

CB0201 M3438 BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)

CODE CB0301.....88-IN CYCLOTRON, MISCELLANEOUS, IMPROVEMENTS:

CB0301 M3166C ACCELERATOR IMPROVEMENTS (FOR FY 64, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, J HAUGHIAN, W DEXTER, R BURLEIGH, N GOODHUE. 10/21/63 R11/4/63 R11/15/63 R2/21/64, 8P)

CODE HD0102.....72-IN HYDROGEN BUBBLE-CHAMBER, DEVELOPMENT:

HD0102 M3052 NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)

HD0102 M3054 NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)

HD0102 M3060 NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)

HD0102 M3087 NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)

HD0102 M3410 NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)

HD0102 M3427 NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)

CODE HD0103 ..... 72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET:

HD0103 M3696 IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORNGREN. 2/16/66, 2P)

HD0103 M3751 MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)

CODE HD0201 ..... 82-IN BUBBLE-CHAMBER, CONVERSION FROM 72-INCH:

HD0201 M3666A MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)

CODE HD0202 ..... 82-IN BUBBLE-CHAMBER, ILLUMINATION:

HD0202 M3713 SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 3/21/66, 6P)

HD0202 M3716 IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 3/25/66, 9P)

HD0202 M3717 CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 3/25/66, 2P)

HD0202 M3719 FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR  $n = 1.39$  (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 3/30/66, 3P)

- HD0202 M3720 CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 3/30/66, 9P)
- HD0202 M3742A SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORNGREN, 5/27/66 R 5/31/66)
- HD0202 M3752 COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 5/26/66 3P.)
- HD0202 M3756 COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 5/27/66, 7P.)
- HD0202 M3757 RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORNGREN. 6/7/66, 1P)
- HD0202 M3765 HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 6/21/66, 5P)
- HD0202 M3771 TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORNGREN. 6/27/66, 3P)
- HD0202 M3774 METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORNGREN. 6/30/66, 4P)
- HD0202 M3775 PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORNGREN. 7/1/66, 2P)
- CODE HD0203 ..... 82-INCH BUBBLE-CHAMBER, OPTICS :
- HD0203 M3707 WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORNGREN. 3/11/66, 2P)
- CODE HE0102 ..... 25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET :
- HE0102 M3224 MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)
- HE0102 M3233 MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)

CODE HE0103 ..... 25-INCH HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM:

- HE0103 M3101 DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)
- HE0103 M3168A LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)
- HE0103 M3232 STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)

CODE HE0105 ..... 25-INCH HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS:

- HE0105 M3149 HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORNGREN. 9/25/63, 1P)

CODE HE0106 ..... 25-INCH HYDROGEN BUBBLE-CHAMBER, OPERATION:

- HE0106 M3171 BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P)
- HE0106 M3290 BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)
- HE0106 M3386A HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORNGREN. 8/11/64 R5/6/65, 3P UCID 2347)

CODE HF0101 ..... 80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION:

- HF0101 M3663 CAMERA OBJECT-SPACE DIMENSIONS (80-INCH BNL BUBBLE-CHAMBER, STEREO IMAGE CALIBRATION. D NORNGREN. 1/6/66, 1P UCID 2742)

CODE HF0102 ..... 80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION:

- HF0102 M3669 FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA ECONOMICS OF OPERATION. D NORNGREN. 1/10/66, 2P UCID 2743)

CODE HF0103 ..... 80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY:

HF0103 M3675 TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORGREN. 1/14/66, 5P UCID 2746)

CODE LA0100..... HEAVY-ION ACCELERATOR:

LA0100 M3167B ACCELERATOR IMPROVEMENTS (FOR FY 1964, PROPOSED) (HEAVY ION ACCELERATOR. E HUBBARD, F VOELKER, E HOYER, R BURLEIGH.) 10/21/63 R11/5/63 R1/22/64, 12P)

LA0100 M3262 COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)

CODE LA0101..... HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE:

LA0101 M3067 PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)

LA0101 M3100 PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)

CODE LA0102..... HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS:

LA0102 M3025 BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)

LA0102 M3084 CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)

LA0102 M3140C 20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. 11/17/63 R1/10/66, 5P)

LA0102 M3141 CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)

LA0102 M3189 ONE-HALF INCH WATER FLOWSWITCH (HEAVY-ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P)

LA0102 M3196 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER.) 11/20/63, 6P)

LA0102 M3280 WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)

- LA0102 M3330 BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)
- LA0102 M3424A BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)
- LA0102 M3430 DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P)
- LA0102 M3491 CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)
- LA0102 M3633 DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P)

CODE LA0103 ..... HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS:

- LA0103 M3083 HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)
- LA0103 M3334 FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P)
- LA0103 M3549 TANK LEVEL AND END DEFLECTION MEASUREMENTS ( HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P)

CODE LA0105 ..... HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR:

- LA0105 M3064 36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)
- LA0105 M3065 18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)
- LA0105 M3066 100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)
- LA0105 M3069 4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)

- LA0105 M3070 MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)
- LA0105 M3097 COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)
- LA0105 M3128 STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P)
- LA0105 M3150 100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)
- LA0105 M3328 EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)
- LA0105 M3487 POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)
- LA0105 M3550 DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)
- CODE LA0106..... HEAVY-ION ACCELERATOR, GENERAL, SHIELDING:
- LA0106 M3375 SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)
- LA0106 M3376 SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)
- LA0106 M3378 SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)
- CODE LA0107..... HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING:
- LA0107 M3395 EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)
- LA0107 M3409 PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)
- LA0107 M3415 PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)



- LA0107 M3417 HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)
- LA0107 M3463 COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)
- LA0107 M3466 TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)
- LA0107 M3547 DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P)
- LA0107 M3576 PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P)
- LA0107 M3595 TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. J HAUGHIAN. 7/13/65, 6P)
- LA0107 M3611 PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)
- LA0107 M3632 COMPARISON OF DIELECTRIC COOLANTS (HEAVY ION ACCELERATOR, ACCELERATOR COOLING. J HAUGHIAN. 11/18/65, 11P)
- CODE LA0108 ..... HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES:
- LA0108 M3613 ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)
- LA0108 M3656 PROPOSED INJECTOR TERMINAL IMPROVEMENTS (HEAVY ION ACCELERATOR - ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 12/23/65, 7P)
- LA0108 M3685 COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P)
- LA0108 M3686 FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/8/66, 2P)

CODE MN0201 ..... OMNITRON, SYNCHROTRON, RF-SYSTEM:

MN0201 M3674 RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)

CODE PC0101 ..... PROPANE BUBBLE-CHAMBERS, OPERATION:

PC0101 M3282 HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)

CODE RA0200 ..... INORGANIC MATERIALS RESEARCH:

RA0200 M3274 MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I  
(INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)

RA0200 M3318 MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS  
(INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)

RA0200 M3404 MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)

RA0200 M3558 SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH,  
PHILLIPS. R HINTZ. 5/4/65, 2P)

RA0200 M3629 MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRING. 11/11/65, 3P)

RA0200 M3712 STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758)

CODE RA0201 ..... INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY:

RA0201 M3266 CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRING. 2/19/64, 5P)

CODE RA0202 ..... INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY:

RA0202 M3657 CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P)

- RA0202 M3658 LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P)
- RA0202 M3673 FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P)

CODE RA0203 ..... INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS:

- RA0203 M3147 NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)
- RA0203 M3161 COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)
- RA0203 M3335 DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORNGREN. 7/30/64, 3P UCID 2340)
- RA0203 M3569 PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. 5/24/65, 4P)

CODE RA0204 ..... INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC:

- RA0204 M3099 RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)
- RA0204 M3114 SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)
- RA0204 M3121 INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)

CODE RB0100 ..... BIOLOGY AND MEDICINE RESEARCH:

- RB0100 M3517A LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P)

CODE RB0101 ..... BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS:

RB0101 M3029 WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)

RB0101 M3231 WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)

RB0101 M3413 WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P)

RB0101 M3637 ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P)

RB0101 M3642 RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P)

RB0101 M3725 11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)

CODE RB0104 ..... BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON:

RB0104 M3521 ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P)

CODE RB0108 ..... BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS:

RB0108 M3129 COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P)

RB0108 M3297 184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)

RB0108 M3301 PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)

RB0108 M3307 FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)

RB0108 M3308B PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)

RB0108 M3323 ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P)

CODE RC0100 ..... CHEMISTRY RESEARCH:

RC0100 M3218 FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)

RC0100 M3350A ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)

RC0100 M3660 REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P)

RC0100 M3679 SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P)

RC0100 M3689 CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)

RC0100 M3690 SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)

RC0100 M3703 HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)

RC0100 M3748 HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)

RC0100 M3750 ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.)

CODE RC0101 ..... CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY:

RC0101 M3038 A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)

RC0101 M3063 FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)

RC0101 M3096 MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)

RC0101 M3119 IMPROVED TEMPERATURE-REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)

RC0101 M3203 FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)

CODE RC0102 ..... CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT:

RC0102 M3392 RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)

RC0102 M3411A TEMPERATURE-DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/8/64 R1/25/65, 17P.)

RC0102 M3435 LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)

RC0102 M3458 LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)

RC0102 M3473 SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)

RC0102 M3476 SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)

RC0102 M3479 SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)

RC0102 M3496 COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 2/3/65, 11P UCID 2458)

- RC0102 M3582 CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 6/12/65, 13P)
- CODE RC0103 ..... CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS :
- RC0103 M3007 ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)
- RC0103 M3008 STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)
- RC0103 M3015 GLOW-DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)
- RC0103 M3023 ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)
- RC0103 M3034 DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)
- RC0103 M3039 ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)
- RC0103 M3044 ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)
- RC0103 M3049 MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/9/63, 3P)
- RC0103 M3051A MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/15/63 R7/3/63, 3P)
- RC0103 M3056 FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/20/63, 4P)
- RC0103 M3058 MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/22/63, 1P)
- RC0103 M3090 MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 7/3/63, 6P)

RC0103 M3092 DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P)

RC0103 M3153 ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)

RC0103 M3182 MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 11/8/63, 4P)

RC0103 M3204 CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)

RC0103 M3305 ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183)

RC0103 M3309 STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)

RC0103 M3505 CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)

RC0103 M3586 DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599)

RC0103 M3699 CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P)

RC0103 M3747 TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P)

RC0103 M3749 LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY, CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.)

CODE RC0106 ..... CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS :

RC0106 M3157 ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)



CODE RC0107..... CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON :

RC0107 M3711 MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON.  
G MINER. 3/17/66, 3P)

CODE RC0500..... BIO-ORGANIC CHEMISTRY RESEARCH:

RC0500 M3439 GEMS PS-900 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE  
SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)

CODE RC0501..... BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS:

RC0501 M3152 OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION  
APPARATUS. V KOPYTOFF. 9/27/63, 5P)

CODE RP0101..... PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP:

RP0101 M3429 KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS,  
(RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)

RP0101 M3454 PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH.  
D VORKOEPEP. 12/3/64, 1P)

RP0101 M3456 FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK  
CHAMBER. R PETERS. 11/13/64, 6P)

RP0101 M3493 PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS  
(PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)

RP0101 M3495 PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS  
RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)

CODE RP0102..... PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP:

RP0102 M3014 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE,  
CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)

RP0102 M3053 MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS  
RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)

RP0102 M3567 POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP  
VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD.  
5/20/65, 7P)

- RP0102 M3599 MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P)
- RP0102 M3692 PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)

CODE RP0103 ..... PHYSICS RESEARCH, ALVAREZ GROUP:

- RP0103 M3401 STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORNGREN. 9/2/64, 2P UCID 2351)
- RP0103 M3405 MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)
- RP0103 M3445 MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)
- RP0103 M3593 BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)

CODE RP0104 ..... PHYSICS RESEARCH, CROWE GROUP:

- RP0104 M3443 MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)
- RP0104 M3501 PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)

SECTION III

SUBJECT KEYWORD INDEX

In this section, each document is listed under each significant subject keyword appearing in its title.

A-FRAME	ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
ABSORPTION	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
ACCELERATING	ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P)	AC0200 M3341
ACCELERATING	ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P)	AC0200 M3202
ACCELERATING	COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P)	AC0200 M3727
ACCELERATING-SYSTEM	ADVANCED-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0701
ACCELERATING-SYSTEM	BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II)	CODE BE0503
ACCELERATING-SYSTEM	RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)	AC0304 M3627
ACCELERATION	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
ACCELERATION	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 6/21/66, 5P)	HD0202 M3765
ACCELERATOR	ACCELERATOR IMPROVEMENTS, FY-1966, FINAL, (184-INCH CYCLOTRON. L GLASGOW. 4/20/65, R8/2/65, 5P)	CA0100 M3314A
ACCELERATOR	ACCELERATOR IMPROVEMENTS, (FOR FY 65, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)	CB0200 M3312
ACCELERATOR	ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)	CB0200 M3311
ACCELERATOR	ACCELERATOR IMPROVEMENTS (FOR FY 64, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, J HAUGHIAN, W DEXTER, R BURLEIGH, N GOODHUE. 10/21/63 R11/4/63 R11/15/63 R2/21/64, 8P)	CB0301 M3166C
ACCELERATOR	ACCELERATOR IMPROVEMENTS (FOR FY 1964, PROPOSED) (HEAVY ION ACCELERATOR. E HUBBARD, F VOELKER, E HOYER, R BURLEIGH. 10/21/63 R11/5/63 R1/22/64, 12P)	LA0100 M3167B

ACCELERATOR	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
ACCELERATOR	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
ACCELERATOR	BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P)	AA0102 M3540
ACCELERATOR	HEAVY-ION ACCELERATOR (SEE THIS CODE IN SECTION II)	CODE LA0100
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II)	CODE LA0101
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS (SEE THIS CODE IN SECTION II)	CODE LA0102
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II)	CODE LA0103
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II)	CODE LA0105
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, SHIELDING (SEE THIS CODE IN SECTION II)	CODE LA0106
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II)	CODE LA0107
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II)	CODE LA0107
ACCELERATOR	HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II)	CODE LA0108
ACCELERATOR	PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)	AA0102 M3539
ACCELERATOR	PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964) (184-INCH CYCLOTRON. L GLASGOW. 10/18/63 R11/1/63 R1/3/64, 11P)	CA0100 M3165B
ACCELERATOR	PROPOSED ACCELERATOR IMPROVEMENTS (PRELIMINARY FY 1965) (184-INCH CYCLOTRON. J VALE, L GLASGOW. 4/21/64, 1P)	CA0100 M3313
ACCELERATOR	PROPOSED ACCELERATOR IMPROVEMENTS (FY 1967. 184-INCH CYCLOTRON. L GLASGOW. 3/8/65, 4P)	CA0100 M3512
ACCELERATOR	PROPOSED ACCELERATOR IMPROVEMENTS, FY-1968 (184 CYCLOTRON. L GLASGOW. 3/30/66, 4P)	CA0100 M3722

ACCELERATOR	VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. ) 10/28/63, 3P)	AA0102 M3173
ACCEPTABILITY	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
ACCEPTANCE	ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
ACCESS	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
ACCESS	SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497)	AC0300 M3537
ACCESS	SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)	AC1200 M3514
ACCESSWAY	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II)	CODE AC0410
ACCESSWAYS	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II)	CODE AC0411
ACCESSWAYS	ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)	AC0410 M3560A
ACCIDENT	ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)	AA0300 M3277
ACCOUNTS	DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P)	RC0103 M3092
ACTUATORS	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
ADHESIVE	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518
ADHESIVE	HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)	LA0103 M3083
ADHESIVE	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
ADHESIVES	INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II)	CODE AB0108
ADMINISTRATIVE	ADMINISTRATIVE METHODS AND PROCEDURES (SEE THIS CODE IN SECTION II)	CODE AA0101

ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II)	CODE AC0101
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, LINAC INJECTOR (SEE THIS CODE IN SECTION II)	CODE AC0200
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II)	CODE AC0250
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0220
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, SYNCHROTRON INJECTOR (SEE THIS CODE IN SECTION II)	CODE AC0300
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II)	CODE AC0301
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0302
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0303
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0304
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0305
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II)	CODE AC0402
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II)	CODE AC0404
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II)	CODE AC0405
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II)	CODE AC0406
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0409
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II)	CODE AC0410
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II)	CODE AC0411
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN RING MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0500
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II)	CODE AC0501
ADVANCD-ACCELERATOR	ADVANCD-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0502

ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0503
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0505
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0508
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0701
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, MAIN VACUUM-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0800
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER (SEE THIS CODE IN SECTION II)	CODE AC0801
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC1001
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II)	CODE AC1100
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA (SEE THIS CODE IN SECTION II)	CODE AC1110
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II)	CODE AC1120
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II)	CODE AC1200
ADVANCED-ACCELERATOR	ADVANCED-ACCELERATOR, HANDLING EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AC1300
AGS	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
AGS	VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P)	AA0102 M3631
AIR	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
AIR	DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599)	RC0103 M3586
AIR	MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
AIR	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147



AIR	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
AIR	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
AIR	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
AIR	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
AIR-LOCK	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
ALGEBRA	AN INTRODUCTION TO VECTOR ALGEBRA (R SCHWARZ. 3/22/65 R4/20/65, 17P)	AA0123 M3525A
ALIGNMENT	ADVANCED-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0220
ALIGNMENT	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II)	CODE AC0406
ALIGNMENT	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0508
ALIGNMENT	ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P)	AC0406 M3688
ALIGNMENT	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLES. 6/28/65, 2P)	AA0501 M3600
ALIGNMENT	ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380)	AA0901 M3423
ALIGNMENT	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
ALIGNMENT	CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE RC0102
ALIGNMENT	INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P)	AC0220 M3597

ALIGNMENT	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
ALIGNMENT	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
ALIGNMENT	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
ALIGNMENT	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P)	AC0406 M3607
ALIGNMENT	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)	AC0406 M3603
ALIGNMENT	12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P)	BE0705 M3483
ALIGNMENT	8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P)	BE0705 M3486
ALIGNMENT=SYSTEM	A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT=SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
ALIGNMENT=SYSTEM	A POSSIBLE MAGNET ALIGNMENT=SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018)	AC0508 M3200
ALLOY	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
ALLYL-DIGLYCOL-CARB	ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P)	AA0106 M3741
ALPHA	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
ALPHA	CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II)	CODE RC0106
ALPHA	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
ALTERNATING=GRADIEN	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING=GRADIENT MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0505

ALTERNATING-GRADIEN	ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)	AC0501 M3526
ALTERNATING-GRADIEN	SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)	AC0404 M3522
ALTITUDE	BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)	RP0103 M3593
ALUMINA	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)	RC0103 M3204
ALUMINIZED	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
ALUMINUM	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
ALUMINUM	ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.)	RC0100 M3750
ALUMINUM	BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)	AC0503 M3755
ALUMINUM	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
ALUMINUM	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)	BE0503 M3276A
ALUMINUM	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
ALUMINUM	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
ALVAREZ	PHYSICS RESEARCH, ALVAREZ GROUP (SEE THIS CODE IN SECTION II)	CODE RP0103
AMALGAM	MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)	RP0103 M3445
AMPLIFIER-SYSTEM	BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II)	CODE BE0503

ANACONDA-AMERICAN-B	VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
ANALOG	A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)	AA0123 M3271
ANALOG	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)	AA0123 M3088
ANALOG	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
ANALYSER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
ANALYSIS	ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P)	RB0104 M3521
ANALYSIS	ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P)	AC1200 M3534
ANALYSIS	ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
ANALYSIS	RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)	AC0304 M3627
ANALYSIS	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)	AC1200 M3601
ANALYSIS	STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)	CA0202 M3555
ANALYSIS	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
ANALYSIS-SYSTEM	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363
ANALYSIS-SYSTEM	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
ANALYSIS-SYSTEM	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
ANALYTICAL-ENGINEER	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P)	AA0123 M3488

ANALYTICAL-ENGINEER	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P)	AA0123 M3489
ANIMAL-HOUSE	ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P)	RB0101 M3637
ANNEALING	HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)	SPEC. M370
ANODE	ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)	CB0130 M3059
ANTI-BACKLASH	ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)	AA0501 M3426
APERTURE	GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P)	AC0303 M3646
APERTURE	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
APPARATUS	BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II)	CODE RC0501
APPARATUS	BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II)	CODE RB0108
APPARATUS	MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P)	RC0107 M3711
ARGONNE	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)	AT0102 M3402
ARGONNE	PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)	AA0102 M3539
ARGONNE	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
ARGONNE	VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 1P)	AA0102 M3432
ARGONNE-NATIONAL-LA	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)	AA0102 M3178
ARMOR	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076
ARMS	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186

ARMY	ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORGRÉN. 6/13/66, 2P)	AA0130 M3760
ASME	ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P)	AA0102 M3093
ASME	ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)	AA0102 M3333
ASME	1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE (TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P)	AA0102 M3584
ASSEMBLIES	8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)	BE0705 M3061
ASSEMBLIES	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)	SPEC. M3488
ASSEMBLY	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	LA0102 M3424A
ASSEMBLY	CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)	AB0400 M3120A
ASSEMBLY	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
ASSEMBLY	PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331)	AA0114 M3047
ASSEMBLY	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
ASSEMBLY	SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)	BE1130 M3040
ASSEMBLY	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
ASSEMBLY	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
ATOMICS	ATOMICS INTERNATIONAL (CANOGA PARK, CALIFORNIA TRIP REPORT. P HERNANDEZ. 4/15/65, 2P UCID 2509)	AA0102 M3542
AUTHORS	ENGINEERING-NOTE AUTHORS GUIDE (J TURNER. 7/27/64 R8/20/64 R12/21/66, 3P UCID 2485)	AA0128 M3374B

AVS	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)	AA0102 M3178
AVS	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
BACKSTOP	TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P)	AC0300 M3647
BAKELITE	HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)	RC0100 M3748
BAKING	ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)	RC0103 M3007
BALANCE	STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)	BE0702 M3754
BALL	UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783)	BE0702 M3731
BALLOON	BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)	RP0103 M3593
BARB	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
BARBS	DESIGN FOR HOSE BARBS FOR 1/4-IN-I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
BEAM	A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
BEAM	ADVANCED-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC1001
BEAM	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II)	CODE AC1120
BEAM	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363

BEAM	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
BEAM	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
BEAM	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)	AC1001 M3451
BEAM	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
BEAM	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
BEAM	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336
BEAM	BEVATRON, EXTERNAL PROTON BEAM (SEE THIS CODE IN SECTION II)	CODE BE0801
BEAM	BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II)	CODE BE0802
BEAM	BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II)	CODE BE0803
BEAM	BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0804
BEAM	BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II)	CODE BE0805
BEAM	BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II)	CODE BE0806
BEAM	BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II)	CODE BE1805
BEAM	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P)	AC0300 M3452
BEAM	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)	BE0907 M3132
BEAM	COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P)	AC1001 M3561



BEAM	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
BEAM	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
BEAM	EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P. HERNANDEZ. 9/16/65, 1P)	AA0300 M3609
BEAM	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
BEAM	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P)	AA0114 M3195
BEAM	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P)	BE1305 M3089
BEAM	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)	CA0206 M3477B
BEAM	METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)	BE0907 M3131
BEAM	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
BEAM	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
BEAM	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRING. 11/11/65, 3P)	RA0200 M3629
BEAM	RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)	AC0304 M3627
BEAM	SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P)	AC1120 M3563
BEAM	SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)	AC0404 M3522

BEAM	THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)	AC0404 M3270
BEAM	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360
BEAM	TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P)	AC0300 M3647
BEAM	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
BEAM	30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)	BE0610 M3317
BEAM	88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II)	CODE CB0201
BEAMS	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336
BEAMS	CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P)	AC0404 M3523
BEAMS	CROSS-SECTION PARAMETERS FOR DEEP BEAMS (8-FT TO 15-FT DEEP, ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W SALSIG. 1/24/64, 7P)	AC0404 M3242
BEAMS	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
BEAMS	DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)	AC0404 M3520
BEAMS	GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P)	AC0302 M3680
BEAMS	GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P)	AC0302 M3680
BEAMS	MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P)	AC0302 M3578

BEAMS	NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)	AC0404 M3283
BEAMS	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
BEAMS	STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)	CA0202 M3555
BEAMS	STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P)	CA0202 M3556
BEAMS	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
BEARING	BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)	BE0802 M3082
BEARING	BEARING TESTS FOR APPLICATION IN VACUUM OF $1 \times 10^{-6}$ TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)	BE0702 M3732
BEARING	DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)	HE0103 M3101
BEARING	MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
BEARING	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)	BE0706 M3080
BELL	CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)	AB0403 M3033
BELLOWS	DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)	LA0105 M3550
BELLOWS	PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
BELLOWS	82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P)	SPEC M389
BELTS	TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORRGREN. 1/14/66, 5P UCID 2746)	HF0103 M3675
BENCH	OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)	RC0501 M3152

BENDING	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
BENDING	COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON. M GREEN. 7/1/65, 38P)	AC0301 M3591
BENDING	PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P)	SPEC. M367A
BERYLCO-25	STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758)	RA0200 M3712
BETA	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64. R1/7/65, 6P)	LA0102 M3424A
BETA	CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II)	CODE RC0101
BEVATRON	BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II)	CODE BE0503
BEVATRON	BEVATRON, BUILDING, UTILITIES (SEE THIS CODE IN SECTION II)	CODE BE0104
BEVATRON	BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II)	CODE BE0701
BEVATRON	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
BEVATRON	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II)	CODE BE0705
BEVATRON	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II)	CODE BE0706
BEVATRON	BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0708
BEVATRON	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
BEVATRON	BEVATRON, EXTERNAL PROTON BEAM (SEE THIS CODE IN SECTION II)	CODE BE0801
BEVATRON	BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II)	CODE BE0802
BEVATRON	BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II)	CODE BE0803
BEVATRON	BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0804

BEVATRON	BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II)	CODE BE0805
BEVATRON	BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II)	CODE BE0806
BEVATRON	BEVATRON, INJECTOR-II, ION-SOURCE (SEE THIS CODE IN SECTION II)	CODE BE0902
BEVATRON	BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II)	CODE BE0904
BEVATRON	BEVATRON, INJECTOR-II, ION-GUN (SEE THIS CODE IN SECTION II)	CODE BE0903
BEVATRON	BEVATRON, INJECTOR-II, LINAC (SEE THIS CODE IN SECTION II)	CODE BE0905
BEVATRON	BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II)	CODE BE0906
BEVATRON	BEVATRON, INJECTOR-II, INFLECTOR (SEE THIS CODE IN SECTION II)	CODE BE0907
BEVATRON	BEVATRON, MAGNET CORE (SEE THIS CODE IN SECTION II)	CODE BE1201
BEVATRON	BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II)	CODE BE1210
BEVATRON	BEVATRON, MAGNET COIL (SEE THIS CODE IN SECTION II)	CODE BE1301
BEVATRON	BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II)	CODE BE1305
BEVATRON	BEVATRON, MAGNET POWER-SUPPLY (SEE THIS CODE IN SECTION II)	CODE BE1401
BEVATRON	BEVATRON, MISCELLANEOUS (SEE THIS CODE IN SECTION II)	CODE BE0601
BEVATRON	BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II)	CODE BE0610
BEVATRON	BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II)	CODE BE1130
BEVATRON	BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II)	CODE BE1805
BEVATRON	CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P)	AA0300 M3701
BEVATRON	DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P)	BE0601 M3046A
BEVATRON	EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P)	AA0300 M3609
BEVATRON	INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P)	BE0905 M3215
BEVATRON	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467

BIAS	RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P)	AC0304 M3718
BIBLIOGRAPHY	BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P)	AA0300 M3628
BIMETALLIC	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
BIO-ORGANIC	BIO-ORGANIC CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II)	CODE RC0500
BIO-ORGANIC	BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II)	CODE RC0501
BIOLOGY	BIOLOGY AND MEDICINE RESEARCH (SEE THIS CODE IN SECTION II)	CODE RB0100
BIOLOGY	BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II)	CODE RB0101
BIOLOGY	BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II)	CODE RB0104
BIOLOGY	BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II)	CODE RB0108
BLOCK	ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511
BLOCK	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
BLOCK	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
BLOCK	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. D CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
BLOCK	CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (D CALLAHAN. 11/15/57, 22P. UCID 4)	AA0116 M3743
BLOCK	CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P)	BE1130 M3073
BLOCK	DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P)	BE1130 M3766
BLOCK	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)	BE1130 M3461

BLOCK	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)	BE1130 M3462
BLOCK	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518
BLOCK	MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)	CA0101 M3019
BLOCK	QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P)	BE1130 M3574
BLOCK	SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)	AA0116 M3753
BLOCK	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P)	BE1130 M3573
BLOCK	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P)	BE1130 M3572
BLOCK	300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)	CA0101 M3032
BLOCK-HOUSE	HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P)	AA0300 M3622
BLOCKS	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)	BE1130 M3460
BLOCKS	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C
BLOCKS	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
BLOCKS	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
BLOCKS	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125

BLOCKS	SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)	CA0203 M3325
BLOCKS	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
BNL	80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II)	CODE HF0101
BNL	80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II)	CODE HF0102
BNL	80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II)	CODE HF0103
BOARD	25-LINES-PER-INCH PRINTED-CIRCUIT BOARD (A WATANABE. R FULTON. 10/8/65, 1P)	SPEC M388
BODY	BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)	RP0103 M3593
BODY	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER-CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
BODY	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
BODY	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054
BODY	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
BODY	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
BODY	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
BODY	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
BODY	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
BODY	VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63, R1/27/64, 5P)	SPEC. M350B



BODY	82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P)	SPEC M391A
BOLTS	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
BOLTS	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
BOLTS	STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P)	AA0109 M3566
BOOK	PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)	AA0123 M3343
BOOSTER	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P)	AC0300 M3452
BOOSTER	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
BOOSTER	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
BORE	12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P)	SPEC M378
BORON-NITRIDE	THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P)	AA0107 M3691
BOX	ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P)	AC0406 M3688
BOX-SECTION	CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P)	AC0404 M3523
BRACE	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
BRACKET	ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 9/11/64, 4P UCID 2380)	AA0901 M3423

BRAZE	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
BRAZING	WELDING, BRAZING, SOLDERING (SEE THIS CODE IN SECTION II)	CODE AA0121
BRAZING	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
BREAKDOWNS	ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511
BRIDGE	POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
BROOKHAVEN	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
BROOKHAVEN	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)	AA0102 M3178
BROOKHAVEN	BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P)	AA0102 M3540
BROOKHAVEN	BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P)	AC0300 M3344
BROOKHAVEN	PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)	AA0102 M3539
BROOKHAVEN	VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P)	AA0102 M3072
BROOKHAVEN	VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P)	AA0102 M3631
BROOKHAVEN-NATIONAL	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
BRUTUS	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)	LA0102 M3025
BUBBLE-CHAMBER	BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P)	AA0300 M3209

BUBBLE-CHAMBER	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)	HE0106 M3290
BUBBLE-CHAMBER	BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P)	HE0106 M3171
BUBBLE-CHAMBER	CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P)	AA0300 M3701
BUBBLE-CHAMBER	HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P)	AA0300 M3622
BUBBLE-CHAMBER	LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)	HE0103 M3168A
BUBBLE-CHAMBER	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
BUBBLE-CHAMBER	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
BUBBLE-CHAMBER	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
BUBBLE-CHAMBER	25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II)	CODE HE0102
BUBBLE-CHAMBER	25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II)	CODE HE0103

BUBBLE-CHAMBER	25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II)	CODE HE0105
BUBBLE-CHAMBER	25-IN HYDROGEN BUBBLE-CHAMBER, OPERATION (SEE THIS CODE IN SECTION II)	CODE HE0106
BUBBLE-CHAMBER	72-IN HYDROGEN BUBBLE-CHAMBER, DEVELOPMENT (SEE THIS CODE IN SECTION II)	CODE HD0102
BUBBLE-CHAMBER	72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II)	CODE HD0103
BUBBLE-CHAMBER	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)	RP0102 M3014
BUBBLE-CHAMBER	80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II)	CODE HF0101
BUBBLE-CHAMBER	80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II)	CODE HF0102
BUBBLE-CHAMBER	80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II)	CODE HF0103
BUBBLE-CHAMBER	82-IN BUBBLE-CHAMBER, CONVERSION FROM 72-INCH (SEE THIS CODE IN SECTION II)	CODE HD0201
BUBBLE-CHAMBER	82-IN BUBBLE-CHAMBER, ILLUMINATION (SEE THIS CODE IN SECTION II)	CODE HD0202
BUBBLE-CHAMBER	82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P)	SPEC M391A
BUBBLE-CHAMBER	82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P)	SPEC M389
BUBBLE-CHAMBER	82-INCH BUBBLE-CHAMBER, OPTICS (SEE THIS CODE IN SECTION II)	CODE HD0203
BUBBLE-CHAMBERS	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORNGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335
BUBBLE-CHAMBERS	PROPANE BUBBLE-CHAMBERS, OPERATION (SEE THIS CODE IN SECTION II)	CODE PC0101
BUDGET	ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)	CB0200 M3311
BUILDING	BEVATRON, BUILDING, UTILITIES (SEE THIS CODE IN SECTION II)	CODE BE0104
BUILDING	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279

BUILDING	CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P)	AA0300 M3701
BUILDING	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/22/63, 1P)	RC0103 M3058
BUILDING	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
BUILDING	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
BUILDING-171	CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)	AB0400 M3120A
BUILDING-25	PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRING. 2/28/66, 2P)	AA0300 M3704
BUILDING-62	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P)	AA0300 M3620
BUILDING-62	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P)	AA0300 M3671
BUILDING-62	VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 8/16/65, 7P)	AA0300 M3606
BUILDING-62	VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 1P)	AA0300 M3621
BUILDING-70	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/22/63, 1P)	RC0103 M3058
BUILDING-70	MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 7/3/63, 6P)	RC0103 M3090
BUILDING-70	MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 11/8/63, 4P)	RC0103 M3182
BUILDING-74	SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRING. 12/1/65, 1P UCID 2712)	AA0300 M3639

BUILDINGS	INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P)	AC0300 M3714A
BUILDINGS	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
BUNCHER	CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)	LA0102 M3084
BUNCHER	DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P)	LA0102 M3633
BUNCHER	PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P)	BE0904 M3074
BUNDLE	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
BUOYANT	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
BURST	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
BURSTING	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)	BE0503 M3276A
BUS-BAR-SYSTEM	MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)	AC0500 M3468
BUSES	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
BUTYL	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M18B
BUTYL	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
BUYER	RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)	AA0101 M3499
C-TYPE	GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)	SPEC. M374

CABLE	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
CABLES	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)	BE0907 M3010
CAL-COMP	FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
CAL-COMP	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
CALCULATE	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
CALCULATING	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
CALCULATING	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
CALCULATION	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)	AC0505 M3261
CALCULATION	CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P)	CB0120 M3740
CALCULATIONS	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
CALCULATIONS	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
CALCULATIONS	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)	AA0114 M3416
CALCULATIONS	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. D CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
CALCULATIONS	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. D CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030

CALCULATIONS	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)	BE0907 M3132
CALCULATIONS	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
CALCULATIONS	CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)	LA0102 M3084
CALCULATIONS	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
CALCULATIONS	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
CALCULATIONS	EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P)	BE0701 M3729
CALCULATIONS	FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)	RC0100 M3218
CALCULATIONS	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)	RA0204 M3121
CALCULATIONS	LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P)	BE0801 M3598
CALCULATIONS	M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)	BE0804 M3094
CALCULATIONS	M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)	BE0804 M3490
CALCULATIONS	M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)	BE0804 M3177A
CALCULATIONS	M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)	BE0804 M3176A
CALCULATIONS	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
CALCULATIONS	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
CALCULATIONS	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054



CALCULATIONS	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
CALCULATIONS	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
CALCULATIONS	POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
CALCULATIONS	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
CALCULATIONS	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
CALCULATIONS	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
CALCULATIONS	12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744)	BE0705 M3667A
CALCULATIONS	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
CALIBRATION	CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
CALIBRATION	CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)	BE0905 M3006
CALIBRATION	GEMS PS-900 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)	RC0500 M3439
CALIBRATION	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
CALIBRATION	THEORY, CALIBRATION, AND OPERATION OF A MCLEDD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)	AA0112 M3364A
CALIBRATION	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
CALIBRATION	80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II)	CODE HF0101
CAMBRIDGE	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698

CAMBRIDGE	BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P)	AC0300 M3344
CAMERA	ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P)	RB0101 M3637
CAMERA	CAMERA OBJECT-SPACE DIMENSIONS (80-INCH BNL BUBBLE-CHAMBER, STEREO IMAGE CALIBRATION. D NORGREN. 1/6/66, 1P UCID 2742)	HF0101 M3663
CAMERA	IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P)	HD0103 M3696
CAMERA	MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P)	SPEC M383
CAMERA	PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORGREN. 10/12/64, 5P)	SPEC. M372
CAMERA	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
CAMERA	11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)	RB0101 M3725
CAMERA	25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II)	CODE HE0105
CAMERA	80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II)	CODE HF0101
CAMERA	80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II)	CODE HF0102
CAMERA	80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II)	CODE HF0103
CAP	ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)	AA0300 M3277
CAP	LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520)	AC0404 M3557
CAP	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
CAPACITIVE	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365

CAPITAL	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P. HERNANDEZ. 9/64, 30P)	AC0300 M3452
CAPSULE	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
CARBON	A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)	AA0503 M3106
CARBON-DIOXIDE	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728
CARRIAGE	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751
CART	STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)	RC0103 M3008
CARTER-PRINCETON	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
CASCADE	CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)	RC0103 M3505
CASCADE	CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P)	RC0103 M3699
CASCADE	CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II)	CODE RC0103
CASTERS	STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)	RC0103 M3008
CASTING	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
CASTING	STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P)	SPEC M395

CASTING	82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P)	SPEC M391A
CATHODE	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
CATHODES	GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P)	SPEC. M363
CATHODES	VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M3518
CAVE	BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II)	CODE RB0104
CAVE	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
CAVE	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
CAVE	MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P)	CA0100 M3724
CAVE	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
CAVE	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
CAVE	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
CAVE	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
CAVE	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125
CAVE	184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II)	CODE CA0202
CAVES	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
CAVITIES	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381

CAVITIES	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
CAVITY	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365
CAVITY	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
CELL	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
CEMENTS	HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P)	BE0905 M3002
CENCO-HYVAC-28	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
CENTERING	THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)	AC0404 M3270
CERAMIC	CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756)	BE0906 M3706
CERAMIC	EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 7P)	AC0305 M3527
CERAMIC	INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II)	CODE RA0204
CERAMIC	OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P)	AC0305 M3773
CERAMIC	PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0107
CERAMIC	STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 5P)	AC0305 M3529
CERAMIC-TO-METAL	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503

CERAMICS	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
CERENKOV	A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)	AA0500 M3425
CERENKOV	CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P)	BE0701 M3726A
CERENKOV	CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)	BE0701 M3702
CERENKOV	FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P)	SPEC M385
CERENKOV	MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P)	BE0701 M3734
CERENKOV	OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
CERENKOV	OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
CERENKOV	1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)	BE0709 M3594
CERENKOV	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728
CERENKOV	1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)	AA0300 M3759
CERENKOV	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)	BE0709 M3356
CERENKOV	160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)	BE0709 M3694

CERENKOV	290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)	BE0709 M3670
CERENKOV	290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)	BE0709 M3693
CERENKOV	485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)	BE0709 M3592
CERN	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
CHA-INDUSTRIES	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
CHAMBER	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
CHAMBER	25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II)	CODE HE0103
CHANNEL	BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II)	CODE BE0803
CHANNEL	MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P)	CA0100 M3724
CHART	BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)	AC0503 M3755
CHASSIS	TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/17/63, R1/28/64, 1P)	SPEC. M349B
CHECKLIST	CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P)	BE0701 M3726A
CHECKLIST	COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)	BE0905 M3108
CHECKLIST	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
CHECKLIST	HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221

CHECKLIST	OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
CHECKLIST	OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
CHECKLIST	OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469
CHECKLIST	1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)	BE0709 M3594
CHECKLIST	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728
CHECKLIST	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)	BE0709 M3356
CHECKLIST	160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)	BE0709 M3694
CHECKLIST	2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
CHECKLIST	290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)	BE0709 M3670
CHECKLIST	290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)	BE0709 M3693
CHECKLIST	485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)	BE0709 M3592



CHEMISTRY	BIO-ORGANIC CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II)	CODE RC0500
CHEMISTRY	BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II)	CODE RC0501
CHEMISTRY	CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II)	CODE RC0100
CHEMISTRY	CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II)	CODE RC0101
CHEMISTRY	CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE RC0102
CHEMISTRY	CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II)	CODE RC0103
CHEMISTRY	CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II)	CODE RC0106
CHEMISTRY	CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II)	CODE RC0107
CHEMISTRY	CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II)	CODE RC0107
CHEMISTRY	INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0201
CHEMISTRY	INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0202
CHILLER	FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)	RC0101 M3203
CIRCUITS	DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 2P UCID 2073)	AA0123 M3234
CIRCUITS	FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
CLAMPS	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
CLEANING	GLOW-DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)	RC0103 M3015
CLEANING	HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORRGREN. 9/25/63, 1P)	HE0105 M3149
CLEANING	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A

CLIPPER	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)	BE0702 M3036
CLIPPER	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)	CA0206 M3477B
CLIPPERS	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
COAT-HANGER	COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 5/26/66 3P.)	HD0202 M3752
COAT-HANGER	COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 5/27/66, 7P.)	HD0202 M3756
COAT-HANGER	CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 3/25/66, 2P)	HD0202 M3717
COAT-HANGER	CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 3/30/66, 9P)	HD0202 M3720
COAT-HANGER	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 6/21/66, 5P)	HD0202 M3765
COAT-HANGER	METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORNGREN. 6/30/66, 4P)	HD0202 M3774
COAT-HANGER	PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORNGREN. 7/1/66, 2P)	HD0202 M3775
COAT-HANGER	RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORNGREN. 6/7/66, 1P)	HD0202 M3757
COAT-HANGER	SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 5/27/66 R 5/31/66)	HD0202 M3742A
COAT-HANGER	SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 3/21/66, 6P)	HD0202 M3713
COAT-HANGER	TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORNGREN. 6/27/66, 3P)	HD0202 M3771

COATING	A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P)	AA0500 M3425
COATING	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
COATING	DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)	LA0105 M3550
COATING	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
COAXIAL	COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)	AC0701 M3654
CODE	DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P)	BE0601 M3046A
CODES	ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P)	AA0128 M3228B
COIL	ADVANCED-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0503
COIL	ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)	BE0907 M3118A
COIL	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	LA0102 M3424A
COIL	BEVATRON, MAGNET COIL (SEE THIS CODE IN SECTION II)	CODE BE1301
COIL	BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II)	CODE BE1305
COIL	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
COIL	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)	LA0102 M3491
COIL	DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
COIL	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P)	BE0702 M3123A

COIL	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON, K STONE, D VANECEK, 9/13/63, 3P)	BE0702 M3136
COIL	M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS, A LAKE, 12/11/62, R2/11/63, 5/29/63, 4P)	SPEC. M345B
COIL	M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS, A LAKE, 12/10/63, R1/7/64, 3P)	SPEC. M362A
COIL	MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING, R KILPATRICK, 12/15/64, 2P)	AC0500 M3468
COIL	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III, A GLICKSMAN, 3/19/56 ISSUED 6/25/63, 54P)	BE1305 M3089
COIL	MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA, J DORWARD, 7/23/65, 2P)	RP0102 M3599
COIL	MAGNET COIL IMPULSE TESTING (V ROMANO, 11/11/63, 4P)	AA0114 M3191
COIL	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER, V KOPYTOFF, 1/6/64, 6P)	HE0102 M3224
COIL	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH, 8/7/63, 10P)	AA0114 M3113
COIL	PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL, V FLETCHER, 6/10/66, 5P)	BE1301 M3758
COIL	Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS, A LAKE, 1/24/63, R4/18/63, 4P)	SPEC. M344A
COIL	RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION, D MORRIS, 12/6/65, 3P)	BE0802 M3640
COIL	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR, R HINTZ, 1/4/65, 8P UCID 2443)	RC0102 M3473
COIL	SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR, R HINTZ, 1/11/65, 20P UCID 2446)	RC0102 M3479
COIL	TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING, R KILPATRICK, 12/18/63, 4P)	AC0505 M3211
COIL	TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM, A LAKE, 5/27/65, 1P)	SPEC M379

COIL	UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P)	SPEC. M371
COIL	12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P)	SPEC M390A
COIL	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
COIL	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)	SPEC. M348B
COIL-IN-GAP	FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)	AA0114 M3026
COILING	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
COILS	BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)	AC0503 M3755
COILS	GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)	AA0114 M3382B
COILS	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
COILS	MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)	AC0505 M3155
COILS	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
COILS	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
COILS	MAGNETS, SOLENOIDS, COILS (SEE THIS CODE IN SECTION II)	CODE AA0114
COILS	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)	BE0906 M3022
COILS	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
COILS	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A

COILS	184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)	CA0101 M3554
COILS	88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II)	CODE CB0103
COLD-CATHODE	CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
COLLET-TYPE	STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)	BE0702 M3754
COLLIMATOR	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
COMMUNICATIONS	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
COMMUNICATIONS	INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P)	AA0102 M3644
COMMUNICATIONS	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
COMPUTATIONS	LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520)	AC0404 M3557
COMPUTER	A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)	AA0123 M3271
COMPUTER	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
COMPUTER	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
COMPUTER	CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)	AA0123 M3347
COMPUTER	MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	BE1201 M3286
COMPUTER	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448

COMPUTER	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)	AA0123 M3088
COMPUTER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
COMPUTER	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
COMPUTERS	MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. (SEE THIS CODE IN SECTION II)	CODE AA0123
CONCRETE	ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511
CONCRETE	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
CONCRETE	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
CONCRETE	CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4)	AA0116 M3743
CONCRETE	CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P)	BE1130 M3073
CONCRETE	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C
CONCRETE	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
CONCRETE	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
CONCRETE	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
CONCRETE	SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)	AA0116 M3753
CONCRETE	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360

CONCRETE	300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)	CA0101 M3032
CONDENSER	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
CONDENSER	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
CONDUCTANCES	CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P)	CB0120 M3740
CONDUCTION	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
CONDUCTION	ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)	RC0103 M3044
CONDUCTIVITY	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
CONDUCTIVITY	THERMAL CONDUCTIVITY OF SAPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P)	AA0107 M3738A
CONDUCTIVITY	THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P)	AA0107 M3691
CONDUCTOR	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
CONDUCTOR	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
CONDUCTOR	MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)	AC0505 M3155
CONDUCTOR	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
CONDUCTOR	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
CONDUCTOR	TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)	AA0123 M3130
CONDUCTOR	VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079



CONDUCTORS	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
CONDUIT	ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P)	AC0406 M3688
CONDUITS	MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334)	AA0112 M3148
CONFERENCE	ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P)	AA0102 M3093
CONFERENCE	ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)	AA0102 M3333
CONFERENCE	BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P)	AA0102 M3540
CONFERENCE	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
CONFERENCE	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
CONFERENCE	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
CONFERENCE	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
CONFERENCE	NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)	AA0102 M3768
CONFERENCE	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64 4P)	AA0102 M3446
CONFERENCE	PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)	AA0102 M3539
CONFERENCE	REPORTS, TRIP, MEETING, CONFERENCE (SEE THIS CODE IN SECTION II)	CODE AA0102
CONFERENCE	TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)	AA0102 M3260

CONFERENCE	1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE ( TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P)	AA0102 M3584
CONFERENCE	1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P)	AA0102 M3588
CONFERENCE	21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P)	AA0102 M3538
CONFORMAL	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)	AC0505 M3261
CONFORMAL	CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)	AC0505 M3254
CONFORMAL	FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P)	AA0114 M3570
CONFORMAL	NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P)	SPEC. M365
CONFORMAL	PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)	AC0500 M3181
CONGRESS	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
CONGRESS	INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P)	AA0102 M3644
CONSTRUCTION	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
CONSTRUCTION	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P)	AA0114 M3387
CONSTRUCTION	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
CONSTRUCTION	DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P)	RC0103 M3092
CONSTRUCTION	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376
CONSTRUCTION	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378

CONSTRUCTION	TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II)	CODE AT0102
CONTACT	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169
CONTACTS	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
CONTAINER	STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758)	RA0200 M3712
CONTRACT	INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P)	AC0500 M3746
CONTRACT	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
CONTRACTION	RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGRN. 6/7/66, 1P)	HD0202 M3757
CONTROL	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
CONTROL	DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)	AC0404 M3520
CONTROL	OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P)	AC1120 M3652
CONTROL-SYSTEM	LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)	AB0102 M3050
CONTROL-SYSTEM	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
CONTROLLED-TEMPERAT	CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)	BE0905 M3006
CONTROLS	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
CONTROLS	1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P)	AA0102 M3588

CONVEYOR	CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)	AB0400 M3120A
COOLANTS	COMPARISON OF DIELECTRIC COOLANTS (HEAVY ION ACCELERATOR, ACCELERATOR COOLING. J HAUGHIAN. 11/18/65, 11P)	LA0107 M3632
COOLDOWN	CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P)	RA0202 M3657
COOLING	AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)	BE0705 M3208
COOLING	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)	BE0503 M3276A
COOLING	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
COOLING	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
COOLING	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
COOLING	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
COOLING	CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)	LA0102 M3084
COOLING	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
COOLING	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
COOLING	DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)	LA0105 M3550
COOLING	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
COOLING	EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)	LA0107 M3395
COOLING	FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
COOLING	HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)	LA0107 M3417

COOLING	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORNGREN. 8/11/64 R5/6/65, 3P UCID 2347)	HE0106 M3386A
COOLING	HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II)	CODE LA0107
COOLING	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)	CB0140 M3610
COOLING	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)	CB0140 M3618A
COOLING	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
COOLING	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
COOLING	POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPER. 1/29/64, 2P)	CB0103 M3250
COOLING	PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P)	LA0107 M3576
COOLING	PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
COOLING	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
COOLING	QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)	BE0705 M3480
COOLING	TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P)	AC1120 M3564
COOLING	TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
COOLING	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303
COOLING	USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P)	AA0114 M3543
COOLING	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069

COOLING=SYSTEM	COOLING=SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)	BE0905 M3108
COOLING=SYSTEM	RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING=SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)	MN0201 M3674
COOLING=SYSTEM	TANK WALL COOLING=SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P)	LA0107 M3595
COORDINATE	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A
COPPER	BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)	AC0503 M3755
COPPER	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
COPPER	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366
COPPER	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
COPPER	WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
COPPER-CLAD	SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
CORE	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0502
CORE	ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)	AC0501 M3526
CORE	BEVATRON, MAGNET CORE (SEE THIS CODE IN SECTION II)	CODE BE1201
CORE	BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II)	CODE BE1210
CORE	GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P)	AC0303 M3649

CORE	MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P)	SPEC M398
CORE	MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)	AC0502 M3650
CORE	TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P)	AC0303 M3676
CORES	REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	AC0505 M3326
CORNELL	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
CORROSION-RATE	DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR-II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
COST	ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. ISAH. F BIERLEIN. 5/4/64, 3P)	RB0108 M3323
COST	ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)	LA0108 M3613
COST	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
COST	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
COST	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64, 8P)	CB0201 M3438
COST	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64, 6P)	AC1001 M3451
COST	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64, 30P)	AC0300 M3452
COST	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475

COST	BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)	AC0503 M3755
COST	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)	LA0102 M3025
COST	CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)	CA0100 M3300
COST	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
COST	COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)	AC0701 M3654
COST	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
COST	COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P)	RB0108 M3129
COST	COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P)	AC1300 M3562A
COST	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
COST	COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)	AC0402 M3551A
COST	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
COST	COST ESTIMATE NUMBER 3 (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREAS. R MEUSER. 3/16/65, 15P)	AC1120 M3516
COST	COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738)	AC1300 M3659



COST	COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P)	AC1001 M3561
COST	COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P)	AC0200 M3727
COST	COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P)	LA0108 M3685
COST	COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)	AC0200 M3506
COST	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
COST	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
COST	COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)	AC0405 M3553B
COST	COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)	LA0100 M3262
COST	COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P)	CB0125 M3697
COST	COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)	AB0103 M3018
COST	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)	AA0103 M3492
COST	CRYDSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3689
COST	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
COST	ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)	AC0410 M3560A
COST	ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P)	AC0302 M3668

COST	EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
COST	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
COST	FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P)	RA0202 M3673
COST	FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA ECONOMICS OF OPERATION. D NORNGREN. 1/10/66, 2P UCID 2743)	HF0102 M3669
COST	FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/8/66, 2P)	LA0108 M3686
COST	FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)	RB0108 M3307
COST	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)	AC0409 M3226
COST	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
COST	LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P)	RB0100 M3517A
COST	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
COST	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/22/63, 1P)	RC0103 M3058
COST	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
COST	MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)	AC0405 M3546

COST	MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)	AC0800 M3241B
COST	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
COST	MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P)	AC0800 M3559A
COST	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
COST	MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P)	CA0100 M3724
COST	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
COST	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
COST	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRING. 11/11/65, 3P)	RA0200 M3629
COST	MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P)	RC0107 M3711
COST	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
COST	PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 12/21/64, 17P)	AC0300 M3471
COST	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301
COST	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
COST	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
COST	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222

COST	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
COST	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
COST	PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)	AC0500 M3248
COST	REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)	CB0125 M3380A
COST	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
COST	RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P)	AC0304 M3718
COST	RING-MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)	AC0500 M3238
COST	SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P)	RC0100 M3679
COST	SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3690
COST	SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740)	AC1300 M3662
COST	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
COST	SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)	LA0106 M3375
COST	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376
COST	SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)	CB0112 M3379
COST	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767

COST	SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P)	RA0200 M3558
COST	SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)	AC0404 M3522
COST	THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)	AC1120 M3648
COST	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
COST	11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)	RB0101 M3725
COST	18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)	BE0705 M3275
COST	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
COST	36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
COST	8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438)	BE0706 M3349
COST-ANALYSIS	COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON. M GREEN. 7/1/65, 38P)	AC0301 M3591
COST-VS-WEIGHT	MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P)	AA0114 M3524
COSTS	ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P)	AC0200 M3341
COSTS	ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511

COSTS	BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)	CB0100 M3428
COSTS	COSTS, TIME-STUDIES, ESTIMATING (SEE THIS CODE IN SECTION II)	CODE AA0103
COSTS	GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)	AA0114 M3382B
COSTS	INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P)	AC0500 M3746
COSTS	LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P)	BE0801 M3684
COSTS	LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341)	AA0114 M3383A
COSTS	RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P)	CB0120 M3744A
COSTS	TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P)	AC1120 M3664
COSTS	TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P)	AC1300 M3575
COSTS	300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)	CA0101 M3032
COUNTER	CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P)	BE0701 M3726A
COUNTER	CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)	BE0701 M3702
COUNTER	FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P)	SPEC M385
COUNTER	MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P)	BE0701 M3734
COUNTER	OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004

COUNTER	OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
COUNTER	1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)	BE0709 M3594
COUNTER	1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)	AA0300 M3759
COUNTER	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)	BE0709 M3356
COUNTER	160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)	BE0709 M3694
COUNTER	2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
COUNTER	290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)	BE0709 M3670
COUNTER	290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)	BE0709 M3693
COUNTER	485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)	BE0709 M3592
COUNTERS	A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)	AA0500 M3425
COUNTERS	OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469
COUNTERS	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728

COUPLING	STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)	BE0702 M3754
COUPLING	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
CO2	1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)	BE0709 M3594
CR-39	ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P)	AA0106 M3741
CR-39	CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P)	HD0202 M3717
CR-39	CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P)	HD0202 M3720
CR-39	HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P)	AA0106 M3764
CR-39	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P)	HD0202 M3765
CR-39	RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P)	HD0202 M3757
CR-39	SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P)	HD0202 M3713
CRADLE	12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P)	BE0705 M3700
CRANE	CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P)	AA0300 M3701
CRANE	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
CRANE	EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)	BE0610 M3062
CRANE	EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P)	BE0701 M3729



CRANE	OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P)	AC1120 M3652
CRANE	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
CRANE	THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)	AC1120 M3648
CRANE	TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P)	AC1300 M3575
CRANES	BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II)	CODE BE0610
CRANES	OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P)	AC1120 M3652
CRANES	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
CRAZING	PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P)	HD0202 M3775
CREEP	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
CROSSOVER	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
CROWE	PHYSICS RESEARCH, CROWE GROUP (SEE THIS CODE IN SECTION II)	CODE RP0104
CRYOGENIC	ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.)	RC0100 M3750

CRYOGENIC	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
CRYOGENIC	CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P)	RA0202 M3657
CRYOGENIC	CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 6/12/65, 13P)	RC0102 M3582
CRYOGENIC	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
CRYOGENIC	FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P)	RA0202 M3673
CRYOSORPTION	CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3689
CRYOSTAT	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
CRYOSTAT	SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P)	RC0100 M3679
CRYOSTAT	SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3690
CUBIC-EQUATION	WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)	AA0123 M3009
CUP	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
CUPID	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)	LA0102 M3491
CURRENT	CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)	AA0123 M3347
CURRENT	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
CURRENT-AWARENESS	TECHNICAL INFORMATION-SYSTEM AND CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P)	AA0102 M3253

CURRENT=CARRYING	CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRING. 2/19/64, 5P)	RA0201 M3266
CURRENT=DENSITY	CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)	AC0505 M3254
CVC	CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
CYCLOTRON	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
CYCLOTRON	BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II)	CODE RB0104
CYCLOTRON	COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P)	CB0125 M3697
CYCLOTRON	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
CYCLOTRON	184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS (SEE THIS CODE IN SECTION II)	CODE CA0303
CYCLOTRON	184-IN CYCLOTRON, GENERAL (SEE THIS CODE IN SECTION II)	CODE CA0100
CYCLOTRON	184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II)	CODE CA0101
CYCLOTRON	184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE CA0102
CYCLOTRON	184-IN CYCLOTRON, IMPROVEMENTS (SEE THIS CODE IN SECTION II)	CODE CA0200
CYCLOTRON	184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II)	CODE CA0202
CYCLOTRON	184-IN CYCLOTRON, IMPROVEMENTS, SHIELDING (SEE THIS CODE IN SECTION II)	CODE CA0203
CYCLOTRON	184-IN CYCLOTRON, IMPROVEMENTS, CENTRAL AREA STUDIES (SEE THIS CODE IN SECTION II)	CODE CA0206
CYCLOTRON	184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)	CA0101 M3554
CYCLOTRON	88-IN CYCLOTRON, ACCESSORY EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE CB0200
CYCLOTRON	88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II)	CODE CB0201

CYCLOTRON	88-IN CYCLOTRON, MECHANICAL (SEE THIS CODE IN SECTION II)	CODE CB0100
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, MAGNET (SEE THIS CODE IN SECTION II)	CODE CB0101
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II)	CODE CB0103
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, DEE (SEE THIS CODE IN SECTION II)	CODE CB0112
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II)	CODE CB0120
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II)	CODE CB0121
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, DEFLECTOR (SEE THIS CODE IN SECTION II)	CODE CB0125
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, ION-SOURCE (SEE THIS CODE IN SECTION II)	CODE CB0130
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II)	CODE CB0140
CYCLOTRON	88-IN CYCLOTRON, MISCELLANEOUS, IMPROVEMENTS (SEE THIS CODE IN SECTION II)	CODE CB0301
CYLINDER	PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. 5/24/65, 4P)	RA0203 M3569
CYLINDERS	SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRING. 12/1/65, 1P UCID 2712)	AA0300 M3639
DALL-TUBE	THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II - S JOHNSON. 7/18/63, 4P)	BE0905 M3098
DAMAGE	PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRING. 2/28/66, 2P)	AA0300 M3704
DE-SPIKER	DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P)	LA0102 M3430
DECAY	CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II)	CODE RC0106
DEE	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
DEE	SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)	CB0112 M3379
DEE	88-IN CYCLOTRON, MECHANICAL, DEE (SEE THIS CODE IN SECTION II)	CODE CB0112
DEE	88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II)	CODE CB0121

DEFINING	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
DEFLECTING	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)	RA0204 M3121
DEFLECTION	ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)	AC0501 M3526
DEFLECTION	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336
DEFLECTION	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
DEFLECTION	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORRGREN. 6/21/66, 5P)	HD0202 M3765
DEFLECTION	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
DEFLECTION	TANK LEVEL AND END DEFLECTION MEASUREMENTS (HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P)	LA0103 M3549
DEFLECTION	TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORRGREN. 6/27/66, 3P)	HD0202 M3771
DEFLECTION	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
DEFLECTION-SYSTEM	REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)	CB0125 M3380A
DEFLECTIONS	A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
DEFLECTIONS	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194

DEFLECTIONS	DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)	AC0404 M3520
DEFLECTIONS	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
DEFLECTIONS	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
DEFLECTOR	COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P)	CB0125 M3697
DEFLECTOR	DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P)	CB0125 M3565
DEFLECTOR	88-IN CYCLOTRON, MECHANICAL, DEFLECTOR (SEE THIS CODE IN SECTION II)	CODE CB0125
DEFLECTOR-II	DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P)	CB0125 M3655
DEMAGNETIZATION	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
DEMONSTRATION	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
DENSITY	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
DESIGN	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II)	CODE AC0501
DESIGN	ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P)	AA0102 M3093
DESIGN	ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)	AA0102 M3333
DESIGN	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103

DESIGN	BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)	RP0103 M3593
DESIGN	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
DESIGN	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
DESIGN	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
DESIGN	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
DESIGN	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)	AA0114 M3416
DESIGN	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
DESIGN	COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 2/3/65, 11P UCID 2458)	RC0102 M3496
DESIGN	CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4)	AA0116 M3743
DESIGN	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)	RC0103 M3204
DESIGN	CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P)	HD0202 M3717
DESIGN	CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P)	HD0202 M3720
DESIGN	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
DESIGN	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)	BE1210 M3042

DESIGN	DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599)	RC0103 M3586
DESIGN	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
DESIGN	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
DESIGN	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169
DESIGN	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169
DESIGN	DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P)	BE1130 M3766
DESIGN	DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P)	LA0102 M3633
DESIGN	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BE0601 M3207
DESIGN	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)	BE1130 M3462
DESIGN	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)	BE1130 M3461
DESIGN	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
DESIGN	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)	BE1130 M3460
DESIGN	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)	BE1805 M3272
DESIGN	EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P)	BE0701 M3729
DESIGN	FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
DESIGN	FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)	RC0100 M3218



DESIGN	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
DESIGN	J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
DESIGN	J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)	AA0117 M3175A
DESIGN	LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P)	BE0801 M3598
DESIGN	LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)	AC0501 M3257
DESIGN	M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)	BE0804 M3094
DESIGN	M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)	BE0804 M3490
DESIGN	M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)	BE0804 M3177A
DESIGN	M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)	BE0804 M3176A
DESIGN	MAGNET M-5 MARK-2 DESIGN (BEVATRON-EXTERNAL PROTON BEAM TRANSPORT MAGNETS. D VORKOEPEP. 12/2/65, 6P)	BE0804 M3708
DESIGN	MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)	AC0405 M3546
DESIGN	MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411)	BE0905 M3346A
DESIGN	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
DESIGN	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
DESIGN	PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)	RB0108 M3308B

DESIGN	PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P)	AC0501 M3154
DESIGN	PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. 5/24/65, 4P)	RA0203 M3569
DESIGN	REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (REINATH. 11/29/65, 13P)	AA0112 M3636
DESIGN	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
DESIGN	SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P)	BE0904 M3645A
DESIGN	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
DESIGN	TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P)	AC0406 M3545
DESIGN	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
DESIGN	THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)	AC1120 M3648
DESIGN	THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)	AC0303 M3715
DESIGN	ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)	RC0100 M3350A
DESIGN	VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/30/65, 12P)	AC0305 M3530
DESIGN	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
DESIGN	11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)	RB0101 M3725

DESIGN	12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744)	BE0705 M3667A
DESIGN	18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)	BE0705 M3275
DESIGN	1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE ( TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P)	AA0102 M3584
DESIGN	20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. 11/17/63 R1/10/66, 5P)	LA0102 M3140C
DESIGN	30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)	BE0610 M3317
DESIGNING	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
DESIGNS	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)	AC0409 M3226
DESY	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
DETECTOR	A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P)	AC0406 M3531
DETECTOR	A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)	RC0101 M3038
DETECTOR	REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P)	RC0100 M3660
DETECTOR	SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P)	RC0100 M3679
DETECTOR	SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3690
DETECTORS	GAS DETECTORS, (SURVEY AND RECOMMENDATION, HYDROGEN SAFETY COMMITTEE. J SHAND. 1/4/66, 1P UCID 2739)	AA0300 M3661
DEUTERIUM	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)	AT0102 M3402
DEUTERIUM	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
DEUTSCHE	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158

DEVICE	A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)	AA0501 M3408
DEVICE	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
DEVICE	DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599)	RC0103 M3586
DEVICE	WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
DEVICES	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
DEVICES	DEVICES, COMPONENTS, TOOLS (SEE THIS CODE IN SECTION II)	CODE AA0118
DEWAR	CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P)	AA0300 M3641
DEWAR	HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)	AA0300 M3630
DEWAR	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
DEWAR	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
DEWAR	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
DEWARS	SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)	AA0300 M3634
DEWARS	UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)	AA0300 M3206
DIAGNOSTIC	DIAGNOSTIC INSTRUMENT PACKAGING (SEE THIS CODE IN SECTION II)	CODE AB0402
DIAGNOSTIC	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
DIAZO	DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P)	SPEC. M354

DIAZO	DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)	SPEC. M376
DIELECTRIC	COMPARISON OF DIELECTRIC COOLANTS (HEAVY ION ACCELERATOR, ACCELERATOR COOLING. J HAUGHIAN. 11/18/65, 11P)	LA0107 M3632
DIFFERENTIAL	POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)	CB0120 M3604
DIFFERENTIALS	SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)	AC0404 M3522
DIFFUSER	FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
DIFFUSION	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
DIFFUSION	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
DIFFUSION	PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P)	CB0120 M3733
DIGITIZER	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
DIODE	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A
DIODE	DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)	AA0123 M3234
DIODE	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
DIODE	PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P)	AB0105 M3619
DIRECTORY	DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P)	BE0601 M3046A
DIRECTORY	ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P)	AA0128 M3228B
DISASTER	184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)	CA0101 M3554

DISC	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64, R4/8/64, 3P)	BE0503 M3276A
DISPERSIVE	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORNGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335
DISPLACEMENT	WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORNGREN. 3/11/66, 2P)	HD0203 M3707
DISSIPATION	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
DISTORTION	IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORNGREN. 2/16/66, 2P)	HD0103 M3696
DOCUMENT	DOCUMENT PREPARATION, INDEXING, RETRIEVAL (SEE THIS CODE IN SECTION II)	CODE AA0128
DOCUMENTATION-SYSTEM	ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN. 10/17/63, 3P)	AA0128 M3163
DOCUMENTS	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
DOG-LEG	SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497)	AC0300 M3537
DOME	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
DOOR	ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P)	AC1200 M3534
DOOR	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
DOOR	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
DOOR	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508

DOOR	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)	AC1200 M3601
DOOR	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
DOORWAY	DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P)	BE1130 M3766
DOSIMETRY	RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P)	RB0101 M3642
DRAFTING	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
DRAFTING-ROOM	DRAFTING-ROOM PRACTICES AND PROCEDURES (SEE THIS CODE IN SECTION II)	CODE AA0125
DRAWING	COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)	AT0102 M3197
DRAWING	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214
DRAWING	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
DRAWINGS	DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P)	BE0601 M3046A
DRIFT-TUBE	DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)	LA0105 M3550
DRIFT-TUBE	DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P)	LA0107 M3547
DRIFT-TUBE	DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
DRIFT-TUBE	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
DRIFT-TUBE	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
DRIFT-TUBE	FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
DRIFT-TUBE	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214

DRIFT-TUBE	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069
DRIFT-TUBES	EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)	LA0107 M3395
DRIFT-TUBES	POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
DRIFT-TUBES	PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
DRIVE	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
DRIVE	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
DRIVE	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
DRIVER	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
DRIVES	DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P)	CB0125 M3655
DRIVING	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
DRIVING	WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)	AC1300 M3626
DUTY-FACTOR	HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II)	CODE LA0105
DUTY-FACTOR	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
DUTY-FACTOR	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
DUTY-FACTOR	36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064



DUTY-FACTORS	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
EARTH	ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P)	AC0302 M3668
EARTHQUAKE	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
EARTHQUAKE	STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)	CA0202 M3555
EARTHQUAKE	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360
EARTHWORK	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
ECONOMICS	80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II)	CODE HF0102
ECONOMY	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
ECONOMY	THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)	AC0303 M3715
EDDY-CURRENT	PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P)	AC1120 M3682
EDDY-CURRENTS	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
EDDY-CURRENTS	EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 7P)	AC0305 M3527
EIMAC	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
EJECTION	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II)	CODE AC0301

ELBOW	REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F. REINATH. 11/29/65, 13P)	AA0112 M3636
ELECTRIC	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
ELECTRIC	ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
ELECTRIC	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
ELECTRIC	WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)	AC1300 M3626
ELECTRICAL	CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 6/12/65, 13P)	RC0102 M3582
ELECTRICAL	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169
ELECTRICAL	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
ELECTRICAL	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
ELECTRICAL	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
ELECTRICAL	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
ELECTRICAL	12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P)	SPEC M390A
ELECTRODE	ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P)	SPEC. M355A
ELECTRODES	CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756)	BE0906 M3706
ELECTRON	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698

ELECTRON	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
ELECTRON-BEAM	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
ELECTRONEN	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
EMBEDMENT	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
EMISSION	ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023
EMITTERS	CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II)	CODE RC0106
ENCLOSURE	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0302
ENCLOSURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0409
ENCLOSURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II)	CODE AC0410
ENCLOSURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II)	CODE AC0411
ENCLOSURE	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
ENCLOSURE	ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)	AC0410 M3560A
ENCLOSURE	ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P)	AC0302 M3668
ENCLOSURE	MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)	AC0409 M3320
ENCLOSURE	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767

ENERGY	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363
ENERGY	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P)	AC0300 M3452
ENGINEERING	ADVANCED-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II)	CODE AC0101
ENGINEERING	ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P)	AA0102 M3093
ENGINEERING	ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)	AA0102 M3333
ENGINEERING	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)	HE0106 M3290
ENGINEERING	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
ENGINEERING	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
ENGINEERING	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
ENGINEERING	ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN. 10/17/63, 3P)	AA0128 M3163
ENGINEERING	ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)	AA0300 M3268
ENGINEERING	ENGINEERING TECHNOLOGY (SEE THIS CODE IN SECTION II)	CODE AB0101
ENGINEERING	ENGINEERING TECHNOLOGY FOR LIVERMORE (SEE THIS CODE IN SECTION II)	CODE AB0400
ENGINEERING	EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
ENGINEERING	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
ENGINEERING	MECHANICAL ENGINEERING, GENERAL (SEE THIS CODE IN SECTION II)	CODE AA0100

ENGINEERING	MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)	AC0101 M3216
ENGINEERING	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
ENGINEERING	MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)	RA0200 M3274
ENGINEERING	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
ENGINEERING	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692
ENGINEERING	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467
ENGINEERING	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)	AA0101 M3045
ENGINEERING	THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)	AC0303 M3715
ENGINEERING	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION; PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
ENGINEERING	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
ENGINEERING	1965 ASME DESIGN ENGINEERING SHOW AND CONFERENCE (TRIP REPORT. A CARNEIRO. B EDWARDS. A WATANABE. 6/10/65, 3P)	AA0102 M3584
ENGINEERING	36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
ENGINEERING-FLIGHT	ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P)	SPEC M396

ENGINEERING-FLIGHT	ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P)	SPEC M397
ENGINEERING-NOTE	ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P)	AA0128 M3228B
ENGINEERING-NOTE	ENGINEERING-NOTE AUTHORS GUIDE (J TURNER. 7/27/64 R8/20/64 R12/21/66, 3P UCID 2485)	AA0128 M3374B
ENGINEERING-NOTE	ENGINEERING-NOTE POLICY. (R BURLEIGH, J TURNER. 11/3/65 R12/1/65, 1P)	AA0200 M3623A
ENGINEERING-NOTES	DIRECTORY OF CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING-NOTES (W SALSIG. 5/14/63 R4/11/66, 3P)	BE0601 M3046A
ENGINEERING-NOTES	INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P)	BE0905 M3215
ENGINES	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
ENTRANCE	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)	AC1200 M3601
ENTRANCE	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
ENVELOPE	BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II)	CODE BE1805
ENVELOPES	OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P)	AC0305 M3773
EPON-826	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
EPON-934	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518
EPOXIES	RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P)	BE0802 M3640
EPOXY	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518

EPOXY :	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
EPOXY :	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
EPOXY	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)	BE0906 M3022
EPOXY :	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
EPOXY :	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
EQUAL-POTENTIAL :	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501
EQUATIONS	EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
EQUILIBRIUM	BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)	RP0103 M3593
EQUIPMENT	ADVANCED-ACCELERATOR, HANDLING EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AC1300
EQUIPMENT	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
EQUIPMENT	BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II)	CODE BE0610
EQUIPMENT	BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P)	AA0300 M3628
EQUIPMENT	COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P)	AC1300 M3562A
EQUIPMENT	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
EQUIPMENT	EVALUATION OF VACUUM EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AB0105
EQUIPMENT	HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS (SEE THIS CODE IN SECTION II)	CODE LA0102

EQUIPMENT	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	PC0101 M3282
EQUIPMENT	LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AB0102
EQUIPMENT	OPTICAL PRACTICES AND EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AA0130
EQUIPMENT	PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P)	BE1301 M3758
EQUIPMENT	SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)	AC1200 M3514
EQUIPMENT	VACUUM PRACTICES, EQUIPMENT, MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0112
EQUIPMENT	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
EQUIPMENT	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
EQUIPMENT	184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS (SEE THIS CODE IN SECTION II)	CODE CA0303
EQUIPMENT	184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE CA0102
EQUIPMENT	88-IN CYCLOTRON, ACCESSORY EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE CB0200
EQUIPMENT	88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II)	CODE CB0201
EQUIPMENT-FABRICATI	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
ESTIMATE	ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P)	RB0108 M3323
ESTIMATE	ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)	LA0108 M3613
ESTIMATE	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
ESTIMATE	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698



ESTIMATE	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
ESTIMATE	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)	AC1001 M3451
ESTIMATE	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
ESTIMATE	CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)	CA0100 M3300
ESTIMATE	COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P)	RB0108 M3129
ESTIMATE	COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P)	AC1300 M3562A
ESTIMATE	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
ESTIMATE	COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)	AC0402 M3551A
ESTIMATE	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
ESTIMATE	COST ESTIMATE NUMBER 3 (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREAS. R MEUSER. 3/16/65, 15P)	AC1120 M3516
ESTIMATE	COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738)	AC1300 M3659
ESTIMATE	COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P)	AC1001 M3561
ESTIMATE	COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P)	AC0200 M3727
ESTIMATE	COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P)	LA0108 M3685

ESTIMATE	COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)	AC0200 M3506
ESTIMATE	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
ESTIMATE	CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3689
ESTIMATE	DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P)	CB0125 M3565
ESTIMATE	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
ESTIMATE	ENCLOSURE MAIN ACCESSWAYS, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. J SATTI. P CALLAHAN. 2/26/65 R5/24/65, 7P)	AC0410 M3560A
ESTIMATE	EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
ESTIMATE	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
ESTIMATE	FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITES. J HAUGHIAN. 2/8/66, 2P)	LA0108 M3686
ESTIMATE	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
ESTIMATE	LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P)	RB0100 M3517A
ESTIMATE	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
ESTIMATE	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P)	RC0103 M3058
ESTIMATE	MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)	AC0405 M3546

ESTIMATE	MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)	AC0800 M3241B
ESTIMATE	MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P)	AC0800 M3559A
ESTIMATE	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
ESTIMATE	MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P)	CA0100 M3724
ESTIMATE	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
ESTIMATE	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
ESTIMATE	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRING. 11/11/65, 3P)	RA0200 M3629
ESTIMATE	MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P)	RC0107 M3711
ESTIMATE	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
ESTIMATE	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
ESTIMATE	PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)	AC0500 M3248
ESTIMATE	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
ESTIMATE	REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)	CB0125 M3380A
ESTIMATE	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A

ESTIMATE	SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P)	RC0100 M3679
ESTIMATE	SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3690
ESTIMATE	SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740)	AC1300 M3662
ESTIMATE	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
ESTIMATE	SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)	LA0106 M3375
ESTIMATE	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376
ESTIMATE	SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)	CB0112 M3379
ESTIMATE	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
ESTIMATE	100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)	LA0105 M3150
ESTIMATE	11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)	RB0101 M3725
ESTIMATE	18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)	BE0705 M3275
ESTIMATE	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
ESTIMATE	36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
ESTIMATES	A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
ESTIMATES	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279

ESTIMATES	COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)	AC0701 M3654
ESTIMATES	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
ESTIMATES	COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)	AC0405 M3553B
ESTIMATES	COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)	LA0100 M3262
ESTIMATES	FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)	RB0108 M3307
ESTIMATES	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
ESTIMATES	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301
ESTIMATES	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692
ESTIMATES	SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P)	RA0200 M3558
ESTIMATING	COSTS, TIME-STUDIES, ESTIMATING (SEE THIS CODE IN SECTION II)	CODE AA0103
ESTIMATING	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)	AC0800 M3134
ESTIMATING	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)	AC0800 M3281
ETHANE	290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)	BE0709 M3670

ETHYLENE	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728
EVACUATION	EVACUATION OF VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 4P)	AC0305 M3528
EVALUATION	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPATTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A
EVALUATION	BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)	BE0802 M3082
EVALUATION	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
EVALUATION	EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)	AC0800 M3269A
EVALUATION	EVALUATION OF VACUUM EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AB0105
EVALUATION	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
EVALUATION	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPATTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
EVALUATION	PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPATTER-ION PUMPS (F REINATH. 10/28/65, 3P)	AB0105 M3619
EVALUATION	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A
EVALUATION	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
EVALUATION	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
EXAMINATION	EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)	BE0610 M3062
EXCITATION	MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P)	RC0107 M3711
EXCITATION	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
EXHIBIT	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64 4P)	AA0102 M3446

EXIT	BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II)	CODE BE1805
EXIT	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
EXIT	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED 6/25/63, 54P)	BE1305 M3089
EXPANSION	82-INCH BUBBLE-CHAMBER EXPANSION BELLOWS (R BYRNS. 10/22/65, 2P)	SPEC M389
EXPANSION-SYSTEM	25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II)	CODE HE0103
EXPERIMENT	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	PC0101 M3282
EXPERIMENT	LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)	RC0102 M3458
EXPERIMENTAL	BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II)	CODE BE0701
EXPERIMENTAL	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
EXPERIMENTAL	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II)	CODE BE0705
EXPERIMENTAL	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II)	CODE BE0706
EXPERIMENTAL	BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0708
EXPERIMENTAL	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
EXPERIMENTAL	BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II)	CODE BE0806
EXPERIMENTAL	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
EXPERIMENTAL	EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P)	BE0701 M3729

EXPERIMENTAL	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
EXPERIMENTAL	184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS (SEE THIS CODE IN SECTION II)	CODE CA0303
EXPERIMENTAL-AREA	EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
EXPERIMENTAL-AREAS	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II)	CODE AC1100
EXPERIMENTAL-AREAS	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA (SEE THIS CODE IN SECTION II)	CODE AC1110
EXPERIMENTAL-AREAS	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II)	CODE AC1120
EXPERIMENTAL-AREAS	BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II)	CODE BE0701
EXPERIMENTAL-HALL	EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P)	AA0300 M3609
EXPERIMENTAL-HALL	SAFETY RECOMMENDATIONS FOR THE EXPERIMENTAL-HALL (ADVANCED ACCELERATOR, LONG PROTON BEAM AREA. P HERNANDEZ. 10/5/65 R11/1/65, 3P UCID 2649)	AC1120 M3612A
EXPERIMENTS	TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)	AA0300 M3188A
EXPLOSIVE-ACTUATED	ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P)	SPEC M397
EXPOSURE	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
EXTRACTION	ADVANCED-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC1001
EXTRACTION	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)	AC1001 M3451
EXTRACTION	SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P)	AC0300 M3614



EXTRACTION-SYSTEM	COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P)	AC1001 M3561
EXTRACTION-SYSTEM	PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P)	AC0301 M3580
FABRICATION	ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P)	AC0200 M3202
FABRICATION	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0502
FABRICATION	ADVANCED-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0503
FABRICATION	CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756)	BE0906 M3706
FABRICATION	DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P)	CB0125 M3565
FABRICATION	ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P)	SPEC M396
FABRICATION	INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P)	AC0500 M3746
FABRICATION	MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)	AC0501 M3453
FABRICATION	MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)	AC0502 M3650
FABRICATION	VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/30/65, 12P)	AC0305 M3530
FABRICATION	12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65, 8P)	SPEC M390A
FABRICATOR	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63, 1P)	AA0101 M3045
FACILITIES	ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)	LA0108 M3613

FACILITIES	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II)	CODE AC0411
FACILITIES	BEVATRON, EXPERIMENTAL FACILITIES, GENERAL EXPERIMENTAL-AREAS (SEE THIS CODE IN SECTION II)	CODE BE0701
FACILITIES	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
FACILITIES	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II)	CODE BE0705
FACILITIES	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II)	CODE BE0706
FACILITIES	BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0708
FACILITIES	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
FACILITIES	BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II)	CODE BE0806
FACILITIES	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
FACILITIES	HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II)	CODE LA0108
FACILITY	CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)	AB0400 M3120A
FACILITY	COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)	AC0405 M3553B
FACILITY	DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514)	AC0405 M3552A
FACILITY	SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II)	CODE AB0403
FAILURE	184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)	CA0101 M3554
FEED-THRU	UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783)	BE0702 M3731

FERRITE	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
FERRITE	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
FERRITE	RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)	MN0201 M3674
FIELD	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
FIELD	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
FIELD	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
FIELD	BEARING TESTS FOR APPLICATION IN VACUUM OF $1 \times 10^{-6}$ TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)	BE0702 M3732
FIELD	CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P)	AC0303 M3532
FIELD	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
FIELD	FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)	AA0114 M3026
FIELD	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
FIELD	TESTING KLIKON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
FIELD	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
FIELD-FREE	FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)	RC0101 M3063

FIELD-FREE	FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)	RC0101 M3203
FIELD-ION	FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P)	RA0202 M3673
FIELD-ION	LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P)	RA0202 M3658
FIELD-ION	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P)	AA0300 M3620
FIELD-ION	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P)	AA0300 M3671
FIELD-MEASURING	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
FIELDS	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
FILLER	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
FILM	A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)	AA0503 M3105
FILM	COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)	AT0102 M3197
FILM	FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA ECONOMICS OF OPERATION. D NORGREN. 1/10/66, 2P UCID 2743)	HF0102 M3669
FILM	FILM PROCESSOR, 35MM (P BEAN. 8/16/65, 2P)	SPEC M384
FILM	MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
FILMS	A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)	AA0503 M3106
FILMS	PREPARATION OF THIN FILMS (SEE THIS CODE IN SECTION II)	CODE AA0503
FILMS	THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O CONNELL. 5/3/63, 4P)	AA0503 M3104
FILMS	THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O CONNELL. 5/3/63, 2P)	AA0503 M3107
FILMSTRIP	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401

FILTER	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
FILTERING	IMPROVING PHOTOGRAPHIC-IMAGE-SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORRGREN. 3/25/66, 9P)	HD0202 M3716
FINS	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
FIRE-FIGHTING	PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P)	BE1301 M3758
FIRING	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
FISCHER	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
FIT	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63, R8/21/63, 5P)	AA0123 M3117A
FITTINGS	CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRING. 2/19/64, 5P)	RA0201 M3266
FITTINGS	TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS, R ESCOBALLES. 5/20/66, 2P)	RC0103 M3747
FIXTURE	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
FIXTURE	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
FIXTURE	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
FIXTURE	STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
FLAMESPRAYED	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
FLAMMABLE	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265

FLAMMABLE	SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P)	AA0300 M3721
FLANGE	EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 7P)	AC0305 M3527
FLANGED	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
FLANGES	HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)	RC0100 M3748
FLARELESS	TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P)	RC0103 M3747
FLASK	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
FLASKS	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. ) 11/7/63, 3P)	AT0102 M3180
FLATTENING	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
FLATTENING	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
FLIGHT	BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)	RP0103 M3593
FLIP-TARGET	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, 9/19/63, 4P)	BE0702 M3123A
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139

FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
FLOOR	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BE0601 M3207
FLOOR	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)	RC0103 M3056
FLOOR	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P)	RC0103 M3051A
FLOTATION	DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599)	RC0103 M3586
FLOW	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
FLOW	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
FLOW	DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P)	LA0107 M3547
FLOW	ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)	RC0103 M3039
FLOW	MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P)	RP0102 M3599
FLOW	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
FLOW	MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334)	AA0112 M3148
FLOW	SOME CRITERIA FOR FLOW INTERLOCKS (R BURLEIGH. 11/14/63, 3P UCID 2231)	AA0118 M3183
FLOW	THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P)	BE0905 M3098
FLOW-CHECK	MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411)	BE0905 M3346A

FLOW-RATE	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)	CB0140 M3618A
FLOWSWITCH	A NEW TYPE WATER FLOWSWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)	AB0101 M3340
FLOWSWITCH	FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
FLOWSWITCH	FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIplet (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
FLOWSWITCH	FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
FLOWSWITCH	GEMS PS-900 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)	RC0500 M3439
FLOWSWITCH	MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411)	BE0905 M3346A
FLOWSWITCH	ONE-HALF INCH WATER FLOWSWITCH (HEAVY-ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P)	LA0102 M3189
FLOWSWITCH	20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. 11/17/63 R1/10/66, 5P)	LA0102 M3140C
FLUORESCENCE	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
FLUX	SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)	RC0102 M3476
FLUX-DISTRIBUTION	FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P)	AA0114 M3570
FLYING-SPOT	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
FOCUSING	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P)	AA0114 M3195
FOCUSSING	184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS (SEE THIS CODE IN SECTION II)	CODE CA0303
FOIL	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
FOIL	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252



FOIL	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64, R4/8/64, 3P)	BE0503 M3276A
FOIL	FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)	RC0100 M3218
FOIL	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPER. 10/14/64, 1P)	RP0101 M3429
FORCES	ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P)	AC1200 M3534
FORCES	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)	BE0907 M3010
FORCES	POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)	RP0102 M3567
FORCES	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)	AC1200 M3601
FORE	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
FORE	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
FORGINGS	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076
FORM	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
FORMAT	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORNGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
FORMATION	HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)	AA0300 M3630
FORMING	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
FORMULAE	PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)	AA0123 M3343
FORMULAE	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024

FORMULAS	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
FORMULAS	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)	BE0906 M3022
FORMULAS FORMULATION	USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P) VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	AA0114 M3543 SPEC. M358
FORMULATION	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
FORMULATIONS	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
FORTRAN	CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)	AA0123 M3347
FORTRAN	FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
FORTRAN	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)	AA0123 M3393
FORTRAN	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)	AA0123 M3394
FOUNDATION	COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)	AC0402 M3551A
FOUNDATION	COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)	AC0405 M3553B
FOUNDATION	LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)	AC0402 M3398
FOUNDATION	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767

FOUNDATIONS	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II)	CODE AC0404
FOUNDATIONS	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)	AC0409 M3226
FOUNDRY	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
FOURIER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
FRAME	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
FREON	FREON PUMP (OMNITRON STUDY, RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)	SPEC M394
FREON	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
FREON-11	FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)	SPEC M393
FREON-11	RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)	MN0201 M3674
FREON-13	160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)	BE0709 M3694
FREON-13	485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, KI-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)	BE0709 M3592
FREQUENCIES	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
FREQUENCIES	NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)	AC0404 M3283
FREQUENCY	COST ESTIMATE, CHANGE OF ACCELERATING FREQUENCY TO 100-MHZ (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 4/19/66, 3P)	AC0200 M3727

FREQUENCY	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
FREQUENCY	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
FREQUENCY	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
FRESNEL	CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORRGREN. 3/30/66, 9P)	HD0202 M3720
FRESNEL	FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR $n = 1.39$ (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORRGREN. 3/30/66, 3P)	HD0202 M3719
FUNCTION	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 9/64 30P)	AC0300 M3452
FUNCTION	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)	CA0206 M3477B
FUNCTION	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)	BE0708 M3324A
FUNCTIONS	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
FURANE-D40	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
FURNACE	PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRING. 2/28/66, 2P)	AA0300 M3704
GAGE	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
GAGE	THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P)	AA0300 M3249
GAGES	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
GAMMA	CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II)	CODE RC0101

GAMMA	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
GAMMA	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
GAMMA	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493
GAMMA	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
GAMMA-RAY	REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P)	RC0100 M3660
GAP	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)	AA0114 M3416
GAP	CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P)	AC0303 M3532
GAP	MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P)	AC0500 M3536
GAP	POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)	RP0102 M3567
GAP	18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 5/15/63, 7P)	SPEC. M353
GAP-MOUNTED	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, 9/19/63, 4P)	BE0702 M3123A
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137

GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
GAS	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFFER. 6/24/64, 1P)	AB0101 M3352
GAS	GAS DETECTORS, (SURVEY AND RECOMMENDATION, HYDROGEN SAFETY COMMITTEE. J SHAND. 1/4/66, 1P UCID 2739)	AA0300 M3661
GAS	HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P)	AA0300 M3643
GAS	HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
GAS	ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)	RC0103 M3039
GAS	LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AB0102
GAS	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEK. 2/4/65, 1P)	RP0101 M3493
GAS	SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRING. 12/1/65, 1P UCID 2712)	AA0300 M3639
GAS	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
GAS	SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P)	AA0300 M3721
GAS	1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)	AT0101 M3251
GAS	1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)	AA0300 M3759
GASEOUS	ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)	RC0103 M3044
GASES	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A

GASES	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
GASES	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
GASES	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
GASKET	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
GASKET	DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)	HE0103 M3101
GASKET	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
GASKETS	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493
GATE	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)	BE1805 M3272
GATE	STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)	RC0103 M3309
GAUGE	CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
GAUGE	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
GAUGE	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)	AA0112 M3364A
GAUGE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
GAUGE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A
GEMS	GEMS PS-90 FLOWSWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)	RC0500 M3439
GENERAL-ELECTRIC	BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 6/16/64, 28P)	AC0300 M3344

GENERAL-ELECTRIC	VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R-FREY. 6/13/63, 8P)	AA0114 M3079
GLASS	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
GLASS	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
GLASS	GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P)	SPEC. M363
GLASS	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347)	HE0106 M3386A
GLASS	LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)	HE0103 M3168A
GLASS	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
GLASS	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)	BE0708 M3324A
GLASS	VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M351B
GLASS	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
GLOW-DISCHARGE	GLOW-DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)	RC0103 M3015
GONDOLA	ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P)	SPEC M396
GONDOLA	ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P)	SPEC M397
GOOSENECKS	CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P)	AA0300 M3641



GRADIENT	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
GRADIENT	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
GRADIENT	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
GRADIENT	BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)	AC0503 M3755
GRADIENT	CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P)	AC0303 M3532
GRADIENT	GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P)	AC0303 M3649
GRADIENT	GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P)	AC0303 M3646
GRADIENT	GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
GRADIENT	GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P)	AC0302 M3680
GRADIENT	GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)	SPEC. M374
GRADIENT	MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P)	SPEC M386C
GRADIENT	TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P)	AC0303 M3676
GRADIENTS	DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)	AC0404 M3520

GRAPHS	GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)	AA0114 M33828
GRAPHS	MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P)	AA0114 M3524
GRAVITY	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
GRAVITY	POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)	RP0102 M3567
GRID	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLDS. 6/28/65, 2P)	AA0501 M3600
GRID	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
GRID	FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
GRILL	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
GRINDING	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
GROOVE	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
GROOVE	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
HANDLING	ADVANCED-ACCELERATOR, HANDLING EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AC1300
HANDLING	BEVATRON, MISCELLANEOUS, HANDLING EQUIPMENT AND CRANES (SEE THIS CODE IN SECTION II)	CODE BE0610
HANDLING	COST ESTIMATE CONVENTIONAL AND REMOTE HANDLING EQUIPMENT (ADVANCED ACCELERATOR. W SALSIG. 3/4/65 R6/10/65, 5P)	AC1300 M3562A
HANDLING	HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORGREN. 9/25/63, 1P)	HE0105 M3149
HANDLING	LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P)	AA0300 M3672

HANDLING	184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE CA0102
HARDWARE	EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
HARDWARE	HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)	BE0610 M3115
HARDWARE	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
HASTINGS	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
HAZARD	HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P)	AA0300 M3622
HAZARDOUS	BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P)	AA0300 M3628
HEADS	EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)	LA0107 M3395
HEADS	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
HEAT	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
HEAT	DRIFT-TUBE HEAT LOADS AND FLOW REQUIREMENTS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. R BYRNS. 4/16/65, 9P)	LA0107 M3547
HEAT	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
HEAT	HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)	LA0107 M3417
HEAT	ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)	RC0103 M3044
HEAT	POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
HEAT-BALANCE	PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)	LA0107 M3611

HEAT-EXCHANGER	FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)	SPEC M393
HEAT-TRANSFER	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
HEAT-TRANSFER	HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P)	BE0905 M3002
HEAT-TRANSFER	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
HEAT-TRANSFER	TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P)	AC0303 M3676
HEATER	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
HEATERS	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
HEATING	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347)	HE0106 M3386A
HEATING	PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)	LA0107 M3611
HEATING	SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
HEATING	TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P)	AC1120 M3564
HEATING	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
HEAVY-ION	HEAVY-ION ACCELERATOR (SEE THIS CODE IN SECTION II)	CODE LA0100
HEAVY-ION	HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II)	CODE LA0101
HEAVY-ION	HEAVY-ION ACCELERATOR, GENERAL, NEW EQUIPMENT AND COMPONENTS (SEE THIS CODE IN SECTION II)	CODE LA0102
HEAVY-ION	HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II)	CODE LA0103

HEAVY-ION	HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II)	CODE LA0105
HEAVY-ION	HEAVY-ION ACCELERATOR, GENERAL, SHIELDING (SEE THIS CODE IN SECTION II)	CODE LA0106
HEAVY-ION	HEAVY-ION ACCELERATOR, GENERAL, ACCELERATOR COOLING (SEE THIS CODE IN SECTION II)	CODE LA0107
HEAVY-ION	HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II)	CODE LA0108
HELIUM	HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)	AA0300 M3630
HELIUM	LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P)	RA0202 M3658
HELIUM	LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)	RC0102 M3458
HELIUM	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
HELIUM	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
HELIUM	SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)	AA0300 M3634
HELIUM	TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II)	CODE AT0101
HELIUM	TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II)	CODE AT0102
HELIUM	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)	RP0102 M3014
HEMATITE	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
HEMISPHERES	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
HERAEUS	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616

HERO	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
HERO	12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P)	SPEC. M346
HIGH-ACCURACY	TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P)	AC0406 M3545
HIGH-DENSITY	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C
HIGH-DENSITY	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
HIGH-FREQUENCY	RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)	MN0201 M3674
HIGH-PRESSURE	HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P)	AA0300 M3643
HIGH-PRESSURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
HIGH-PRESSURE	STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758)	RA0200 M3712
HIGH-STRENGTH	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
HIGH-STRENGTH	STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P)	AA0109 M3566
HIGH-TEMPERATURE	INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0201
HIGH-VOLTAGE	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
HIPPENSTAHL	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076
HOIST	ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
HOKE-GYROLOK	TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBLES. 5/20/66, 2P)	RC0103 M3747

HOLDER	NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)	AA0102 M3768
HOLDER	REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P)	RC0100 M3660
HOMALITE	ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P)	AA0106 M3741
HOMALITE	HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P)	AA0106 M3764
HOMALITE	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P)	HD0202 M3765
HOOK	EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)	BE0610 M3062
HOOK-SUSPENDED	HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)	BE0610 M3115
HOSE	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
HOSE	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
HOSE	HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)	LA0103 M3083
HOSE	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
HOSE	PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331)	AA0114 M3047
HOSE	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
HOSES	AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)	BE0705 M3208
HOSES	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
HOT-PRESSED	THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P)	AA0107 M3691
HOUSE	EXPERIMENTAL HOUSE HALF-TON CRANE DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES, ELECTRONIC DECAY RATES, TOLLESTRUP, CAL TECH. C LARSON. 4/22/66, 7P)	BE0701 M3729

HOVAIR	DESIGN CONSIDERATIONS FOR HOVAIR AIR FLOTATION DEVICE (CHEMISTRY RESEARCH, ISOTOPE SEPARATOR. E CHUCK. 5/13/65, 22P UCID 2599)	RC0103 M3586
HUMANS	BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II)	CODE RB0108
HYDRAULIC	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)	BE0702 M3036
HYDRAULIC	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751
HYDRAULIC	SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II)	CODE AA0117
HYDROGEN	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
HYDROGEN	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
HYDROGEN	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGRN. 7/30/64, 3P UCID 2340)	RA0203 M3335
HYDROGEN	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
HYDROGEN	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
HYDROGEN	HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)	SPEC. M370
HYDROGEN	HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
HYDROGEN	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
HYDROGEN	LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P)	AA0300 M3672
HYDROGEN	LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P)	AA0300 M3638
HYDROGEN	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133



HYDROGEN	MINUTES OF HYDROGEN SAFETY COMMITTEE (SEE THIS CODE IN SECTION II)	CODE AA0300
HYDROGEN	SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)	RA0204 M3114
HYDROGEN	SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRING. 12/1/65, 1P UCID 2712)	AA0300 M3639
HYDROGEN	SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARs (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)	AA0300 M3634
HYDROGEN	TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II)	CODE AT0101
HYDROGEN	TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II)	CODE AT0102
HYDROGEN	TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)	AA0300 M3188A
HYDROGEN	UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARs (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)	AA0300 M3206
HYDROGEN	1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)	AA0300 M3759
HYDROGEN	25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II)	CODE HE0102
HYDROGEN	25-IN HYDROGEN BUBBLE-CHAMBER, CHAMBER AND EXPANSION-SYSTEM (SEE THIS CODE IN SECTION II)	CODE HE0103
HYDROGEN	25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II)	CODE HE0105
HYDROGEN	25-IN HYDROGEN BUBBLE-CHAMBER, OPERATION (SEE THIS CODE IN SECTION II)	CODE HE0106
HYDROGEN	72-IN HYDROGEN BUBBLE-CHAMBER, DEVELOPMENT (SEE THIS CODE IN SECTION II)	CODE HD0102
HYDROGEN	72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II)	CODE HD0103
HYDROSTATIC	CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)	BE0701 M3702
HYPERFRAGMENT	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	PC0101 M3282

HYSTERESIS	PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P)	AC1120 M3682
IBM	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)	AA0123 M3393
IBM	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)	AA0123 M3394
ICE	HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)	AA0300 M3630
IGNITRON	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
ILLUMINATION	82-IN BUBBLE-CHAMBER, ILLUMINATION (SEE THIS CODE IN SECTION II)	CODE HD0202
IMAGE	IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P)	HD0103 M3696
IMAGE	80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II)	CODE HF0101
IMPREGNATION	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
IMPREGNATION	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
IMPULSE	MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)	AA0114 M3191
INCIDENT	FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR $n = 1.39$ (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 3P)	HD0202 M3719
INDEX	CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P)	HD0202 M3717
INDEX	INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P)	BE0905 M3215
INDEX	MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)	CA0101 M3019
INDEXING	DOCUMENT PREPARATION, INDEXING, RETRIEVAL (SEE THIS CODE IN SECTION II)	CODE AA0128
INDICATOR	A NEW TYPE WATER FLOWSWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)	AB0101 M3340

INDICATOR	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329
INDUCTANCE	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)	AC0505 M3261
INDUCTION	CERAMIC INDUCTION ELECTRODES, FABRICATION SUMMARY (BEVATRON INJECTOR II. F CROSBY. J TANABE. 3/9/66, 7P UCID 2756)	BE0906 M3706
INERTIA	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK-VIII GAP-MOUNTED FLIP-TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
INFLECTOR	ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)	BE0907 M3118A
INFLECTOR	BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II)	CODE BE0906
INFLECTOR	BEVATRON, INJECTOR-II, INFLECTOR (SEE THIS CODE IN SECTION II)	CODE BE0907
INFLECTOR	INFLECTOR SURVEY RESULTS JUNE 1965 (BEVATRON, INJECTOR-II. S JOHNSON. 6/18/65, 3P)	BE0907 M3581
INFLECTOR	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II- INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
INFORMATION-SYSTEM	TECHNICAL INFORMATION-SYSTEM AND CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P)	AA0102 M3253
INJECTED	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)	BE0907 M3132
INJECTED	METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)	BE0907 M3131
INJECTION	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II)	CODE AC0301
INJECTION	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
INJECTION	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244

INJECTOR	ADVANCED-ACCELERATOR, LINAC INJECTOR (SEE THIS CODE IN SECTION II)	CODE AC0200
INJECTOR	ADVANCED-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0220
INJECTOR	ADVANCED-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II)	CODE AC0250
INJECTOR	ADVANCED-ACCELERATOR, SYNCHROTRON INJECTOR (SEE THIS CODE IN SECTION II)	CODE AC0300
INJECTOR	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0302
INJECTOR	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II)	CODE AC0301
INJECTOR	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0303
INJECTOR	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0304
INJECTOR	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0305
INJECTOR	COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P)	LA0108 M3685
INJECTOR	FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/8/66, 2P)	LA0108 M3686
INJECTOR	HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II)	CODE LA0108
INJECTOR	INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P)	AC0300 M3714A
INJECTOR	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
INJECTOR	MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584)	AC0300 M3568
INJECTOR	PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P)	AC0301 M3580

INJECTOR	PROPOSED INJECTOR TERMINAL IMPROVEMENTS (HEAVY ION ACCELERATOR ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 12/23/65, 7P)	LA0108 M3656
INJECTOR	SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P)	AC0300 M3614
INJECTOR	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
INJECTOR	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767
INJECTOR-II	BEVATRON, INJECTOR-II, ION-SOURCE (SEE THIS CODE IN SECTION II)	CODE BE0902
INJECTOR-II	BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II)	CODE BE0904
INJECTOR-II	BEVATRON, INJECTOR-II, ION-GUN (SEE THIS CODE IN SECTION II)	CODE BE0903
INJECTOR-II	BEVATRON, INJECTOR-II, LINAC (SEE THIS CODE IN SECTION II)	CODE BE0905
INJECTOR-II	BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II)	CODE BE0906
INJECTOR-II	BEVATRON, INJECTOR-II, INFLECTOR (SEE THIS CODE IN SECTION II)	CODE BE0907
INORGANIC	A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)	AA0503 M3105
INORGANIC	INORGANIC MATERIALS RESEARCH (SEE THIS CODE IN SECTION II)	CODE RA0200
INORGANIC	INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0201
INORGANIC	INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0202
INORGANIC	INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II)	CODE RA0203
INORGANIC	INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II)	CODE RA0204
INORGANIC	PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0107
INORGANIC	THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O CONNELL. 5/3/63, 2P)	AA0503 M3107

INSPECTION	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
INSPECTION	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
INSTALLATION	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	PC0101 M3282
INSTALLATION	INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P)	AC0220 M3597
INSTALLATION	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/9/63, 3P)	RC0103 M3049
INSTALLATION	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/15/63 7/3/63, 3P)	RC0103 M3051A
INSTALLATION	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/22/63, 1P)	RC0103 M3058
INSTALLATION	MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 7/3/63, 6P)	RC0103 M3090
INSTALLATION	MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALLES. 11/8/63, 4P)	RC0103 M3182
INSTALLATION	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)	CA0206 M3477B
INSTALLATION	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)	AA0123 M3088
INSTALLATION	SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRING. 12/1/65, 1P UCID 2712)	AA0300 M3639
INSTALLATION	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
INSTALLING	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
INSTRUCTION	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)	BE0706 M3080

INSTRUCTION	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)	AA0123 M3393
INSTRUCTION	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)	AA0123 M3394
INSTRUCTIONS	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P)	BE0702 M3123A
INSTRUCTIONS	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136
INSTRUCTIONS	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
INSTRUCTIONS	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
INSTRUCTIONS	INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P)	BE0705 M3590
INSTRUCTIONS	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
INSTRUCTIONS	INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)	BE0705 M3422
INSTRUCTIONS	OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
INSTRUCTIONS	OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
INSTRUCTIONS	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
INSTRUCTIONS	TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P)	LA0107 M3595
INSTRUCTIONS	TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)	AA0300 M3188A

INSTRUMENT	DIAGNOSTIC INSTRUMENT PACKAGING (SEE THIS CODE IN SECTION II)	CODE AB0402
INSTRUMENT	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
INSTRUMENT	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64 4P)	AA0102 M3446
INSTRUMENT	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
INSTRUMENT	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)	AC0406 M3603
INSTRUMENTATION	BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II)	CODE RB0101
INSTRUMENTATION	OPTICAL INSTRUMENTATION AND TOOLING (SEE THIS CODE IN SECTION II)	CODE AA0501
INSULATION	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
INSULATOR	ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P)	SPEC. M355A
INTERCHANGE	TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P)	RC0103 M3747
INTERFEROMETRY	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
INTERLOCK	THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P)	BE0905 M3098
INTERLOCKING	INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)	AA0300 M3085
INTERLOCKS	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
INTERLOCKS	SOME CRITERIA FOR FLOW INTERLOCKS (R BURLEIGH. 11/14/63, 3P UCID 2231)	AA0118 M3183



INVENTORY	SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)	AA0300 M3634
INVESTIGATION	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
INVESTIGATION	INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEP. 7/3/64, 2P UCID 2403)	CB0121 M3359
INVESTIGATION	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
INVESTIGATION	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)	CB0140 M3610
INVESTIGATIONS	INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II)	CODE AB0108
ION	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)	BE0907 M3132
ION	ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183)	RC0103 M3305
ION	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
ION-GUN	BEVATRON, INJECTOR-II, ION-GUN (SEE THIS CODE IN SECTION II)	CODE BE0903
ION-GUN	BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II)	CODE BE0904
ION-SOURCE	BEVATRON, INJECTOR-II, ION-SOURCE (SEE THIS CODE IN SECTION II)	CODE BE0902
ION-SOURCE	ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)	CB0130 M3059
ION-SOURCE	ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
ION-SOURCE	ION-SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)	RC0103 M3044
ION-SOURCE	ION-SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)	RC0103 M3039

ION-SOURCE	ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023
ION-SOURCE	88-IN CYCLOTRON, MECHANICAL, ION-SOURCE (SEE THIS CODE IN SECTION II)	CODE CB0130
IONIZATION	CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
IRIS	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P)	AA0114 M3387
IRRADIATION	BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II)	CODE RB0108
IRRADIATION	LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P)	RB0100 M3517A
ISOCRONOUS	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
ISOLATION	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
ISOLATION	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
ISOTOPE	CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)	RC0103 M3505
ISOTOPE	CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P)	RC0103 M3699
ISOTOPE	CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II)	CODE RC0103
ISOTOPE	ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)	RC0103 M3007
J-GROOVE	J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
J-GROOVE	J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)	AA0117 M3175A
JACK	INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P)	BE0705 M3590

JACK	LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P)	BE0801 M3596
JACKET	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
JAR	CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)	AB0403 M3033
JIB	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
JIG	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLLS, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
JIG-O-SEAL	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
JOINT	ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P)	SPEC M397
JOINT	HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)	RC0100 M3748
JOINT	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
JOINT	PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. 5/24/65, 4P)	RA0203 M3569
JOINT	1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P)	AA0102 M3588
JOINTS	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
JOINTS	ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.)	RC0100 M3750
JOINTS	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
JULIUS	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
JUMPS	SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)	RC0102 M3476

JUSTIFICATION	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
KENNEY	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
KINNEY	PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)	AB0105 M3608
KINNEY-KC-8	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
KLIXON	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
KLIXON	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518
KLIXON	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
KLIXON	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
KOVAR-7052	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
KROMARC-55	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
LABORATORIES	PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)	AA0102 M3539
LABORATORY	BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P)	AA0102 M3540
LABORATORY	FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)	RC0101 M3063
LABORATORY	FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)	RC0101 M3203
LABORATORY	SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P)	AA0300 M3721

LABORATORY	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
LABORATORY	VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 1P)	AA0102 M3432
LABORATORY	VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P)	AA0102 M3072
LAMINATING	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
LAMINATION	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
LASER	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
LAYOUTS	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
LCW-SYSTEMS	RECOMMENDED CHANGES TO LCW-SYSTEMS TO ACCOMMODATE NEW LOADS (BEVATRON. W EATON, F CROSBY. 11/20/63, 3P)	BE0104 M3192
LEAD	A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)	AA0501 M3408
LEADS	CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 6/12/65, 13P)	RC0102 M3582
LEAK	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
LEAKS	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285
LEAST-SQUARES	LEAST-SQUARES TECHNIQUE USING MATRICES (R SCHWARZ. 7/29/63, 5P)	AA0123 M3109
LEAST-SQUARES	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 - R8/21/63, 5P)	AA0123 M3117A
LECTURE-NOTES	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P)	AA0123 M3489

LECTURE-NOTES	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P)	AA0123 M3488
LEG	MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)	AC0405 M3546
LEG	REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	AC0505 M3326
LEVELS	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
LH2	CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P)	AA0300 M3641
LH2	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
LIAISON	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)	AA0101 M3045
LIFTING	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
LIFTING	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
LIFTING	HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)	BE0610 M3115
LIFTING	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
LIFTING	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17
LIFTING	SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)	CA0202 M3126
LIFTING	STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
LIFTING	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
LIFTING	184-IN CYCLOTRON, GENERAL, HANDLING AND LIFTING EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE CA0102
LIGHTS	HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P)	AA0300 M3622

LINAC	ADVANCED-ACCELERATOR, LINAC INJECTOR (SEE THIS CODE IN SECTION II)	CODE AC0200
LINAC	ADVANCED-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II)	CODE AC0250
LINAC	ADVANCED-ACCELERATOR, LINAC INJECTOR, LINAC (SEE THIS CODE IN SECTION II)	CODE AC0250
LINAC	ADVANCED-ACCELERATOR, LINAC INJECTOR, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0220
LINAC	BEVATRON, INJECTOR-II, ION-GUN TO LINAC (SEE THIS CODE IN SECTION II)	CODE BE0904
LINAC	BEVATRON, INJECTOR-II, LINAC (SEE THIS CODE IN SECTION II)	CODE BE0905
LINAC	BEVATRON, INJECTOR-II, LINAC TO INFLECTOR (SEE THIS CODE IN SECTION II)	CODE BE0906
LINAC	FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
LINAC	INDEX TO BEVATRON LINAC ENGINEERING-NOTES (BEVATRON INJECTOR-II. R KILPATRICK. 12/18/63, 1P)	BE0905 M3215
LINAC	INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P)	AC0220 M3597
LINAC	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214
LINAC	LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
LINAC	LINAC TANKS (ADVANCED ACCELERATOR. W EATON. 6/10/65, 5P)	SPEC M381
LINKS	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17
LINKS	SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)	CA0202 M3126
LIQUEFIED	LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AB0102
LIQUID	A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P)	AC0406 M3531
LIQUID	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET) DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
LIQUID	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335

LIQUID	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)	AT0102 M3402
LIQUID	LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P)	RA0202 M3658
LIQUID	LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)	RC0102 M3458
LIQUID	LIQUID HYDROGEN INTERIM HANDLING (HYDROGEN SAFETY COMMITTEE. R BYRNS. 1/13/66, 1P)	AA0300 M3672
LIQUID	LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P)	AA0300 M3638
LIQUID	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
LIQUID	LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)	AB0102 M3050
LIQUID	LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY, CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.)	RC0103 M3749
LIQUID	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
LIQUID	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
LIQUID	REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P)	AA0112 M3636
LIQUID	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
LIQUID	SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)	AA0300 M3634
LIQUID	SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)	AA0300 M3634
LIQUID	TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)	AA0300 M3188A
LIQUID	UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)	AA0300 M3206



LIQUID	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)	RP0102 M3014
LIQUID-LEVEL-SYSTEM	LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P)	BE0801 M3596
LIQUID-LEVEL-SYSTEM	LIQUID-LEVEL-SYSTEM, INTERPRETING OUTPUT READINGS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 6/21/65, R6/24/65, 3P)	BE0801 M3583A
LIQUID-LEVEL-SYSTEM	LIQUID-LEVEL-SYSTEM, DESIGN CONSIDERATIONS AND CALCULATIONS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/13/65, 10P)	BE0801 M3598
LIQUID-LEVEL-SYSTEM	LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P)	BE0801 M3684
LIQUID-LEVEL-SYSTEM	LIQUID-LEVEL-SYSTEM, DATA RECORDING AND REDUCTION (BEVATRON EXTERNAL PROTON BEAM. S RICE. 1/26/66, 7P)	BE0801 M3678
LITTON-IND	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
LIVERMORE	ENGINEERING TECHNOLOGY FOR LIVERMORE (SEE THIS CODE IN SECTION II)	CODE AB0400
LOGARITHMIC	FORTAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
LONG-RANGE	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
LONG-SPAN	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
LOOP	DESIGN OF IMPROVED BUNCHER LOOP (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 11/18/65, 3P)	LA0102 M3633
LOOPS	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
LOSSES	GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTON. M GREEN. 12/20/65, 22P)	AC0303 M3649

LOSSES	PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P)	AC1120 M3682
LOW-CONDUCTIVITY	ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)	BE0104 M3112
LOW-CONDUCTIVITY	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)	CB0140 M3610
LOW-CONDUCTIVITY	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)	CB0140 M3618A
LOW-LEVEL	LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P)	RB0100 M3517A
LOW-POWER	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
LOW-PRESSURE	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493
LOW-PRESSURE	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
LOW-TEMPERATURE	CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE RC0102
LOW-TEMPERATURE	INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II)	CODE RA0203
LOW-TEMPERATURE	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
LOW-TEMPERATURE	THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P)	AA0107 M3691
LUBRICATION	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)	BE0706 M3080
MACHINE	DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P)	SPEC. M354
MACHINE	DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)	SPEC. M376

MACHINE	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
MACHINE	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/9/63, 3P)	RC0103 M3049
MACHINE	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/9/63, 3P)	RC0103 M3049
MACHINE	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/15/63 R7/3/63, 3P)	RC0103 M3051A
MACHINE	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/22/63, 1P)	RC0103 M3058
MACHINE	MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 7/3/63, 6P)	RC0103 M3090
MACHINE	MACHINE INSTALLATION BUILDING-70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBAL. 11/8/63, 4P)	RC0103 M3182
MACHINE	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
MAGNA	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
MAGNEHELIC	THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P)	AA0300 M3249
MAGNESIA	A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)	AA0500 M3425
MAGNET	A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
MAGNET	A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018)	AC0508 M3200
MAGNET	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0302
MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II)	CODE AC0402

MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II)	CODE AC0404
MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II)	CODE AC0405
MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II)	CODE AC0405
MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II)	CODE AC0406
MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0409
MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II)	CODE AC0411
MAGNET	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II)	CODE AC0410
MAGNET	ADVANCED-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0503
MAGNET	ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)	AC0501 M3526
MAGNET	ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)	BE0907 M3118A
MAGNET	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
MAGNET	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
MAGNET	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)	AC0505 M3261
MAGNET	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
MAGNET	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II)	CODE BE0706
MAGNET	BEVATRON, MAGNET CORE (SEE THIS CODE IN SECTION II)	CODE BE1201

MAGNET	BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II)	CODE BE1210
MAGNET	BEVATRON, MAGNET COIL (SEE THIS CODE IN SECTION II)	CODE BE1301
MAGNET	BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II)	CODE BE1305
MAGNET	BEVATRON, MAGNET POWER-SUPPLY (SEE THIS CODE IN SECTION II)	CODE BE1401
MAGNET	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
MAGNET	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
MAGNET	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
MAGNET	BREAK-EVEN CHART FOR COST OF COPPER VS ALUMINUM GRADIENT MAGNET COILS (ADVANCED ACCELERATOR MAIN RING MAGNETS. R KILPATRICK. 6/17/66, 1P)	AC0503 M3755
MAGNET	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)	LA0102 M3025
MAGNET	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)	AA0114 M3416
MAGNET	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M-2 MAGNET (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)	BE0907 M3132
MAGNET	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
MAGNET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
MAGNET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P)	CA0303 M3081
MAGNET	CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P)	AC0303 M3532
MAGNET	CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P)	AC0404 M3523

MAGNET	COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 2/3/65, 11P UCID 2458)	RC0102 M3496
MAGNET	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P)	AA0114 M3387
MAGNET	CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R MEUSER. 7/21/64, 3P)	AA0114 M3371
MAGNET	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
MAGNET	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
MAGNET	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
MAGNET	COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)	AC0405 M3553B
MAGNET	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)	AA0103 M3492
MAGNET	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)	LA0102 M3491
MAGNET	DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514)	AC0405 M3552A
MAGNET	DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
MAGNET	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
MAGNET	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
MAGNET	FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
MAGNET	FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P)	AA0114 M3570
MAGNET	FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P)	CA0202 M3353A

MAGNET	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)	RC0103 M3056
MAGNET	GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P)	AC0303 M3646
MAGNET	GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
MAGNET	GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P)	AC0302 M3680
MAGNET	GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)	AA0114 M3382B
MAGNET	INCREMENTAL MAGNET FABRICATION CONTRACT COSTS (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 5/19/66, 7P)	AC0500 M3746
MAGNET	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)	RA0204 M3121
MAGNET	INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P)	AC0501 M3259
MAGNET	INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P)	BE0705 M3590
MAGNET	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
MAGNET	LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)	AC0501 M3257
MAGNET	M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)	BE0804 M3094
MAGNET	M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/11/62, R2/11/63, 5/29/63, 4P)	SPEC. M345B
MAGNET	M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)	BE0803 M3016
MAGNET	M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)	BE0804 M3490
MAGNET	M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)	BE0804 M3177A

MAGNET	M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/10/63, R1/7/64, 3P)	SPEC. M362A
MAGNET	M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)	BE0804 M3176A
MAGNET	M-6 MAGNET (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 2/18/64, 3P)	SPEC. M364
MAGNET	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
MAGNET	MAGNET BUS-BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)	AC0500 M3468
MAGNET	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751
MAGNET	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED6/25/63, 54P)	BE1305 M3089
MAGNET	MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P)	RP0102 M3599
MAGNET	MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)	AA0114 M3191
MAGNET	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
MAGNET	MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)	AC0505 M3155
MAGNET	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
MAGNET	MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P)	SPEC M398
MAGNET	MAGNET COST-VS-WEIGHT GRAPHS, (SOURCE DATA AND REFERENCES, SUPPLEMENT TO ENGINEERING NOTE 3382. MECHANICAL ENGINEERING, GENERAL. R MEUSER. 3/29/65, 10P)	AA0114 M3524
MAGNET	MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)	AC0409 M3320



MAGNET	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
MAGNET	MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P)	AC0500 M3536
MAGNET	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
MAGNET	MAGNET M-5 MARK-2 DESIGN (BEVATRON-EXTERNAL PROTON BEAM TRANSPORT MAGNETS. D VORKOEPEP. 12/2/65, 6P)	BE0804 M3708
MAGNET	MAGNET NAME-PLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J HART. 2/10/65, 1P)	AA0114 M3502
MAGNET	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
MAGNET	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
MAGNET	MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P)	AC0406 M3579
MAGNET	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
MAGNET	MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)	AC0405 M3546
MAGNET	MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P)	AC0302 M3578
MAGNET	MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P)	AC0404 M3319
MAGNET	MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	BE1201 M3286
MAGNET	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
MAGNET	MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)	AC0501 M3453

MAGNET	MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)	AC0502 M3650
MAGNET	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692
MAGNET	POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)	RP0102 M3567
MAGNET	POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/21/64, 3P)	SPEC. M369
MAGNET	PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331)	AA0114 M3047
MAGNET	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
MAGNET	PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P)	AC0501 M3154
MAGNET	PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P)	BE1301 M3758
MAGNET	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)	BE0906 M3022
MAGNET	PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P)	SPEC. M367A
MAGNET	Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 1/24/63, R4/18/63, 4P)	SPEC. M344A
MAGNET	RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P)	BE0802 M3640
MAGNET	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
MAGNET	REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	AC0505 M3326
MAGNET	RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P)	AA0114 M3571

MAGNET	RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)	AC0500 M3238
MAGNET	STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332)	BE0906 M3057
MAGNET	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329
MAGNET	SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER. P HERNANDEZ. 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P)	AC0303 M3390C
MAGNET	TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P)	AC0303 M3676
MAGNET	TEMPERATURE-DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/8/64 R1/25/65, 17P.)	RC0102 M3411A
MAGNET	THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)	AC0303 M3715
MAGNET	TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)	AC0505 M3211
MAGNET	TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 5/27/65, 1P)	SPEC M379
MAGNET	UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P)	SPEC. M371
MAGNET	USEFUL FORMULAS FOR MAGNET COOLING (R MEUSER. 4/20/65, 6P)	AA0114 M3543
MAGNET	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
MAGNET	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
MAGNET	VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
MAGNET	VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P)	BE0708 M3102
MAGNET	VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
MAGNET	12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P)	BE0705 M3483
MAGNET	12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P)	SPEC M390A

MAGNET	12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744)	BE0705 M3667A
MAGNET	12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P)	SPEC. M346
MAGNET	12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P)	BE0705 M3700
MAGNET	16 X 36 C MAGNET (184-INCH CYCLOTRON. D ROTHFUSS. 12/13/65 R4/18/66, 5P)	SPEC M392A
MAGNET	18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)	BE0705 M3275
MAGNET	18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 5/15/63, 7P)	SPEC. M353
MAGNET	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
MAGNET	184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)	CA0101 M3554
MAGNET	25-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II)	CODE HE0102
MAGNET	72-IN HYDROGEN BUBBLE-CHAMBER, MAGNET (SEE THIS CODE IN SECTION II)	CODE HD0103
MAGNET	8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P)	BE0705 M3486
MAGNET	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)	SPEC. M3488
MAGNET	8-INCH-GAP MAGNET (BEVATRON EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 7/8/64, 4P)	SPEC. M368
MAGNET	8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438)	BE0706 M3349
MAGNET	88-IN CYCLOTRON, MECHANICAL, MAGNET (SEE THIS CODE IN SECTION II)	CODE CB0101
MAGNET	88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II)	CODE CB0103
MAGNET-ENCLOSURE	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P)	AC0300 M3258

MAGNET-SYSTEM	TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P)	AC1120 M3687
MAGNETIC	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
MAGNETIC	BEARING TESTS FOR APPLICATION IN VACUUM OF $1 \times 10^{-6}$ TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)	BE0702 M3732
MAGNETIC	CHANGES IN GRADIENT MAGNET GAP WIDTH DUE TO THE MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/5/65, 5P)	AC0303 M3532
MAGNETIC	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
MAGNETIC	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
MAGNETIC	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)	BE0907 M3010
MAGNETIC	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
MAGNETIC	POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)	RP0102 M3567
MAGNETIC	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
MAGNETIC	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
MAGNETIC	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
MAGNETITE	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
MAGNETO-OPTICAL	BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II)	CODE RC0501
MAGNETO-OPTICAL	INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)	BE0705 M3422
MAGNETO-OPTICS	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329

MAGNETO-STRICTION	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLIS. 6/28/65, 2P)	AA0501 M3600
MAGNETS	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0303
MAGNETS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0500
MAGNETS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II)	CODE AC0501
MAGNETS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0502
MAGNETS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0505
MAGNETS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0505
MAGNETS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0508
MAGNETS	ADVANCED-ACCELERATOR, BEAM EXTRACTION, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC1001
MAGNETS	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
MAGNETS	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64, 8P)	CB0201 M3438
MAGNETS	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64, 6P)	AC1001 M3451
MAGNETS	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II)	CODE BE0705
MAGNETS	BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0804
MAGNETS	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
MAGNETS	COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)	AB0103 M3018
MAGNETS	COST-ANALYSIS OF H-TYPE BENDING MAGNETS (ADVANCED ACCELERATOR, BEAM TRANSPORT FROM INJECTOR SYNCHROTRON. M GREEN. 7/1/65, 38P)	AC0301 M3591
MAGNETS	CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)	AC0505 M3254

MAGNETS	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
MAGNETS	FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)	AA0114 M3026
MAGNETS	GRADIENT AND AUXILIARY MAGNETS, ESTIMATED CORE LOSSES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/20/65, 22P)	AC0303 M3649
MAGNETS	GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)	SPEC. M374
MAGNETS	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
MAGNETS	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214
MAGNETS	LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341)	AA0114 M3383A
MAGNETS	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
MAGNETS	MAGNETS, SOLENOIDS, COILS (SEE THIS CODE IN SECTION II)	CODE AA0114
MAGNETS	METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)	BE0907 M3131
MAGNETS	MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P)	SPEC M386C
MAGNETS	NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P)	SPEC. M365
MAGNETS	POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P)	AC1120 M3541
MAGNETS	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
MAGNETS	PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)	AC0500 M3181

MAGNETS	PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)	AC0500 M3248
MAGNETS	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLLES, A VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
MAGNETS	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440
MAGNETS	PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P)	AC1120 M3682
MAGNETS	QB MAGNETS, COOLING REQUIREMENTS AND DRIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)	BE0705 M3480
MAGNETS	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
MAGNETS	SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P)	RA0200 M3558
MAGNETS	SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)	AC0404 M3522
MAGNETS	TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P)	AC0250 M3710
MAGNETS	TARGET MAGNETS, DYNAMIC CHARACTERISTICS (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 2P)	AC1120 M3665
MAGNETS	TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P)	AC1120 M3664
MAGNETS	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
MAGNETS	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
MAGNETS	12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P)	SPEC M378



MAGNETS	184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS (SEE THIS CODE IN SECTION II)	CODE CA0303
MAGNETS	8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)	BE0705 M3061
MAGNETS	88-IN CYCLOTRON, ACCESSORY EQUIPMENT, EXTERNAL BEAM MAGNETS (SEE THIS CODE IN SECTION II)	CODE CB0201
MAIN-RING	ADVANCED-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0503
MAIN-RING	AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P)	AC0800 M3519
MAINTENANCE	COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)	BE0905 M3108
MAINTENANCE	HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II)	CODE LA0101
MAINTENANCE	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751
MAINTENANCE	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
MAINTENANCE	TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II)	CODE AT0101
MAINTENANCE	184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II)	CODE CA0101
MANIFOLD	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
MANIPULATION	ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
MANIPULATOR	SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P)	AC1300 M3535A
MANIPULATOR	SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740)	AC1300 M3662
MANUAL	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751

MAPPING	FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P)	AA0114 M3570
MATERIAL	CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 6/12/65, 13P)	RC0102 M3582
MATERIAL	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
MATERIAL	MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363)	AC0801 M3292A
MATERIAL	STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
MATERIALS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0502
MATERIALS	ADVANCED-ACCELERATOR, MAIN-RING MAGNET COIL MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0503
MATERIALS	BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P)	AA0300 M3628
MATERIALS	COMPARATIVE STUDY OF VACUUM-CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)	AC0801 M3227
MATERIALS	COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)	AC0701 M3654
MATERIALS	COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/4/65, 12P)	AC1110 M3577
MATERIALS	COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS, PART 2 (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/22/65, 6P)	AC1110 M3585
MATERIALS	CRYOGENIC COOLDOWN DATA FOR VARIOUS MATERIALS (INORGANIC MATERIALS RESEARCH, FIELD ION MICROSCOPE. W CHAMBERLAIN. 12/15/65, 2P)	RA0202 M3657
MATERIALS	INORGANIC MATERIALS RESEARCH (SEE THIS CODE IN SECTION II)	CODE RA0200
MATERIALS	INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0201

MATERIALS	INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0202
MATERIALS	INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II)	CODE RA0203
MATERIALS	INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II)	CODE RA0203
MATERIALS	INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II)	CODE RA0204
MATERIALS	PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0107
MATERIALS	PROPERTIES OF MISCELLANEOUS MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0109
MATERIALS	PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0106
MATERIALS	VACUUM PRACTICES, EQUIPMENT, MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0112
MATERIALS	VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/30/65, 12P)	AC0305 M3530
MATHEMATICAL	MATHEMATICAL SUPPORT (SEE THIS CODE IN SECTION II)	CODE AA0126
MATHEMATICAL	REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R-SCHWARZ. 6/13/63, 17P)	AA0126 M3078
MATHEMATICS	MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. (SEE THIS CODE IN SECTION II)	CODE AA0123
MATRICES	LEAST-SQUARES TECHNIQUE USING MATRICES (R-SCHWARZ. 7/29/63, 5P)	AA0123 M3109
MATRICES	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R-SCHWARZ. 8/20/63 R8/21/63, 5P)	AA0123 M3117A
MCLEOD	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)	AA0112 M3364A
MEASUREMENT	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
MEASUREMENT	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
MEASUREMENT	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
MEASUREMENTS	TANK LEVEL AND END DEFLECTION MEASUREMENTS (HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P)	LA0103 M3549

MEASURING	ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)	AA0501 M3426
MEASURING	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
MEASURING	MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P)	AC0406 M3579
MEASURING	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
MEASURING	WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
MEASURING-PROJECTOR	MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
MEASURING-PROJECTOR	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
MECHANICAL	BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)	CB0100 M3428
MECHANICAL	COST ESTIMATE, BEAM EXTRACTION-SYSTEM MECHANICAL COMPONENTS (ADVANCED ACCELERATOR. W SALSIG. 4/9/65, 6P)	AC1001 M3561
MECHANICAL	COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)	AC0200 M3506
MECHANICAL	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
MECHANICAL	EXPERIMENTAL-AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
MECHANICAL	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
MECHANICAL	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482

MECHANICAL	MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584)	AC0300 M3568
MECHANICAL	MECHANICAL ENGINEERING, GENERAL (SEE THIS CODE IN SECTION II)	CODE AA0100
MECHANICAL	MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)	AC0101 M3216
MECHANICAL	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
MECHANICAL	MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)	RA0200 M3274
MECHANICAL	MECHANICAL TECHNICIANS, GENERAL (SEE THIS CODE IN SECTION II)	CODE AA0500
MECHANICAL	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
MECHANICAL	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
MECHANICAL	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
MECHANICAL	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
MECHANICAL	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
MECHANICAL	PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)	AB0105 M3608
MECHANICAL	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
MECHANICAL	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
MECHANICAL	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A

MECHANICAL	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
MECHANICAL	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
MECHANICAL	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467
MECHANICAL	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)	AA0101 M3045
MECHANICAL	UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783)	BE0702 M3731
MECHANICAL	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
MECHANICAL	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
MECHANICAL	36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
MECHANICAL	88-IN CYCLOTRON, MECHANICAL (SEE THIS CODE IN SECTION II)	CODE CB0100
MECHANICAL	88-IN CYCLOTRON, MECHANICAL, MAGNET (SEE THIS CODE IN SECTION II)	CODE CB0101
MECHANICAL	88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II)	CODE CB0103
MECHANICAL	88-IN CYCLOTRON, MECHANICAL, DEE (SEE THIS CODE IN SECTION II)	CODE CB0112
MECHANICAL	88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II)	CODE CB0120
MECHANICAL	88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II)	CODE CB0121
MECHANICAL	88-IN CYCLOTRON, MECHANICAL, DEFLECTOR (SEE THIS CODE IN SECTION II)	CODE CB0125
MECHANICAL	88-IN CYCLOTRON, MECHANICAL, ION-SOURCE (SEE THIS CODE IN SECTION II)	CODE CB0130

MECHANICAL	88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II)	CODE CB0140
MECHANICS	MECHANICS (SEE THIS CODE IN SECTION II)	CODE 0129
MECHANISM	ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
MECHANISM	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
MECHANISM	WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)	AC1300 M3626
MECHANISMS	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
MECHANISMS	DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514)	AC0405 M3552A
MEDICAL	BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II)	CODE RB0101
MEDICINE	BIOLOGY AND MEDICINE RESEARCH (SEE THIS CODE IN SECTION II)	CODE RB0100
MEDICINE	BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II)	CODE RB0101
MEDICINE	BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAGE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II)	CODE RB0104
MEDICINE	BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II)	CODE RB0108
MEETING	AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMAND. 3/23/64, 11P)	AA0102 M3288
MEETING	BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)	AA0102 M3174
MEETING	ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)	AA0300 M3268
MEETING	MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P)	AA0102 M3589
MEETING	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
MEETING	MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P)	AA0102 M3184

MEETING	REPORTS, TRIP, MEETING, CONFERENCE (SEE THIS CODE IN SECTION II)	CODE AA0102
MEMBRANE	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
MERCURY	MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)	RP0103 M3445
MERCURY-VAPOR	HAZARD OF MERCURY-VAPOR LIGHTS ABOVE THE 25-INCH BUBBLE-CHAMBER BLOCK-HOUSE (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 10/18/65, 1P)	AA0300 M3622
MESIC	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
MESON	MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P)	CA0100 M3724
METAL	EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 7P)	AC0305 M3527
METAL	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
METAL	THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O'CONNELL. 5/3/63, 2P)	AA0503 M3107
METALLURGY	INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II)	CODE RA0204
METALS	AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P)	AA0102 M3288
METALS	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
METCO-110	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
METER	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
METHANE	OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469
METHANE	2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
METHYL-METHACRYLATE	METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORNGREN. 6/30/66, 4P)	HD0202 M3774



MG-SET	MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P)	BE0902 M3494
MG-SET	REDUCTION OF VIBRATION CAUSED BY MG-SET (BEVATRON INJECTOR-II ION GUN HIGH-VOLTAGE TERMINAL. W EATON. 4/12/63, 3P)	BE0903 M3028
MICROFILM	MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P)	SPEC M383
MICROFILM	MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P)	AA0102 M3184
MICROFILM	NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)	AA0102 M3768
MICROFILM	NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)	AA0102 M3768
MICROFILM-SYSTEM	PROPOSAL FOR MICROFILM-SYSTEM (MECHANICAL ENGINEERING DEPARTMENT, DRAFTING ROOM PRACTICES AND PROCEDURES. P BEAN. 6/15/65, 16P UCID 2631)	AA0125 M3605
MICROFILMING	MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P)	AA0102 M3184
MICROFORUM	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
MICROFORUM	TECHNICAL INFORMATION-SYSTEM AND CURRENT-AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P)	AA0102 M3253
MICROSCOPE	FIELD-ION MICROSCOPE CRYOGENIC DATA AND PRESENT COST (INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 1/14/66, 1P)	RA0202 M3673
MICROSCOPE	LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P)	RA0202 M3658
MICROSCOPE	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P)	AA0300 M3620
MICROSCOPE	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P)	AA0300 M3671

MINNESOTA-MINING-CO	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
MINUTES	MINUTES OF HYDROGEN SAFETY COMMITTEE (SEE THIS CODE IN SECTION 11)	CODE AA0300
MIRROR	MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P)	BE0701 M3734
MIRROR	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLDS, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
MIRROR	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLDS. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A
MIRROR-TYPE	A MIRROR-TYPE LIQUID LEVEL DETECTOR (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 3/31/65, 7P)	AC0406 M3531
MIRRORS	IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 2/16/66, 2P)	HD0103 M3696
MIXING	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518
MODEL	COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P)	RB0108 M3129
MODEL	LIQUID HELIUM CONSUMPTION OF MODEL A FIELD-ION MICROSCOPE (PER DRAWING 12M8126A, INORGANIC MATERIALS RESEARCH DIVISION. W CHAMBERLAIN. 12/21/65, 21P)	RA0202 M3658
MODEL	MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P)	SPEC M386C
MODEL	MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)	AC0502 M3650
MODEL	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681

MODEL	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
MODEL	RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)	MN0201 M3674
MODELING	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
MODULUS	HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORNGREN. 6/16/66, 1P)	AA0106 M3764
MOLECULAR	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
MOLECULAR	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
MOLECULAR	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRING. 11/11/65, 3P)	RA0200 M3629
MOLECULAR	MOLECULAR EXCITATION APPARATUS, COST ESTIMATE (RADIATION CHEMISTRY I, NEWTON. G MINER. 3/17/66, 3P)	RC0107 M3711
MOLECULAR	MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334)	AA0112 M3148
MOMENTS	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
MONEY	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
MONITORING	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
MONITORING	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
MOTION	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360

MOTOR	WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)	AC1300 M3626
MOTOR-GENERATOR	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)	BE0706 M3080
MOTOR-GENERATOR-SET	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
MOUNTING	A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)	AA0503 M3105
MOUNTING	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518
MOUNTING	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORRGREN. 6/21/66, 5P)	HD0202 M3765
MOUNTING	TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORRGREN. 6/27/66, 3P)	HD0202 M3771
MOUNTS	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
MOYER-HELMHOLZ	PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP (SEE THIS CODE IN SECTION II)	CODE RP0101
MU-METAL	HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)	SPEC. M370
MULTI-ORIFICE	MULTI-ORIFICE FOR FLOWSWITCH, DESIGN AND FLOW-CHECK (BEVATRON INJECTOR-II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411)	BE0905 M3346A
MULTIPULSING	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)	HE0106 M3290
MUON	MESON CAVE, MUON CHANNEL, COST ESTIMATE (184 CYCLOTRON, PROPOSED IMPROVEMENT. L GLASGOW. 4/7/66, 3P)	CA0100 M3724
MYLAR	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
NAME-PLATES	MAGNET NAME-PLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J HART. 2/10/65, 1P)	AA0114 M3502

NATURAL	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
NATURAL	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
NATURAL	NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)	AC0404 M3283
NEON	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P)	AB0101 M3352
NEON	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)	BE0709 M3278
NEUTRON	SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)	AC1200 M3514
NEWTON	CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II)	CODE RC0107
NITROGEN	LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)	AB0102 M3050
NITROGEN	LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY, CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.)	RC0103 M3749
NITROGEN	OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
NITROGEN	REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P)	AA0112 M3636
NITROGEN	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)	BE0709 M3356
NOISE	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)	CB0140 M3610
NOISE	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)	CB0140 M3618A
NON-BURNING	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
NON-DESTRUCTIVE	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17

NON-DESTRUCTIVE	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
NONLINEARITY	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
NOZZLES	BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II)	CODE BE1805
NUCLEAR	CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE RC0102
NUCLEAR	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
NUCLEAR	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
NUMBERING-SYSTEM	ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P)	AA0128 M3228B
NUMBERING-SYSTEM	SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)	CA0203 M3325
NUT	ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)	AA0501 M3426
O-RING	J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
O-RING	J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)	AA0117 M3175A
O-RINGS	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
OBJECT-SPACE	CAMERA OBJECT-SPACE DIMENSIONS (80-INCH BNL BUBBLE-CHAMBER, STEREO IMAGE CALIBRATION. D NORGREN. 1/6/66, 1P UCID 2742)	HF0101 M3663
ODORLESS	SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P)	AA0300 M3721
OFHC	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366
OIL	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)	BE0503 M3276A

OIL	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
OIL	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
OIL-SEALED	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
OIL-SEALED	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
OIL-SEALED	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
OMNITRON	OMNITRON, SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE MN0201
OPERATING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
OPERATING	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
OPERATING	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
OPERATING	INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P)	BE0705 M3590
OPERATING	OPERATING INSTRUCTIONS AND CHECKLIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
OPERATING	OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
OPERATING	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
OPERATING	SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P)	AC1300 M3535A
OPERATING	TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTRIPPER. J HAUGHIAN. 7/13/65, 6P)	LA0107 M3595

OPERATING	1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)	AT0101 M3251
OPERATING	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECKLIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)	BE0709 M3356
OPERATION	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
OPERATION	BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P)	AA0300 M3209
OPERATION	CRANE OPERATION OVER THE 25-INCH BUBBLE-CHAMBER AREA IN THE BEVATRON BUILDING (HYDROGEN SAFETY COMMITTEE. W HARTSOUGH. P HERNANDEZ. G ECKMAN. 2/25/66, 1P)	AA0300 M3701
OPERATION	DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P)	CB0125 M3655
OPERATION	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
OPERATION	HEAVY-ION ACCELERATOR, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II)	CODE LA0101
OPERATION	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)	BE0702 M3036
OPERATION	HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
OPERATION	LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P)	AA0300 M3638
OPERATION	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751
OPERATION	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
OPERATION	PROPANE BUBBLE-CHAMBERS, OPERATION (SEE THIS CODE IN SECTION II)	CODE PC0101
OPERATION	TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II)	CODE AT0101
OPERATION	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)	AA0112 M3364A



OPERATION	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
OPERATION	12QB MAGNET CRADLE, OPERATION (BEVATRON EXPERIMENTAL FACILITIES AUXILIARY MAGNETS AND STANDS. V FLETCHER. 2/25/66, 2P)	BE0705 M3700
OPERATION	18-PCT DUTY-FACTOR OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
OPERATION	184-IN CYCLOTRON, GENERAL, OPERATION AND MAINTENANCE (SEE THIS CODE IN SECTION II)	CODE CA0101
OPERATION	2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
OPERATION	25-IN HYDROGEN BUBBLE-CHAMBER, OPERATION (SEE THIS CODE IN SECTION II)	CODE HE0106
OPERATION	36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
OPERATION	80-IN BNL BUBBLE-CHAMBER CAMERA, ECONOMICS OF OPERATION (SEE THIS CODE IN SECTION II)	CODE HF0102
OPERATIONS	CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P)	BE0701 M3726A
OPERATIONS	HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)	AA0300 M3630
OPERATIONS	OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469
OPERATIONS	1000-PSI CERENKOV COUNTER USING CO2 OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)	BE0709 M3594
OPERATIONS	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728

OPERATIONS	160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)	BE0709 M3694
OPERATIONS	290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)	BE0709 M3670
OPERATIONS	290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)	BE0709 M3693
OPERATIONS	485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, KI-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)	BE0709 M3592
OPTICAL	ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P)	AC0406 M3688
OPTICAL	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLES. 6/28/65, 2P)	AA0501 M3600
OPTICAL	ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORGREN. 6/13/66, 2P)	AA0130 M3760
OPTICAL	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE-CHAMBER, ENGINEERING AND FABRICATION. D NORGREN. 8/11/64 R5/6/65, 3P UCID 2347)	HE0106 M3386A
OPTICAL	IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 9P)	HD0202 M3716
OPTICAL	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
OPTICAL	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
OPTICAL	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482

OPTICAL	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
OPTICAL	OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)	RC0501 M3152
OPTICAL	OPTICAL INSTRUMENTATION AND TOOLING (SEE THIS CODE IN SECTION II)	CODE AA0501
OPTICAL	OPTICAL PRACTICES AND EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AA0130
OPTICAL	PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P)	HD0202 M3775
OPTICAL-SYSTEM	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
OPTICAL-SYSTEM	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
OPTICS	HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORGREN. 9/25/63, 1P)	HE0105 M3149
OPTICS	25-IN HYDROGEN BUBBLE-CHAMBER, CAMERA OPTICS (SEE THIS CODE IN SECTION II)	CODE HE0105
OPTICS	82-INCH BUBBLE-CHAMBER, OPTICS (SEE THIS CODE IN SECTION II)	CODE HD0203
OPTIMIZATION	MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363)	AC0801 M3292A
OPTIMIZATION	OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P)	AC0305 M3773
OPTIMIZATION	TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P)	AC1120 M3687
OPTIMIZATION	THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)	AC0303 M3715
ORGANIC	PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0106
ORGANIC	THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O'CONNELL. 5/3/63, 4P)	AA0503 M3104

ORIFICE	QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)	BE0705 M3480
OSCILLATOR	BEVATRON, ACCELERATING-SYSTEM, OSCILLATOR AMPLIFIER-SYSTEM (SEE THIS CODE IN SECTION II)	CODE BE0503
OUTGASSING	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
OUTGASSING	PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)	LA0107 M3611
OVER-TEMPERATURE	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
OVERHEAD	OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P)	AC1120 M3652
OVERHEAD	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
OVERHEAD	THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)	AC1120 M3648
OVERLAPPING	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)	AC0406 M3603
OVERLAPPING	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P)	AC0406 M3607
OXYGEN	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
OXYGEN-CONTENT	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
PACKAGE	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
PACKAGING	DIAGNOSTIC INSTRUMENT PACKAGING (SEE THIS CODE IN SECTION II)	CODE AB0402

PAD	DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)	HE0103 M3101
PANCAKE	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
PARALLEL-PLATE	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
PARAMETER	PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 12/21/64, 17P)	AC0300 M3471
PARAMETER	SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER. P HERNANDEZ. 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P)	AC0303 M3390C
PARAMETERS	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II)	CODE AC0501
PARAMETERS	CROSS-SECTION PARAMETERS FOR DEEP BEAMS (8-FT TO 15-FT DEEP, ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W SALSIG. 1/24/64, 7P)	AC0404 M3242
PARAMETERS	LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)	AC0501 M3257
PARAMETERS	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653
PARAMETERS	PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P)	AC0301 M3580
PARAMETERS	THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)	AC1120 M3648
PARAMETERS	THE OPTIMIZATION OF MAGNET DESIGN PARAMETERS BY THE USE OF THE PRINCIPLES OF ENGINEERING ECONOMY (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNETS. J DORWARD. 3/23/66, 25P)	AC0303 M3715
PARAMETERS	VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/30/65, 12P)	AC0305 M3530

PARKER	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
PARTICLE	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
PARTICLE	BROOKHAVEN NATIONAL LABORATORY, PARTICLE ACCELERATOR CONFERENCE (MARCH 8-12, 1965, TRIP AND CONFERENCE REPORT. M GREEN. 4/12/65, 8P)	AA0102 M3540
PARTICLE	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
PARTICLE	PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)	AA0102 M3539
PARTICLES	BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II)	CODE BE1130
PATIENT	ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P)	RB0104 M3521
PATIENT	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301
PATIENT	PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)	RB0108 M3308B
PATTERN	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
PATTERN	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
PATTERN	SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P)	SPEC M387
PEDESTAL	11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)	RB0101 M3725
PENETRATIONS	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767
PEREZ	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454

PEREZ	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P)	RP0101 M3493
PEREZ	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P)	RP0101 M3495
PERFORMANCE	CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P)	CB0120 M3740
PERFORMANCE	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
PERFORMANCE	LIQUID-LEVEL-SYSTEMS, PERFORMANCE, COSTS, AND RECOMMENDATIONS (BEVATRON EXTERNAL PROTON BEAM. S RICE. 2/4/66, 4P)	BE0801 M3684
PERFORMANCE	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
PERFORMANCE	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
PERFORMANCE	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
PERFORMANCE	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
PERFORMANCE	PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)	AB0105 M3608
PERFORMANCE	PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P)	CB0120 M3733
PERFORMANCE	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
PERFORMANCE	RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P)	CB0120 M3744A
PERFORMANCE	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
PERMATEx	INVESTIGATION OF PERMATEx NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403)	CB0121 M3359

PERMENDUR	VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
PERSONNEL	ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II)	CODE AC1200
PERSONNEL	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
PHELPS-DODGE	VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
PHENOLIC-CANVAS	HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)	RC0100 M3748
PHOTOGRAPHIC-IMAGE	IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORNGREN. 3/25/66, 9P)	HD0202 M3716
PHYSICS	BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II)	CODE RB0101
PHYSICS	INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0202
PHYSICS	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
PHYSICS	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
PHYSICS	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
PHYSICS	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
PHYSICS	PHYSICS RESEARCH, ALVAREZ GROUP (SEE THIS CODE IN SECTION II)	CODE RP0103
PHYSICS	PHYSICS RESEARCH, CROWE GROUP (SEE THIS CODE IN SECTION II)	CODE RP0104
PHYSICS	PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP (SEE THIS CODE IN SECTION II)	CODE RP0101
PHYSICS	PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP (SEE THIS CODE IN SECTION II)	CODE RP0102
PHYSICS	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125
PHYSICS	184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II)	CODE CA0202



PIA	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692
PILE	LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520)	AC0404 M3557
PILE	LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)	AC0402 M3398
PILE	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
PILE-SYSTEMS	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
PILES	COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)	AC0402 M3551A
PILES	GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P)	AC0302 M3680
PIN	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
PIPE	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
PIPE	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
PISTON	TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORRGREN. 6/27/66, 3P)	HD0202 M3771
PIT	88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II)	CODE CB0140
PLACOS	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745

PLANES	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A
PLANETARY	MICROFILM CAMERA, 35MM, PLANETARY (P BEAN. 8/11/65, 4P)	SPEC M383
PLASTIC	ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P)	AA0106 M3741
PLASTIC	CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 2P)	HD0202 M3717
PLASTIC	CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 3/30/66, 9P)	HD0202 M3720
PLASTIC	HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P)	AA0106 M3764
PLASTIC	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P)	HD0202 M3765
PLASTIC	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
PLASTIC	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
PLASTIC	PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P)	HD0202 M3775
PLASTIC	RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P)	HD0202 M3757
PLASTIC	SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P)	HD0202 M3713
PLASTIC	TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P)	HD0202 M3771
PLASTICS	INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II)	CODE AB0108
PLASTICS	TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)	AA0102 M3260

PLASTICS	21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P)	AA0102 M3538
PLATE	MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P)	SPEC M4018
PLATE	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
PLATE	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501
PLATE	STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P)	SPEC M395
PLATES	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
PLATES	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
PLATES	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
PLATFORM	BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II)	CODE RB0104
PLATFORM	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BE0601 M3207
PLATFORM	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
PLOT	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
PLOT	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501
PLOTTER	FORTAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
PLOTTING	FORTAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337

PLUG	HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)	AA0300 M3630
PLUG	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
PLUNGER	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)	BE0702 M3036
PLUNGER	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
PLUNGING	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
PLUNGING	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
POLARITY	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
POLARIZED	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692
POLARIZED	POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)	RP0102 M3567
POLE-ANGLE	TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P)	AC0250 M3710
POLE-BASE	BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II)	CODE BE1210
POLE-FACE	GRADIENT MAGNET POLE-FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
POLE-PIECE	POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)	CB0120 M3604
POLE-TIP	BEVATRON, MAGNET CORE, POLE-TIP AND POLE-BASE (SEE THIS CODE IN SECTION II)	CODE BE1210
POLE-TIP	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
POLE-TIPS	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157

POLE-TIPS	VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
POLICY	DEPARTMENTAL POLICY (SEE THIS CODE IN SECTION II)	CODE AA0200
POLICY	ENGINEERING-NOTE POLICY. (R BURLEIGH, J TURNER. 11/3/65 R12/1/65, 1P)	AA0200 M3623A
POLISHING	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
POLYESTER	COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)	AT0102 M3197
POLYESTER	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
POLYETHYLENE	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
POLYETHYLENE	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
POLYNOMIAL	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P)	AA0123 M3117A
POLYTECHNIC	1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P)	AA0102 M3588
PONTIAC	PARTICLE ACCELERATOR CONFERENCE, PONTIAC PLANT, BROOKHAVEN AND ARGONNE NATIONAL LABORATORIES (TRIP REPORT. K LOU. 4/8/65, 7P)	AA0102 M3539
PORTABILITY	ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P)	RB0104 M3521
POSITION	ION-SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)	CB0130 M3059
POSITION	MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P)	AC0406 M3579
POSITION	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
POSITIONER	ANALYSIS OF PORTABILITY OF PATIENT POSITIONER (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. L GLASGOW. 3/26/65, 2P)	RB0104 M3521
POSITIONER	BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II)	CODE RB0104

POSITIONER	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
POSITIONER	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301
POSITIONER	PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)	RB0108 M33088
POSITIONING	A MINIATURE POSITIONING UNIT FOR STABLE, MULTI-COORDINATE APPLICATIONS (J WILTENS. 7/31/64, 7P)	AA0501 M3403
POSTSTRIPPER	POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
POSTSTRIPPER	PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P)	LA0107 M3576
POSTSTRIPPER	PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)	LA0107 M3611
POTTING	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)	LA0102 M3491
POTTING	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)	BE0906 M3022
POWER	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORRGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335
POWER	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)	BE0907 M3010
POWER	100-PCT DUTY-FACTOR OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
POWER-DISSIPATION	36-PCT AND 100-PCT DUTY-FACTOR OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY-ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064

POWER-FAILURE	PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRING. 2/28/66, 2P)	AA0300 M3704
POWER-REQUIREMENTS	POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR) EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P)	AC1120 M3541
POWER-SUPPLIES	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II)	CODE BE0706
POWER-SUPPLIES	BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0708
POWER-SUPPLIES	BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0804
POWER-SUPPLIES	INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)	AA0300 M3085
POWER-SUPPLIES	POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPEP. 1/29/64, 2P)	CB0103 M3250
POWER-SUPPLY	BEVATRON, MAGNET POWER-SUPPLY (SEE THIS CODE IN SECTION II)	CODE BE1401
POWER-SUPPLY	POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/21/64, 3P)	SPEC. M369
POWER-SUPPLY	TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P)	AC1120 M3664
PRECAST	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
PRECIOUS	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
PRECISION	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
PRECISION	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A
PRECISION-SCIENTIFI	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478

PRELOAD	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 6/21/66, 5P)	HD0202 M3765
PRELOAD	PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P)	HD0202 M3775
PRELOADING	TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 6/27/66, 3P)	HD0202 M3771
PRESSURE	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
PRESSURE	CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)	BE0701 M3702
PRESSURE	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
PRESSURE	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)	AC0800 M3134
PRESSURE	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)	AC0800 M3281
PRESSURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
PRESSURE	HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
PRESSURE	PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. 5/24/65, 4P)	RA0203 M3569
PRESSURE	PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. 5/24/65, 4P)	RA0203 M3569
PRESSURE	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
PRESSURE	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110



PRESSURE	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
PRESSURE	SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66; 8P)	AA0300 M3772
PRESSURE	SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II)	CODE AA0117
PRESSURE	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
PRESSURE	VESSELS, VACUUM, PRESSURE (SEE THIS CODE IN SECTION II)	CODE AA0113
PRESSURE-TIME	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P)	AC0250 M3587
PRESSURE-TIME	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517)	AC0800 M3510A
PRESSURIZATION	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)	BE0709 M3278
PRESTRIPPER	ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)	LA0108 M3613
PRESTRIPPER	HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II)	CODE LA0108
PRESTRIPPER	PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P)	LA0107 M3576
PRESTRIPPER	PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)	LA0107 M3611
PRESTRIPPER	PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
PRESTRIPPER	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
PRESTRIPPER	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
PRINCETON	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 8/24/64, 12P)	AC0300 M3407

PRINCETON-PENN	AN ESTIMATE OF THE GRADIENT MAGNET CONSTRUCTION COST IN 1966 FOR THE BROOKHAVEN AGS, THE CAMBRIDGE ELECTRON ACCELERATOR, THE PRINCETON-PENN ACCELERATOR (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON MAGNET COST ESTIMATES. J DORWARD. 2/16/66, 15P)	AC0303 M3698
PRINT	DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P)	SPEC. M354
PRINT	DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)	SPEC. M376
PRINTED-CIRCUIT	25-LINES-PER-INCH PRINTED-CIRCUIT BOARD (A WATANABE. R FULTON. 10/8/65, 1P)	SPEC M388
PROBE	ION-SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
PROBE	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)	CA0206 M3477B
PROBES	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
PROCEDURE	A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D D CONNELL. 5/3/63, 1P)	AA0503 M3106
PROCEDURE	CONVEYOR LINE FACILITY, BUILDING-171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)	AB0400 M3120A
PROCEDURE	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
PROCEDURE	EPON-934 EPOXY ADHESIVE MIXING DIRECTIONS AND KLIXON BLOCK MOUNTING PROCEDURE (184 CYCLOTRON, ACCELERATOR IMPROVEMENTS. L GLASGOW. 11/11/64, 2P)	CA0200 M3518
PROCEDURE	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
PROCEDURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
PROCEDURE	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
PROCEDURE	INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P)	AC0220 M3597

PROCEDURE	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
PROCEDURE	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, GENERAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65 R1/20/66 R2/11/66, 7P)	CA0206 M3477B
PROCEDURE	MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P)	BE0902 M3494
PROCEDURE	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
PROCEDURE	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
PROCEDURE	PROCEDURE FOR USE OF MAIN MAGNET COIL FIRE-FIGHTING EQUIPMENT. (REFERENCE DRAWING 14N9676, BEVATRON, MAGNET COIL. V FLETCHER. 6/10/66, 5P)	BE1301 M3758
PROCEDURE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
PROCEDURE	1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)	AT0101 M3251
PROCEDURE	1000-PSI CERENKOV COUNTER USING CO <sub>2</sub> OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON. J FIEDLER. 7/8/65, 2P)	BE0709 M3594
PROCEDURE	2000-P.S.I. METHANE COUNTER OPERATION CHECKLIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
PROCEDURE	290-PSI CERENKOV COUNTER USING ETHANE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. J FIEDLER. 1/12/66, 3P)	BE0709 M3670
PROCEDURE	290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)	BE0709 M3693
PROCEDURES	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A
PROCEDURES	ADMINISTRATIVE METHODS AND PROCEDURES (SEE THIS CODE IN SECTION II)	CODE AA0101

PROCEDURES	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLDS. 6/28/65, 2P)	AA0501 M3600
PROCEDURES	BIBLIOGRAPHY OF LITERATURE ON HAZARDOUS MATERIALS AND ASSOCIATED EQUIPMENT AND PROCEDURES (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/3/65, 7P)	AA0300 M3628
PROCEDURES	CERENKOV COUNTER OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3/29/66, 4P)	BE0701 M3726A
PROCEDURES	DRAFTING-ROOM PRACTICES AND PROCEDURES (SEE THIS CODE IN SECTION II)	CODE AA0125
PROCEDURES	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
PROCEDURES	OPERATIONS CHECKLIST AND PROCEDURES, METHANE COUNTERS 2000-P.S.I. AND 300-P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469
PROCEDURES	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
PROCEDURES	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728
PROCEDURES	160-PSI CERENKOV COUNTER USING FREON-13, OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA, POWELL BIRGE GROUP. J FIEDLER. 2/17/66, 2P)	BE0709 M3694
PROCEDURES	485-PSI CERENKOV COUNTER USING FREON-13 OPERATIONS CHECKLIST AND PROCEDURES (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF CALIFORNIA AT SAN DIEGO, K1-K2 INTERFERENCE. J FIEDLER. 7/7/65, 2P)	BE0709 M3592
PROCESSING	FILM AND PROCESSING COST, A COMPARISON (80-INCH BNL BUBBLE CHAMBER CAMERA-ECONOMICS OF OPERATION. D NORGREN. 1/10/66, 2P UCID 2743)	HF0102 M3669
PROCESSOR PROGRAM	FILM PROCESSOR, 35MM (P BEAN. 8/16/65, 2P) MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	SPEC M384 BE1201 M3286

PROGRAM	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
PROGRAM	MODEL MAGNET PROGRAM AND CORE FABRICATION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 12/21/65, 16P UCID 2732)	AC0502 M3650
PROGRAMMED	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)	AA0123 M3393
PROGRAMMED	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)	AA0123 M3394
PROGRAMMING	MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. (SEE THIS CODE IN SECTION II)	CODE AA0123
PROGRAMS	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
PROGRAMS	CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)	AA0123 M3347
PROGRESS-REPORT	CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)	RC0103 M3505
PROGRESS-REPORT	CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P)	RC0103 M3699
PROGRESS-REPORTS	ADVANCED-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II)	CODE AC0101
PROPANE	PROPANE BUBBLE-CHAMBERS, OPERATION (SEE THIS CODE IN SECTION II)	CODE PC0101
PROPERTIES	CRYOGENIC ELECTRICAL LEADS, OPTIMUM CONFIGURATION AND MATERIAL PROPERTIES (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 6/12/65, 13P)	RC0102 M3582
PROPERTIES	INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II)	CODE RA0203
PROPERTIES	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
PROPERTIES	PROPERTIES OF CERAMIC AND MISCELLANEOUS INORGANIC MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0107
PROPERTIES	PROPERTIES OF MISCELLANEOUS MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0109
PROPERTIES	PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0106

PROPERTIES	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F. CROSBY. 4/1/63, 5P)	BE0906 M3022
PROPERTIES	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
PROPOSAL	A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)	AA0123 M3271
PROPOSAL	ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F. BIERLEIN. 5/4/64, 3P)	RB0108 M3323
PROPOSAL	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
PROPOSAL	LOW-LEVEL IRRADIATION ROOM, PROPOSAL AND COST ESTIMATE (BIOLOGY AND MEDICINE RESEARCH, BIO-CHEMICAL AND PHYSIOLOGICAL RESPONSE TO IRRADIATION. J CARRIERI. N YANNI. 3/4/65 R12/9/65, 5P)	RB0100 M3517A
PROPOSAL	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
PROPOSAL	POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)	CB0120 M3604
PROPOSAL	PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P)	AB0105 M3619
PROPOSAL	PROPOSAL FOR MICROFILM-SYSTEM (MECHANICAL ENGINEERING DEPARTMENT, DRAFTING ROOM PRACTICES AND PROCEDURES. P BEAN. 6/15/65, 16P UCID 2631)	AA0125 M3605
PROPOSAL	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440
PROPOSAL	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
PROPOSAL	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)	RP0102 M3014
PROPOSALS	FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)	RB0108 M3307

PROPOSALS	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301
PROPOSALS	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)	AA0123 M3088
PROTECTION	ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II)	CODE AC1200
PROTECTION	PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRING. 2/28/66, 2P)	AA0300 M3704
PROTECTION	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
PROTECTIVE	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
PROTON	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS, EXTERNAL PROTON BEAM AREA (SEE THIS CODE IN SECTION II)	CODE AC1120
PROTON	BEVATRON, EXTERNAL PROTON BEAM (SEE THIS CODE IN SECTION II)	CODE BE0801
PROTON	BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II)	CODE BE0802
PROTON	BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II)	CODE BE0803
PROTON	BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0804
PROTON	BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II)	CODE BE0805
PROTON	BEVATRON, EXTERNAL PROTON BEAM, EXPERIMENTAL FACILITIES (SEE THIS CODE IN SECTION II)	CODE BE0806
PROTON	EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P)	AA0300 M3609
PROTON	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
PROTON	METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M-1 AND I-M-2 MAGNETS (BEVATRON INJECTOR-II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)	BE0907 M3131

PROTON	PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P)	BE0904 M3074
PROTON	TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P)	AC0300 M3647
PULLER	ELECTRICAL CABLE PULLER AND COILING MACHINE, PROPOSAL AND COST ESTIMATE (184 CYCLOTRON. L GLASGOW. 11/4/65, 2P)	CA0102 M3625
PULSE	BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10-13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II)	CODE BE1130
PULSE-LINE	PULSE-LINE IGNITRON TEMPERATURE CONTROL SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
PULSED	METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORRGREN. 6/30/66, 4P)	HD0202 M3774
PULSED	POWER-REQUIREMENTS FOR PULSED MAGNETS (ADVANCED ACCELERATOR EXTERNAL PROTON BEAM AREA. R MEUSER. 4/15/65, 1P)	AC1120 M3541
PULSED	PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P)	SPEC. M367A
PULSED	PULSED MAGNETS, HYSTERESIS AND EDDY-CURRENT LOSSES AND THEIR EFFECTS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM. R MEUSER. 2/3/66, 9P)	AC1120 M3682
PULSED	PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORRGREN. 10/12/64, 5P)	SPEC. M372
PULSED	TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P)	AC1120 M3664
PUMP	CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3689
PUMP	FREON PUMP (OMNITRON STUDY, RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)	SPEC M394
PUMP	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
PUMP	ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183)	RC0103 M3305
PUMP	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478



PUMP	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
PUMP	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
PUMP	PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)	AB0105 M3608
PUMP	PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P)	CB0120 M3733
PUMP	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N <sub>2</sub> EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
PUMP	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
PUMP	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
PUMP	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
PUMP-SYSTEM	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
PUMPDOWN	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P)	AC0250 M3587
PUMPDOWN	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517)	AC0800 M3510A
PUMPDOWN	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N <sub>2</sub> EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
PUMPING	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)	CB0140 M3610
PUMPING	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)	CB0140 M3618A

PUMPING	POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)	CB0120 M3604
PUMPING-SPEED	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A
PUMPING-SPEED	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
PUMPING-SPEED	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
PUMPING-SPEED	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
PUMPING-SPEEDS	CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P)	CB0120 M3740
PUMPING-SYSTEM	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
PUMPING-SYSTEM	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
PUMPING-SYSTEMS	EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)	AC0800 M3269A
PUMPING-SYSTEMS	RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P)	CB0120 M3744A
PUMPS	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A
PUMPS	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
PUMPS	PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P)	AB0105 M3619
PUMPS	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412

PURCHASE	RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)	AA0101 M3499
PURIFIER	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFFER. 6/24/64, 1P)	AB0101 M3352
QUADRANT	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)	BE1130 M3462
QUADRANT	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)	BE1130 M3461
QUADRANT	QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P)	BE1130 M3574
QUADRUPOLE	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO ((184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
QUADRUPOLE	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P)	CA0303 M3081
QUADRUPOLE	CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R MEUSER. 7/21/64, 3P)	AA0114 M3371
QUADRUPOLE	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)	LA0102 M3491
QUADRUPOLE	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
QUADRUPOLE	FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
QUADRUPOLE	GRADIENT AND QUADRUPOLE MAGNET APERTURE REQUIREMENTS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 12/8/65, 4P)	AC0303 M3646
QUADRUPOLE	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
QUADRUPOLE	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
QUADRUPOLE	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440

QUADRUPOLE	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329
QUADRUPOLE	TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P)	AC0250 M3710
QUADRUPOLE	12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P)	SPEC. M346
QUADRUPOLE	12QB24 AND 12QB48 QUADRUPOLE MAGNETS, 12-INCH BORE (BEVATRON EXPERIMENTAL FACILITIES. J WALTER. 3/26/65, 9P)	SPEC M378
QUADRUPOLE	8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)	BE0705 M3061
QUADRUPOLE	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)	SPEC. M348B
QUADRUPOLE	8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON. 6/22/64, 2P UCID 2438)	BE0706 M3349
QUICK-DISCONNECT	ENGINEERING-FLIGHT GONDOLA, EXPLOSIVE-ACTUATED QUICK-DISCONNECT JOINT (HIGH ALTITUDE PARTICLE PHYSICS, NASA. W POPE. 3/9/66, 4P)	SPEC M397
RADIATION	CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II)	CODE RC0107
RADIATION	CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4)	AA0116 M3743
RADIATION	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
RADIATION	RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P)	RB0101 M3642
RADIATION	RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P)	BE0802 M3640
RADIATION	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
RADIATION-COOLED	SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P)	AC0300 M3614

RADIATOR	1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)	AA0300 M3759
RADIO-FREQUENCY	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366
RADIOISOTOPE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
RADIOISOTOPE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
RAILS	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
RAREFIED	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
REACTION-CHAMBER	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
REACTION-CHAMBER	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
REACTION-CHAMBER	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE (INORGANIC MATERIALS RESEARCH, LEE. G BEHRING. 11/11/65, 3P)	RA0200 M3629
REACTIONS	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. D CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
REACTOR	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)	BE0503 M3276A
READ-OUT	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
READER	MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405

READINGS	LIQUID-LEVEL-SYSTEM, INTERPRETING OUTPUT READINGS (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 6/21/65, R6/24/65, 3P)	BE0801 M3583A
READOUT	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLDS. 6/28/65, 2P)	AA0501 M3600
READOUT	DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P)	CB0125 M3655
REALIGNMENT	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE-TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
REASSESSMENT	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
REASSESSMENT	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
RECIRCULATOR	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFFER. 6/24/64, 1P)	AB0101 M3352
RECOIL-FREE	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
RECORD	NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)	AA0102 M3768
RECORDING	LIQUID-LEVEL-SYSTEM, DATA RECORDING AND REDUCTION (BEVATRON EXTERNAL PROTON BEAM. S RICE. 1/26/66, 7P)	BE0801 M3678
RECOVERY	FLOWSWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY-ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
REDESIGN	REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P)	RC0100 M3660
REFLECTIONS	FRESNEL REFLECTIONS VS. INCIDENT ANGLE FOR $n = 1.39$ (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORRGREN. 3/30/66, 3P)	HD0202 M3719
REFLECTIONS	WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORRGREN. 3/11/66, 2P)	HD0203 M3707
REFLECTIVE	A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)	AA0500 M3425
REFLECTOR	CR-39 PLASTIC COAT-HANGER REFLECTOR, NUMERICAL DESIGN SOLUTION OF AND OPINION REGARDING FRESNEL LOSS INCURRED BY WIDE CROSS-SECTION (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORRGREN. 3/30/66, 9P)	HD0202 M3720

REFLECTOR	HOMALITE CR-39 PLASTIC COAT-HANGER REFLECTOR, REDUCTION OF ACCELERATION DEFLECTION BY PRELOAD MOUNTING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORRGREN. 6/21/66, 5P)	HD0202 M3765
REFLECTOR	PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORRGREN. 7/1/66, 2P)	HD0202 M3775
REFLECTOR	SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORRGREN. 3/21/66, 6P)	HD0202 M3713
REFLECTOR	TRANSVERSE DEFLECTION OF PISTON BOTTOM RELATED TO PLASTIC COAT-HANGER REFLECTOR MOUNTING AND PRELOADING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORRGREN. 6/27/66, 3P)	HD0202 M3771
REFLECTORS	COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORRGREN. 5/26/66 3P.)	HD0202 M3752
REFLECTORS	COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORRGREN. 5/27/66, 7P.)	HD0202 M3756
REFLECTORS	CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORRGREN. 3/25/66, 2P)	HD0202 M3717
REFLECTORS	METHYL-METHACRYLATE FOR PULSED COAT-HANGER REFLECTORS (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORRGREN. 6/30/66, 4P)	HD0202 M3774
REFLECTORS	RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORRGREN. 6/7/66, 1P)	HD0202 M3757
REFLECTORS	SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORRGREN, 5/27/66 R 5/31/66)	HD0202 M3742A
REFRACTIVE	CR-39 PLASTIC COAT-HANGER REFLECTORS, DESIGN REFRACTIVE INDEX OF (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORRGREN. 3/25/66, 2P)	HD0202 M3717
REFRIGERATION	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 2P)	AA0300 M3620
REFRIGERATION	REFRIGERATION FOR FIELD-ION MICROSCOPE IN BUILDING-62, PART II (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 1/13/66, 3P)	AA0300 M3671
REGENERATIVE	REGENERATIVE DEFLECTION-SYSTEM, DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)	CB0125 M3380A

REGENERATOR	DEFLECTOR-II AND REGENERATOR DRIVES AND READOUT, DESCRIPTION AND OPERATION (88-INCH CYCLOTRON. F BIERLEIN. 12/14/65, 3P)	CB0125 M3655
REGULATING	EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
REINFORCEMENT	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BE0601 M3207
REINFORCEMENT	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P)	RC0103 M3051A
REINFORCING	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
REINFORCING	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
RELAYS	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
RELIABILITY	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
RELUCTANCE	RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P)	AA0114 M3571
REMOVAL	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
REMOVAL	HELIUM DEWAR OPERATIONS, ICE PLUG FORMATION AND REMOVAL (MINUTES OF HYDROGEN SAFETY COMMITTEE. R BYRNS. 11/10/65, 4P UCID 2704)	AA0300 M3630
REMOVING	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
RENSSELAER	1965 JOINT AUTOMATIC CONTROLS CONFERENCE AND RENSSELAER POLYTECHNIC INSTITUTION (TRIP REPORT. S JOHNSON. 6/28/65, 1P)	AA0102 M3588
REPAIR	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751



REPAIR	184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)	CA0101 M3554
REPAIRS	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285
REPLACEMENT	A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)	AA0123 M3271
REPLACEMENT	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
REPLACEMENT	FLOWSWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
REPLACEMENT	MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P)	BE0902 M3494
REPLACEMENT	UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE) CHAMBER. J HART. 10/7/64, 7P)	SPEC. M371
REPLACEMENT	184-INCH CYCLOTRON MAGNET, DISASTER PLANNING FOR REPAIR OR REPLACEMENT OF MAIN COILS IN CASE OF FAILURE (L GLASGOW. 2/17/65, 13P)	CA0101 M3554
REPLACING	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
REPLACING	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
REPORT	INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P)	AC0300 M3714A
REPORT	REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P)	AA0126 M3078
REPORT-I	MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)	RA0200 M3274
REPORTS	REPORTS, TRIP, MEETING, CONFERENCE (SEE THIS CODE IN SECTION II)	CODE AA0102
REPRODUCTION	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421

REQUEST	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
REQUESTER	RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)	AA0101 M3499
RESEARCH	BIO-ORGANIC CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II)	CODE RC0500
RESEARCH	BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II)	CODE RC0501
RESEARCH	BIOLOGY AND MEDICINE RESEARCH (SEE THIS CODE IN SECTION II)	CODE RB0100
RESEARCH	BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS (SEE THIS CODE IN SECTION II)	CODE RB0101
RESEARCH	BIOLOGY AND MEDICINE RESEARCH, POSITIONER AND CAVE PLATFORM AT 184-IN CYCLOTRON (SEE THIS CODE IN SECTION II)	CODE RB0104
RESEARCH	BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II)	CODE RB0108
RESEARCH	CHEMISTRY RESEARCH (SEE THIS CODE IN SECTION II)	CODE RC0100
RESEARCH	CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II)	CODE RC0101
RESEARCH	CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE RC0102
RESEARCH	CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II)	CODE RC0103
RESEARCH	CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS (SEE THIS CODE IN SECTION II)	CODE RC0106
RESEARCH	CHEMISTRY RESEARCH, RADIATION CHEMISTRY I, NEWTON (SEE THIS CODE IN SECTION II)	CODE RC0107
RESEARCH	HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II)	CODE LA0103
RESEARCH	INORGANIC MATERIALS RESEARCH (SEE THIS CODE IN SECTION II)	CODE RA0200
RESEARCH	INORGANIC MATERIALS RESEARCH, HIGH-TEMPERATURE CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0201
RESEARCH	INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE RA0202
RESEARCH	INORGANIC MATERIALS RESEARCH, LOW-TEMPERATURE PROPERTIES OF MATERIALS (SEE THIS CODE IN SECTION II)	CODE RA0203
RESEARCH	INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC (SEE THIS CODE IN SECTION II)	CODE RA0204

RESEARCH	NATIONAL MICROFILM ASSOCIATION ANNUAL CONFERENCE. MICROFILM, RECORD HOLDER FOR RESEARCH (TRIP REPORT. P BEAN. 6/22/66, 2P)	AA0102 M3768
RESEARCH	PHYSICS RESEARCH, ALVAREZ GROUP (SEE THIS CODE IN SECTION II)	CODE RP0103
RESEARCH	PHYSICS RESEARCH, CROWE GROUP (SEE THIS CODE IN SECTION II)	CODE RP0104
RESEARCH	PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP (SEE THIS CODE IN SECTION II)	CODE RP0101
RESEARCH	PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP (SEE THIS CODE IN SECTION II)	CODE RP0102
RESERVOIRS	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
RESIN	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
RESIN	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
RESISTIVITY	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140-MC (BEVATRON, INJECTOR-II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366
RESISTIVITY	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)	BE0708 M3324A
RESISTOR	DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P)	LA0102 M3430
RESOLUTION	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363
RESONANT	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
RESONANT	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
RESONATOR	RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)	MN0201 M3674
RESPONSE	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099

RESPONSE	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360
RETRIEVAL	DOCUMENT PREPARATION, INDEXING, RETRIEVAL (SEE THIS CODE IN SECTION II)	CODE AA0128
RETRIEVAL	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
REVERE-COPPER	VISITS TO PHELPS-DODGE, REVERE-COPPER, ANACONDA-AMERICAN-BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
REYNOLDS	CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II)	CODE RC0103
RF	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365
RF	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
RF	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
RF	POSTSTRIPPER DRIFT-TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
RF	RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)	AC0304 M3627
RF	RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P)	AC0304 M3718
RF	RF RESONATOR MODEL, HIGH-FREQUENCY, FREON-11 FERRITE COOLING-SYSTEM (OMNITRON STUDY. E HOYER. 1/19/66, 26P)	MN0201 M3674
RF-SYSTEM	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0304
RF-SYSTEM	ADVANCED-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0701

RF-SYSTEM	OMNITRON, SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE MN0201
RF-SYSTEM	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
RF-SYSTEM	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
RF-SYSTEM	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
RIGIDITY	LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520)	AC0404 M3557
RIGIDITY	OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)	RC0501 M3152
RING	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II)	CODE AC0402
RING	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II)	CODE AC0404
RING	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II)	CODE AC0405
RING	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II)	CODE AC0406
RING	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0409
RING	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II)	CODE AC0411
RING	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II)	CODE AC0410
RING	ADVANCED-ACCELERATOR, MAIN RING MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0500
RING	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, DESIGN PARAMETERS (SEE THIS CODE IN SECTION II)	CODE AC0501
RING	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, CORE MATERIALS AND FABRICATION (SEE THIS CODE IN SECTION II)	CODE AC0502

RING	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALTERNATING-GRADIENT MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0505
RING	ADVANCED-ACCELERATOR, MAIN RING MAGNETS, ALIGNMENT (SEE THIS CODE IN SECTION II)	CODE AC0508
RING	ADVANCED-ACCELERATOR, MAIN RING ACCELERATING-SYSTEM, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0701
RING	GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)	SPEC. M374
RING	MODEL GRADIENT MAGNETS FOR MAIN RING (ADVANCED ACCELERATOR. A ROBERTS. 10/29/65 R12/20/65 R2/9/66 R5/12/66, 23P)	SPEC M386C
RING	RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)	AC0500 M3238
ROARKS	PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)	AA0123 M3343
ROCK	COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)	AC0405 M3553B
ROCK	MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P)	AC0302 M3578
ROLLING	ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P)	AC1200 M3534
ROLLING	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
ROLLING-MILL	FOIL ROLLING-MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)	RC0100 M3218
ROOF	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. D CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
ROOF	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
ROOF	QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P)	BE1130 M3574

ROOF	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
ROOF	STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)	CA0202 M3555
ROOF	STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P)	CA0202 M3556
ROOF	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P)	BE1130 M3573
ROOF	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P)	BE1130 M3572
ROOM-TEMPERATURE	LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)	HE0103 M3168A
ROTAMETER	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
ROTATION	BIO-ORGANIC CHEMISTRY RESEARCH, MAGNETO-OPTICAL ROTATION APPARATUS (SEE THIS CODE IN SECTION II)	CODE RC0501
ROTATIONAL	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
ROUGHING	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
ROUGHING-SYSTEMS	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
RTV	DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)	LA0105 M3550
RUBBER	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M18B
RUBBER	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
RUBBER	DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)	LA0105 M3550

RUBBER	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493
RUBBERS	INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES (SEE THIS CODE IN SECTION II)	CODE AB0108
RUPTURE	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64, R4/8/64, 3P)	BE0503 M3276A
SADDLE	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
SAFETY	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
SAFETY	ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)	AA0300 M3268
SAFETY	EXTERNAL PROTON BEAM EXPERIMENTAL-HALL, BEVATRON, SAFETY ASPECTS (MINUTES OF THE HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 9/16/65, 1P)	AA0300 M3609
SAFETY	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	PC0101 M3282
SAFETY	MINUTES OF HYDROGEN SAFETY COMMITTEE (SEE THIS CODE IN SECTION II)	CODE AA0300
SAFETY	SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)	RA0204 M3114
SAFETY	SAFETY RECOMMENDATIONS FOR INSTALLATION OF COMPRESSED HYDROGEN GAS CYLINDERS AT BUILDING-74 (HYDROGEN SAFETY COMMITTEE. G BEHRING. 12/1/65, 1P UCID 2712)	AA0300 M3639
SAFETY	SAFETY RECOMMENDATIONS FOR THE EXPERIMENTAL-HALL (ADVANCED ACCELERATOR, LONG PROTON BEAM AREA. P HERNANDEZ. 10/5/65 R11/1/65, 3P UCID 2649)	AC1120 M3612A
SAFETY	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
SAFETY	SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P)	AA0300 M3772
SAFETY	1000-PSI ETHYLENE AND 300-PSI CARBON-DIOXIDE CERENKOV COUNTERS, OPERATIONS CHECKLIST, PROCEDURES AND SAFETY REQUIREMENTS (BEVATRON EXPERIMENTAL FACILITIES, UNIVERSITY OF WASHINGTON, UCSD CASCADE-MAGNETIC-MOMENT EXPERIMENT. J FIEDLER. 4/21/66, 7P)	BE0709 M3728



SAFETY	1150-PSIG HYDROGEN GAS CERENKOV RADIATOR COUNTER, SAFETY REQUIREMENTS (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 6/10/66 1P)	AA0300 M3759
SAFETY	80-IN BNL BUBBLE-CHAMBER CAMERA, SAFETY (SEE THIS CODE IN SECTION II)	CODE HF0103
SAFETY-FACTOR	SAFETY-FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)	CA0202 M3126
SAGITTAL	SAGITTAL VALUES FOR COAT-HANGER REFLECTORS OF VARIOUS RADII (82-IN BUBBLE CHAMBER ILLUMINATION. D NORGREN, 5/27/66 R 5/31/66)	HD0202 M3742A
SANDWICH	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
SAPPHIRE	THERMAL CONDUCTIVITY OF SAPPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P)	AA0107 M3738A
SATURATION	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
SCALER	MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P)	SPEC M401B
SCANNER	RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P)	RB0101 M3642
SCANNER	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
SCANNER	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
SCANNER	WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P)	RB0101 M3413
SCANNING	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
SCANNING	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
SCANNING-SYSTEM	SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P)	SPEC M387

SCHEDULE	DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P)	CB0125 M3565
SCINTILLATION	ANIMAL-HOUSE 11-1/2 INCH SCINTILLATION CAMERA (BIOLOGY AND MEDICINE RESEARCH INSTRUMENTATION FOR MEDICAL PHYSICS. H ANGER. N YANNI. 11/24/65, 3P)	RB0101 M3637
SCINTILLATION	11 1/2-INCH SCINTILLATION CAMERA PEDESTAL MODIFICATION, DESIGN AND COST ESTIMATE (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 4/15/66, 5P)	RB0101 M3725
SCREENS	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLES. 6/28/65, 2P)	AA0501 M3600
SCREWS	A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)	AA0501 M3408
SEAL	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
SEAL	HIGH VACUUM TUBING JOINT SEAL USING PHENOLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)	RC0100 M3748
SEAL	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285
SEAL	INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403)	CB0121 M3359
SEALING	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
SEALING	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPER. 2/4/65, 1P)	RP0101 M3493
SEALING-COMPOUND	INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPER. 7/3/64, 2P UCID 2403)	CB0121 M3359
SEALS	J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
SEALS	J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63. R12/11/63, 5P)	AA0117 M3175A
SEALS	POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)	CB0120 M3604
SEALS	SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II)	CODE AA0117

SEARCH-COIL	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
SEGRE-CHAMBERLAIN	PHYSICS RESEARCH, SEGRE-CHAMBERLAIN GROUP (SEE THIS CODE IN SECTION II)	CODE RP0102
SEISMIC	SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)	AA0116 M3753
SELF-EXTINGUISHING	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
SEMICONDUCTOR	REDESIGN OF HOLDER FOR GAMMA-RAY SEMICONDUCTOR DETECTOR (CHEMISTRY RESEARCH. R REIMERS. 12/28/65, 2P)	RC0100 M3660
SEMICONDUCTOR	SEMICONDUCTOR DETECTOR CRYOSTAT COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 1/28/66, 2P)	RC0100 M3679
SEMICONDUCTOR	SEMICONDUCTOR DETECTOR CRYOSTAT, EXTENDED COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3690
SEMINAR	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
SEMINAR	TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790)	AA0102 M3735
SEMINAR	UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMAND. 12/5/63 R10/28/64, 9P)	AA0102 M3205A
SEMINAR	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310
SEMINAR	VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P)	AA0102 M3548
SEPARATOR	CASCADE ISOTOPE SEPARATOR, PROGRESS-REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)	RC0103 M3505
SEPARATOR	CASCADE ISOTOPE SEPARATOR PROGRESS-REPORT NUMBER 12 (CHEMISTRY RESEARCH. R REIMERS. 2/23/66, 1P)	RC0103 M3699
SEPARATOR	CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS (SEE THIS CODE IN SECTION II)	CODE RC0103
SEPARATOR	ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)	RC0103 M3007
SEPTUM	SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P)	AC0300 M3614
SEPTUM	WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213

SERVICE	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
SERVICE	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
SERVICE	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
SERVICE	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
SERVICING	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
SEXTUPOLE	12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P)	SPEC M390A
SEXTUPOLE	12 X 24 SEXTUPOLE MAGNET DESIGN CALCULATIONS (BEVATRON EXPERIMENTAL FACILITIES. S RICE. 1/12/66 R1/26/66, 17P UCID 2744)	BE0705 M3667A
SHAFT	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
SHAFTS	STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)	BE0702 M3754
SHAPING	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
SHEAR	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
SHEARSTIFF	LATERAL RIGIDITY COMPUTATIONS FOR SHEARSTIFF PILE CAP CONNECTION (ADVANCED ACCELERATOR, MAIN RING STRUCTURE. J DORWARD. 4/28/65, 28P UCID 2520)	AC0404 M3557
SHEET	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
SHEET	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303

SHEETS	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
SHEETS	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
SHELL	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
SHELL	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069
SHIELD	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
SHIELDED	SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P)	AC1300 M3535A
SHIELDED	SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740)	AC1300 M3662
SHIELDING	ACTUAL CONCRETE SHIELDING BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511
SHIELDING	ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION (SEE THIS CODE IN SECTION II)	CODE AC1200
SHIELDING	ANALYSIS OF THE FORCES REQUIRED TO MOVE THE ROLLING SHIELDING DOOR (ADVANCED ACCELERATOR MAIN RING. J SATTI. 4/7/65, 7P)	AC1200 M3534
SHIELDING	BEVATRON, EXTERNAL PROTON BEAM, SHIELDING (SEE THIS CODE IN SECTION II)	CODE BE0805
SHIELDING	BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II)	CODE BE1130
SHIELDING	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. D CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
SHIELDING	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. D CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030

SHIELDING	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
SHIELDING	COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)	AC0701 M3654
SHIELDING	COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS, PART 2 (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/22/65, 6P)	AC1110 M3585
SHIELDING	COMPOSITE SHIELDING MADE OF SEVERAL DIFFERENT MATERIALS (ADVANCED ACCELERATOR INTERNAL TARGET AREA. R MEUSER. 6/4/65, 12P)	AC1110 M3577
SHIELDING	CONCRETE BLOCK RADIATION SHIELDING DESIGN CRITERIA. (O CALLAHAN. 11/15/57, 22P. UCID 4)	AA0116 M3743
SHIELDING	CONCRETE SHIELDING BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SAL SIG. 6/10/63, 1P)	BE1130 M3073
SHIELDING	DESIGN OF DOORWAY SHIELDING BLOCK NUMBER 160 (BEVATRON, 10*13 PPP EXPERIMENTAL AREA. I HALPERN. 4/19/66, 6P)	BE1130 M3766
SHIELDING	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)	BE1130 M3461
SHIELDING	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)	BE1130 M3462
SHIELDING	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)	BE1130 M3460
SHIELDING	ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P)	AC0302 M3668
SHIELDING	HEAVY-ION ACCELERATOR, GENERAL, SHIELDING (SEE THIS CODE IN SECTION II)	CODE LA0106
SHIELDING	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C

SHIELDING	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J DORT. 1/10/63, 14P)	BE1130 M3076
SHIELDING	MAGNET GAP SHIELDING (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. M ELLIOTT. 4/8/65, 8P)	AC0500 M3536
SHIELDING	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
SHIELDING	MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)	CA0101 M3019
SHIELDING	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
SHIELDING	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
SHIELDING	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
SHIELDING	QUADRANT END 2-DEG BOTTOM ROOF SHIELDING BLOCK, QR-9 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 14P)	BE1130 M3574
SHIELDING	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
SHIELDING	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
SHIELDING	SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)	AA0116 M3753
SHIELDING	SHIELDING (SEE THIS CODE IN SECTION II)	CODE AA0116
SHIELDING	SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497)	AC0300 M3537

SHIELDING	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
SHIELDING	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125
SHIELDING	SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)	CA0203 M3325
SHIELDING	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)	AC1200 M3601
SHIELDING	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
SHIELDING	SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)	AC1200 M3514
SHIELDING	SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)	LA0106 M3375
SHIELDING	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376
SHIELDING	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378
SHIELDING	SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)	BE1130 M3504
SHIELDING	SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P)	BE1130 M3077
SHIELDING	SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P)	AC1120 M3563
SHIELDING	STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)	CA0203 M3245
SHIELDING	STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)	CA0202 M3555
SHIELDING	STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P)	CA0202 M3556
SHIELDING	STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P)	LA0105 M3128
SHIELDING	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767



SHIELDING	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
SHIELDING	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P)	BE1130 M3573
SHIELDING	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P)	BE1130 M3572
SHIELDING	TWO TYPES OF SHIELDING BACKSTOP FOR UNUSED PROTON BEAM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 12/14/65, 9P)	AC0300 M3647
SHIELDING	USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)	CA0202 M3146
SHIELDING	100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)	LA0105 M3150
SHIELDING	184-IN CYCLOTRON, IMPROVEMENTS, PHYSICS CAVE SHIELDING (SEE THIS CODE IN SECTION II)	CODE CA0202
SHIELDING	184-IN CYCLOTRON, IMPROVEMENTS, SHIELDING (SEE THIS CODE IN SECTION II)	CODE CA0203
SHIELDING	300-LBS/CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)	CA0101 M3032
SHIELDS	HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)	SPEC. M370
SHIM	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
SHOCK-ABSORBER	EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
SHOP	DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELD. 5/19/65, 1P)	CB0125 M3565
SHOP	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692
SHOPS	RELATIONS WITH SHOPS (DEPARTMENT POLICY. R BURLEIGH. 2/3/66, 1P)	AA0200 M3683
SHRINKAGE	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (Troxell, Raphael, Davis CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321

SHUNTS	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNET POWER-SUPPLIES, SHUNTS (SEE THIS CODE IN SECTION II)	CODE BE0706
SIGNAL-TO-NOISE	IMPROVING PHOTOGRAPHIC-IMAGE SIGNAL-TO-NOISE RATIO BY OPTICAL FILTERING (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/25/66, 9P)	HD0202 M3716
SILICONE	DRIFT-TUBE BELLOWS COOLING, COATING WITH RTV SILICONE RUBBER (HILAC. T HENDERSON. 4/27/65, 3P)	LA0105 M3550
SIMULATION	DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)	AA0123 M3234
SITES	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)	AC0409 M3226
SLAB	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. D CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
SLAC	WORK FOR SLAC (SEE THIS CODE IN SECTION II)	CODE AA0901
SLIDING	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
SLIDING	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
SLITS	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
SLITS	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
SLOPE	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
SLUMPING	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
SOCIETY	AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P)	AA0102 M3288
SOCIETY	AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P)	AA0102 M3172
SOCIETY	BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)	AA0102 M3174

SOCIETY	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
SOCIETY	MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P)	AA0102 M3589
SOCIETY	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64 4P)	AA0102 M3446
SOCIETY	TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)	AA0102 M3260
SOCIETY	21ST ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS (TRIP REPORT. J TURNER. 4/9/65, 4P)	AA0102 M3538
SODIUM-SILICATE	A REFLECTIVE COATING OF MAGNESIA AND SODIUM-SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)	AA0500 M3425
SOILS	COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)	AC0402 M3551A
SOLDERING	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
SOLDERING	MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)	RP0103 M3445
SOLDERING SOLENOID	WELDING, BRAZING, SOLDERING (SEE THIS CODE IN SECTION II) BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	CODE AA0121 LA0102 M3424A
SOLENOID	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5-IN ID, 20-KG (R WOLGAST. 8/12/64, 7P)	AA0114 M3387
SOLENOID	SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P)	BE0904 M3645A
SOLENOID	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
SOLENOID	SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)	RC0102 M3476
SOLENOID	SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479

SOLENOIDS	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P)	AA0114 M3195
SOLENOIDS SOLID-STATE	MAGNETS, SOLENOIDS, COILS (SEE THIS CODE IN SECTION II) INORGANIC MATERIALS RESEARCH, SOLID-STATE PHYSICS AND CHEMISTRY (SEE THIS CODE IN SECTION II)	CODE AA0114 CODE RA0202
SOLVENT	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
SOLVING	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
SOLVING	WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)	AA0123 M3009
SORPTION	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
SOURCE	COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/26/66 3P.)	HD0202 M3752
SOURCE	COAT-HANGER REFLECTORS, APPARENT SOURCE DISTANCE AND RADII (82-IN BUBBLE CHAMBER, ILLUMINATION. D NORGREN. 5/27/66, 7P.)	HD0202 M3756
SPARK-CHAMBER	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFFER. 6/24/64, 1P)	AB0101 M3352
SPARK-CHAMBER	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLES. 6/28/65, 2P)	AA0501 M3600
SPARK-CHAMBER	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
SPARK-CHAMBER	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
SPARK-CHAMBER	INTERLOCKING FOR SPARK-CHAMBER POWER-SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)	AA0300 M3085
SPARK-CHAMBER	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
SPARK-CHAMBER	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
SPARK-CHAMBER	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493

SPARK-CHAMBER	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLTZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
SPARK-CHAMBER	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501
SPARK-CHAMBER	SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)	RA0204 M3114
SPARK-CHAMBER	SPARK-CHAMBER AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P)	SPEC M387
SPARK-CHAMBER	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)	BE0709 M3278
SPARK-GAP	SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P)	AA0300 M3772
SPECIFICATION	ENGINEERING-NOTE AND SPECIFICATION NUMBERING-SYSTEM AND DIRECTORY OF CATEGORY CODES. (J TURNER. 1/9/64, R8/24/64, R8/19/65, R6/3/66, 13P)	AA0128 M3228B
SPECIFICATIONS	SPECIFICATIONS (SEE THIS CODE IN SECTION II)	CODE 1
SPECIFICATIONS	SPECIFICATIONS FOR USE OF ODORLESS FLAMMABLE GAS IN LABORATORY ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 3/31/66, 3P)	AA0300 M3721
SPECTRAL	ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P)	AA0106 M3741
SPECTRAL	SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P)	HD0202 M3713
SPECTROGRAPH-II	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE-TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
SPECTROMETER	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	LA0102 M3424A
SPECTROMETER	FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)	RC0101 M3063
SPECTROMETER	IMPROVED TEMPERATURE-REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)	RC0101 M3119

SPECTROMETER	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLDS, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
SPECTROMETER	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
SPECTROMETER	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
SPECTROMETERS	BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0708
SPECTROMETERS	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
SPECTROMETERS	VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M3518
SPECTROMETERS	VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P)	BE0708 M3102
SPECTROSCOPY	CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY (SEE THIS CODE IN SECTION II)	CODE RC0101
SPIRAL	MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
SPREADER-BAR	SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)	BE1130 M3040
SPUTTER-ION	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A
SPUTTER-ION	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
SPUTTER-ION	PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P)	AB0105 M3619
SPUTTER-ION	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
STABILITY	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
STABILITY	SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)	AA0116 M3753

STABILITY	STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS, R REIMERS. 3/21/63, 1P)	RC0103 M3008
STABILITY	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
STAGES	ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)	AA0501 M3426
STAINLESS	ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL, R REIMERS. 5/24/66, 1P.)	RC0100 M3750
STAINLESS	MATERIAL AND FOUNDRY JUSTIFICATION FOR KROMARC-55 STAINLESS CHAMBER BODY CASTING (82-INCH CHAMBER CONVERSION FROM 72-INCH. R BYRNS. 1/12/66, 3P)	HD0201 M3666A
STAINLESS	STAINLESS BOTTOM PLATE CASTING (82-INCH BUBBLE CHAMBER, CONVERSION FROM 72-INCH. R BYRNS. F BARRERA. 2/16/66, 3P)	SPEC M395
STAINLESS-STEEL	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)	BE1210 M3042
STAINLESS-STEEL	STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS, R REIMERS. 4/17/64, 2P UCID 2206)	RC0103 M3309
STAINLESS-STEEL	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
STAINLESS-STEEL	82-INCH BUBBLE-CHAMBER BODY STAINLESS-STEEL CASTING (R BYRNS. 11/22/65, 3P)	SPEC M391A
STANCHION	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)	BE1210 M3042
STANDARDIZATION	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
STANDARDIZATION	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
STANDARDS	ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORNGREN. 6/13/66, 2P)	AA0130 M3760
STANDARDS	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342

STANDARDS	MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P)	AA0102 M3589
STANDS	BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS AND STANDS (SEE THIS CODE IN SECTION II)	CODE BE0705
STANDS	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)	AA0103 M3492
STANDS	INSTRUCTIONS FOR OPERATING THE MOTORIZED MAGNET JACK STANDS (BEVATRON EXPERIMENTAL FACILITIES, 18 X 60 H AND 12QB MAGNETS. J SATTI. 6/30/65, 2P)	BE0705 M3590
STANDS	LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
STANFORD	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
STANFORD	VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P)	AA0102 M3173
STATIC	TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORGRN. 1/14/66, 5P UCID 2746)	HF0103 M3675
STAY-TIMES	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
STEEL	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
STEEL	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
STEEL	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
STEEL	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
STEEL	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
STEEL	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
STEEL	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076



STEEL	MAGNET CORE STEEL (OMNITRON STUDY MAIN RING MAGNET, PROTOTYPE NUMBER 1. E HOYER. T SCALISE. 4/1/66, 2P)	SPEC M398
STEEL	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPER. 12/3/64, 1P)	RP0101 M3454
STEEL	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
STEEL	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
STEEL	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378
STEEL	SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)	BE1130 M3504
STEEL	SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P)	BE1130 M3077
STEEL	STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)	CA0203 M3245
STEEL	STEEL ROOF SHIELDING BEAMS, EARTHQUAKE PROBLEM ANALYSIS (184-INCH CYCLOTRON. L GLASGOW. 11/16/64, 14P)	CA0202 M3555
STEEL	STEEL ROOF SHIELDING BEAMS (PRELIMINARY DESCRIPTION. 184-INCH CYCLOTRON. L GLASGOW. 12/15/64, 11P)	CA0202 M3556
STEEL	STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P)	LA0105 M3128
STEEL	STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P)	AA0109 M3566
STEEL	USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)	CA0202 M3146
STEEL	100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)	LA0105 M3150
STEERING	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)	LA0102 M3025
STEERING	STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332)	BE0906 M3057
STEERING	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
STEM	PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
STEM	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRESTRIPPER STEM CLAMPS (HEAVY-ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
STEM	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069

STEMS	PRESTRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY-ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
STEPLESS	OVERHEAD CRANES, THE ADVANTAGES OF SCR STEPLESS CRANE CONTROL (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 8P)	AC1120 M3652
STEREO	IMAGE DISTORTION DUE TO CURVATURE OF STEREO CAMERA MIRRORS (72-INCH HYDROGEN BUBBLE CHAMBER. D NORNGREN. 2/16/66, 2P)	HD0103 M3696
STEREO	PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORNGREN. 10/12/64, 5P)	SPEC. M372
STEREO	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORNGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
STEREO	80-IN BNL BUBBLE-CHAMBER CAMERA, STEREO IMAGE CALIBRATION (SEE THIS CODE IN SECTION II)	CODE HF0101
STEREOTAXIC	BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREDTAXIC APPARATUS FOR HUMANS (SEE THIS CODE IN SECTION II)	CODE RB0108
STIFFNESS	LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)	AC0402 M3398
STIFFNESS	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
STORAGE	LIQUEFIED GAS STORAGE AND EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AB0102
STORAGE	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
STORAGE	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
STORAGE	SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)	BE1130 M3504
STRAIGHT-TO-CURVED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
STRENGTH	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)	BE0503 M3276A

STRENGTH	STRENGTH OF HIGH-STRENGTH STEEL BOLTS (J DORWARD. 5/19/65, 5P)	AA0109 M3566
STRESS	ALTERNATING-GRADIENT MAGNET CORE STRESS AND DEFLECTION (ADVANCED ACCELERATOR, MAIN RING MAGNETS. R KILPATRICK. 4/1/65, 10P UCID 2492)	AC0501 M3526
STRESS	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054
STRESS	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
STRESS	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
STRESS	PLASTIC COAT-HANGER REFLECTOR PRELOAD STRESS AND OPTICAL CRAZING (82-IN BUBBLE-CHAMBER ILLUMINATION. D NORGREN. 7/1/66, 2P)	HD0202 M3775
STRESS	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
STRESS	REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	AC0505 M3326
STRESS	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
STRESS	STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 5P)	AC0305 M3529
STRESS-ANALYSIS	LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
STRESS-ANALYSIS	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
STRESS-ANALYSIS	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
STRESS-ANALYSIS	STRESS-ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
STRESS-ANALYSIS	STRESS-ANALYSIS OF HIGH-PRESSURE BERYLCO-25 CONTAINER (INORGANIC MATERIALS RESEARCH, DR. JOHN BROCK. J WAGNER. 3/15/66, 7P UCID 2758)	RA0200 M3712

STRESSES	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336
STRESSES	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
STRESSES	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
STRESSES	NEW BUBBLE-CHAMBER BODY STRESS-ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
STRESSES	SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)	BE1130 M3040
STRUCTURAL	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
STRUCTURAL	RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)	AC0304 M3627
STRUCTURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, OVERALL COMPONENT ARRANGEMENT (SEE THIS CODE IN SECTION II)	CODE AC0402
STRUCTURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II)	CODE AC0404
STRUCTURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II)	CODE AC0405
STRUCTURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II)	CODE AC0406
STRUCTURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0409
STRUCTURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE FACILITIES ACCESSWAYS (SEE THIS CODE IN SECTION II)	CODE AC0411
STRUCTURE	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ENCLOSURE MAIN ACCESSWAY (SEE THIS CODE IN SECTION II)	CODE AC0410
STRUCTURE	MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P)	AC0404 M3319
STRUCTURES	BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II)	CODE BE1130
STRUCTURES	OVERHEAD CRANES, THE INFLUENCE OF BUILDING DESIGN UPON CRANE DESIGN PARAMETERS FOR VERY LONG-SPAN STRUCTURES (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM EXPERIMENTAL AREAS. J DORWARD. 12/22/65, 3P)	AC1120 M3653

STUDIES	ADVANCED-ACCELERATOR, OVERALL ENGINEERING STUDIES, PROGRESS-REPORTS (SEE THIS CODE IN SECTION II)	CODE AC0101
STUDIES	CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)	CA0100 M3300
STUDIES	HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II)	CODE LA0103
STUDIES	HEAVY-ION ACCELERATOR, GENERAL, STUDIES FOR INCREASED DUTY-FACTOR (SEE THIS CODE IN SECTION II)	CODE LA0105
STUDIES	RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P)	AC0304 M3718
STUDIES	SUPERCONDUCTIVITY STUDIES (SEE THIS CODE IN SECTION II)	CODE AB0103
STUDIES	184-IN CYCLOTRON, IMPROVEMENTS, CENTRAL AREA STUDIES (SEE THIS CODE IN SECTION II)	CODE CA0206
STUDY-GROUP	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P)	AA0123 M3489
STUDY-GROUP	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P)	AA0123 M3488
SUBLIMATION	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
SUBROUTINE	FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
SUBROUTINE	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
SUBROUTINE	SUBROUTINE TUNCS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767
SUBSTATION	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
SULFUR-DIOXIDE	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)	BE0709 M3278
SULFUR-HEXAFLUORIDE	OPERATING INSTRUCTIONS AND CHECKLIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055

SULFUR-HEXAFLUORIDE	290-PSI CERENKOV COUNTER USING SULFUR-HEXAFLUORIDE, OPERATIONS CHECKLIST AND PROCEDURE (BEVATRON EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT, MOYER-HELMHOLZ GROUP, K-2 EXPERIMENT. J FIEDLER. 2/15/66, 2P)	BE0709 M3693
SUPERCONDUCTING	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
SUPERCONDUCTING	COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)	AB0103 M3018
SUPERCONDUCTING	POWER-SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/21/64, 3P)	SPEC. M369
SUPERCONDUCTING	SUPERCONDUCTING MAGNETS, COST ESTIMATES (INORGANIC MATERIALS RESEARCH, PHILLIPS. R HINTZ. 5/4/65, 2P)	RA0200 M3558
SUPERCONDUCTING	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS ( CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
SUPERCONDUCTING	SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)	RC0102 M3476
SUPERCONDUCTING	SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
SUPERCONDUCTIVITY SUPPLIERS	SUPERCONDUCTIVITY STUDIES (SEE THIS CODE IN SECTION II) LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341)	CODE AB0103 AA0114 M3383A
SUPPORT	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0302
SUPPORT	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT (SEE THIS CODE IN SECTION II)	CODE AC0404
SUPPORT	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT ADJUSTMENTS (SEE THIS CODE IN SECTION II)	CODE AC0405
SUPPORT	BEVATRON, SHIELDING AND SUPPORT STRUCTURES, FOR 10*13 PARTICLES PER PULSE (SEE THIS CODE IN SECTION II)	CODE BE1130
SUPPORT	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037

SUPPORT	CHARACTERISTICS OF VARIOUS BOX-SECTION MAGNET SUPPORT BEAMS (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE, FOUNDATION AND SUPPORT. W SALSIG. 1/13/65, 6P)	AC0404 M3523
SUPPORT	COST ESTIMATE FOR FOUNDATION, SUPPORT, AND ADJUSTMENTS FOR COMPRESSIBLE SOILS SITE USING DEEP PILES (ADVANCED ACCELERATOR, MAIN RING MAGNET STRUCTURE OVERALL COMPONENT ARRANGEMENT. W SALSIG. 4/28/65 R6/1/65, 18P)	AC0402 M3551A
SUPPORT	COST ESTIMATES FOR THREE DEGREES OF MAGNET SUPPORT ADJUSTMENT FACILITY ROCK FOUNDATION SITE (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/22/65 R6/1/65 R6/9/65, 8P UCID 2515)	AC0405 M3553B
SUPPORT	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)	AA0103 M3492
SUPPORT	DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)	AC0404 M3520
SUPPORT	DEGREE OF FACILITY DESIRABLE IN MAGNET SUPPORT ADJUSTMENT MECHANISMS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 4/27/65 R6/10/65, 9P UCID 2514)	AC0405 M3552A
SUPPORT	ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS MARK-V. G EDWARDS. 5/27/63, R7/23/63, 1P)	SPEC. M355A
SUPPORT	GRADIENT MAGNET SUPPORT BEAMS, CROSS BEAMS AND PILES (SITE A, ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/31/66, 7P)	AC0302 M3680
SUPPORT	LINAC SUPPORT STANDS, STRESS-ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
SUPPORT	MAGNET SUPPORT ADJUSTMENT LEG DESIGN STUDY AND COST ESTIMATE (ADVANCED ACCELERATOR MAIN RING STRUCTURE. D MORRIS. 4/23/65, 2P)	AC0405 M3546
SUPPORT	MAGNET SUPPORT BEAMS, SOFT ROCK SITE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. C MACDONALD. 5/25/65, 28P)	AC0302 M3578
SUPPORT	MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P)	AC0404 M3319
SUPPORT	MATHEMATICAL SUPPORT (SEE THIS CODE IN SECTION II)	CODE AA0126
SUPPORT	REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P)	AA0126 M3078

SUPPORT	SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)	AC0404 M3522
SUPPORT	SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II)	CODE AB0403
SUPPORTING	A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
SUPPORTING	RF ACCELERATING-SYSTEM SUPPORTING STRUCTURAL BEAM ANALYSIS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON, RF STATION. J SATTI. 10/28/65, 22P)	AC0304 M3627
SUPPORTS	BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II)	CODE BE1305
SUPPORTS	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED 6/25/63, 54P)	BE1305 M3089
SURFACE	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
SURFACE-QUALITY	ARMY OPTICAL SURFACE-QUALITY STANDARDS (D NORNGREN. 6/13/66, 2P)	AA0130 M3760
SURVEY	ADVANCED-ACCELERATOR, MAIN MAGNET RING STRUCTURE, ALIGNMENT, SURVEY (SEE THIS CODE IN SECTION II)	CODE AC0406
SURVEY	ALIGNMENT AND OPTICAL SURVEY IN BOX CONDUIT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 2/7/66, 2P)	AC0406 M3688
SURVEY	INFLECTOR SURVEY RESULTS JUNE 1965 (BEVATRON, INJECTOR-II. S JOHNSON. 6/18/65, 3P)	BE0907 M3581
SURVEY	MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	BE1201 M3286
SURVEY	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
SURVEY	PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P)	AC0501 M3154
SURVEY	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P)	AC0406 M3607



SURVEY	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)	AC0406 M3603
SURVEY	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)	AC0406 M3603
SURVEY	SURVEY AND ALIGNMENT, OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P)	AC0406 M3607
SURVEY	SURVEY AND INVENTORY OF LIQUID HELIUM AND LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. J DAVEY. P HERNANDEZ. 11/19/65, 5P)	AA0300 M3634
SURVIVAL	TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P)	AC1120 M3564
SWAGELOCK	ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)	AA0300 M3277
SWAGELOK	TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P)	RC0103 M3747
SWITCHES	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
SYMPOSIUM	AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P)	AA0102 M3172
SYMPOSIUM	AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 3P)	AA0102 M3433
SYMPOSIUM	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)	AA0102 M3178
SYMPOSIUM	VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P)	AA0102 M3631
SYNCHROTRON	ADVANCED-ACCELERATOR, SYNCHROTRON INJECTOR (SEE THIS CODE IN SECTION II)	CODE AC0300
SYNCHROTRON	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNET SUPPORT AND ENCLOSURE (SEE THIS CODE IN SECTION II)	CODE AC0302
SYNCHROTRON	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, INJECTION AND EJECTION (SEE THIS CODE IN SECTION II)	CODE AC0301
SYNCHROTRON	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, MAGNETS (SEE THIS CODE IN SECTION II)	CODE AC0303

SYNCHROTRON	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0304
SYNCHROTRON	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0305
SYNCHROTRON	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
SYNCHROTRON	INJECTOR SYNCHROTRON BUILDINGS, JANUARY REVISION TO JUNE REPORT (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 3/15/66 R3/29/66, 2P)	AC0300 M3714A
SYNCHROTRON	MECHANICAL ASPECTS OF THE INJECTOR SYNCHROTRON (ADVANCED ACCELERATOR, INJECTION SYSTEM STUDY STAFF MEETING TALK. P HERNANDEZ. 5/5/65, 26P UCID 2584)	AC0300 M3568
SYNCHROTRON	OMNITRON, SYNCHROTRON, RF-SYSTEM (SEE THIS CODE IN SECTION II)	CODE MN0201
SYNCHROTRON	PARAMETERS FOR THE 8-GEV INJECTOR SYNCHROTRON EXTRACTION-SYSTEM (ADVANCED ACCELERATOR INJECTOR SYNCHROTRON. M GREEN. 6/17/65, 12P)	AC0301 M3580
SYNCHROTRON	SLOW EXTRACTION FROM INJECTOR SYNCHROTRON, FEASIBILITY OF A RADIATION-COOLED THIN SEPTUM (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 10/6/65, 8P)	AC0300 M3614
SYNCHROTRON	SYNCHROTRON MAGNET PARAMETER STUDY (ADVANCED ACCELERATOR BOOSTER. P HERNANDEZ. 8/12/64, R11/10/64 R1/11/65 R9/30/65, 44P)	AC0303 M3390C
SYNCHROTRON	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
SYNCHROTRON	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
SYNCHROTRONS	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
SYNCHROTRONS	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767

SYSTEM	CALCULATION OF SYSTEM PUMPING-SPEEDS AND CONDUCTANCES BASED ON PERFORMANCE DATA (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/11/66, 8P)	CB0120 M3740
SYSTEM	LIQUID-LEVEL-SYSTEM, CONVERSION OF SYSTEM OUTPUT TO JACK ADJUSTMENT (BEVATRON, EXTERNAL PROTON BEAM. S RICE. 7/12/65, 3P)	BE0801 M3596
SYSTEMS	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
TABLES	PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)	AA0123 M3343
TANGENT	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)	BE1130 M3460
TANGENT	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-9 (BEVATRON, 10-13 PPP, OUTER RING, EAST TANGENT AREA. I HALPERN. 5/24/65, 13P)	BE1130 M3572
TANGENT	TANGENT CENTER BOTTOM ROOF SHIELDING BLOCK, TR-10 (BEVATRON, 10-13 PPP, OUTER RING EAST TANGENT AREA. I HALPERN. 5/24/65, 17P)	BE1130 M3573
TANGENTIAL	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
TANK	ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)	LA0108 M3613
TANK	CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)	BE0701 M3702
TANK	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
TANK	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
TANK	EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)	BE1805 M3287
TANK	HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II)	CODE LA0108

TANK	MIRROR ADJUSTING INSIDE THE CERENKOV COUNTER TANK (BEVATRON EXPERIMENTAL FACILITY, DI-BOSON PRODUCTION, LOFGREN. J WAGNER. 3P)	BE0701 M3734
TANK	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
TANK	PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P)	LA0107 M3576
TANK	PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)	LA0107 M3611
TANK	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
TANK	TANK LEVEL AND END DEFLECTION MEASUREMENTS ( HILAC, PRE AND POST STRIPPER TANKS. T HENDERSON. 4/27/65, 1P)	LA0103 M3549
TANK	TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. J HAUGHIAN. 7/13/65, 6P)	LA0107 M3595
TANK	TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
TANK	88-IN CYCLOTRON, MECHANICAL, DEE TANK (SEE THIS CODE IN SECTION II)	CODE CB0121
TANKS	INSTALLATION AND ALIGNMENT PROCEDURE FOR EIGHTEEN LINAC TANKS (ADVANCED ACCELERATOR, INJECTOR LINAC. W EATON. 7/13/65, 5P)	AC0220 M3597
TANKS	LINAC TANKS (ADVANCED ACCELERATOR. W EATON. 6/10/65, 5P)	SPEC M381
TANKS	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
TANTALUM	ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023
TAPE	MAGNET POSITION MEASURING TAPE ERRORS (ADVANCED ACCELERATOR, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 6/8/65, 4P)	AC0406 M3579
TAPE-MEASURE	TAPE-MEASURE DESIGN AND DEVELOPMENT FOR HIGH-ACCURACY (ADVANCED ACCELERATOR MAIN RING STRUCTURE, SURVEY AND ALIGNMENT. W CHAMBERLAIN. 4/20/65, 13P)	AC0406 M3545

TAPE-WOUND	SOLENOID I AND II TAPE-WOUND DESIGN (BEVATRON, INJECTOR II, ION GUN TO LINAC. D MORRIS. 11/23/65, 12P)	BE0904 M3645A
TAPE-WOUND	TAPE-WOUND QUADRUPOLE MAGNETS, EFFECT OF POLE-ANGLE (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/15/66, 11P)	AC0250 M3710
TAPES	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
TARGET	ADVANCED-ACCELERATOR, EXPERIMENTAL-AREAS, INTERNAL TARGET AREA (SEE THIS CODE IN SECTION II)	CODE AC1110
TARGET	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
TARGET	COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)	LA0100 M3262
TARGET	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
TARGET	HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
TARGET	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
TARGET	INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)	BE0705 M3422
TARGET	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)	AT0102 M3402
TARGET	LIQUID HYDROGEN TARGET OPERATION (HYDROGEN SAFETY COMMITTEE. P HERNANDEZ. 11/29/65, 1P)	AA0300 M3638
TARGET	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
TARGET	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692

TARGET	POLARIZED TARGET MAGNET MODIFICATION. 18-IN-POLE-DIA. X 4-IN-GAP, GAP VARIATION CAUSED BY ECCENTRIC MAGNETIC AND GRAVITY FORCES (J DORWARD. 5/20/65, 7P)	RP0102 M3567
TARGET	SHIELDING AND PERSONNEL PROTECTION, CALCULATING RADIATION LEVELS AND STAY-TIMES IN TARGET AREAS (ADVANCED ACCELERATOR STUDY. R KREVITT. 4/26/66, 2P)	AC1200 M3736
TARGET	STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)	BE0702 M3754
TARGET	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
TARGET	TARGET MAGNET-SYSTEM OPTIMIZATION (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 2/9/66, 22P)	AC1120 M3687
TARGET	TARGET MAGNETS, DYNAMIC CHARACTERISTICS (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 2P)	AC1120 M3665
TARGET	TARGET MAGNETS, POWER-SUPPLY COSTS, PULSED VS DC (ADVANCED ACCELERATOR, EXPERIMENTAL AREAS EXTERNAL PROTON BEAM AREA. R MEUSER. 1/10/66, 3P)	AC1120 M3664
TARGET	1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)	AT0101 M3251
TARGETING	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440
TARGETING	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
TARGETS	BEVATRON, EXPERIMENTAL FACILITIES, PROBES, CLIPPERS, TARGETS, PLUNGING MECHANISMS (SEE THIS CODE IN SECTION II)	CODE BE0702
TARGETS	BEVATRON, EXTERNAL PROTON BEAM, TARGETS (SEE THIS CODE IN SECTION II)	CODE BE0802
TARGETS	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
TARGETS	TARGETS. HYDROGEN, HELIUM, ETC., MAINTENANCE AND OPERATION (SEE THIS CODE IN SECTION II)	CODE AT0101
TARGETS	TARGETS. HYDROGEN, HELIUM, ETC., DEVELOPMENT AND CONSTRUCTION (SEE THIS CODE IN SECTION II)	CODE AT0102
TARGETS	TARGETS, HEATING, COOLING, SURVIVAL (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/19/65, 8P)	AC1120 M3564

TECHNICIANS	MECHANICAL TECHNICIANS, GENERAL (SEE THIS CODE IN SECTION II)	CODE AA0500
TECHNOLOGY	ENGINEERING TECHNOLOGY (SEE THIS CODE IN SECTION II)	CODE AB0101
TECHNOLOGY	ENGINEERING TECHNOLOGY FOR LIVERMORE (SEE THIS CODE IN SECTION II)	CODE AB0400
TECHNOLOGY	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310
TECHNOLOGY	VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P)	AA0102 M3548
TELESCOPE	ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 9/11/64, 4P UCID 2380)	AA0901 M3423
TEMPERATURE	A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)	RC0101 M3038
TEMPERATURE	BALLOON FLIGHT PRELIMINARY DESIGN, EQUILIBRIUM TEMPERATURE VARIATION LARGE BODY AT 100,000-FT ALTITUDE (PHYSICS RESEARCH, ALVAREZ GROUP. W POPE. 7/7/65, 10P)	RP0103 M3593
TEMPERATURE	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
TEMPERATURE	ELECTRON BEAM FLUORESCENCE, A METHOD FOR MEASURING DENSITY AND TEMPERATURE OF RAREFIED GASES (M GREEN. 1/21/66, 6P)	AA0100 M3677
TEMPERATURE	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
TEMPERATURE	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)	BE0708 M3324A
TEMPERATURE-DIFFERE	TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
TEMPERATURE-DISTRIB	TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)	AA0123 M3130
TEMPERATURE-DISTRIB	TEMPERATURE-DISTRIBUTION AND HEAT-TRANSFER FOR GRADIENT MAGNET CORE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 1/24/66, 14P)	AC0303 M3676
TEMPERATURE-DISTRIB	TEMPERATURE-DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/8/64 R1/25/65, 17P.)	RC0102 M3411A

TEMPERATURE-DROP	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303
TEMPERATURE-REGULAT	IMPROVED TEMPERATURE-REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)	RC0101 M3119
TERMINAL	ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES, PRELIMINARY COST ESTIMATE (HEAVY ION ACCELERATOR. R MAIN. R BURLEIGH. K MIRK. R BYRNS. J HAUGHIAN. 10/6/65, 11P)	LA0108 M3613
TERMINAL	COST ESTIMATE, COMPLETE INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR-ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/7/66, 4P)	LA0108 M3685
TERMINAL	FINAL COST ESTIMATE, PARTIAL INJECTOR TERMINAL MODIFICATIONS (HEAVY ION ACCELERATOR ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 2/8/66, 2P)	LA0108 M3686
TERMINAL	HEAVY-ION ACCELERATOR, GENERAL, ADDITIONAL INJECTOR TERMINAL AND PRESTRIPPER TANK FACILITIES (SEE THIS CODE IN SECTION II)	CODE LA0108
TERMINAL	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
TERMINAL	PROPOSED INJECTOR TERMINAL IMPROVEMENTS (HEAVY ION ACCELERATOR ADDITIONAL TERMINAL AND PRESTRIPPER TANK FACILITIES. J HAUGHIAN. 12/23/65, 7P)	LA0108 M3656
TEST	BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)	BE0802 M3082
TEST	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)	HE0106 M3290
TEST	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)	BE0503 M3276A
TEST	CERENKOV COUNTER, HYDROSTATIC PRESSURE TEST OF THE TANK (BEVATRON EXPERIMENTAL FACILITIES DI BOSON PRODUCTION, LOFGREN. J WAGNER. 2/28/66, 7P)	BE0701 M3702
TEST	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
TEST	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497



TEST	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)	BE1210 M3042
TEST	DRIFT-TUBE MAGNET COIL CORROSION-RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
TEST	ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
TEST	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
TEST	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECKLIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
TEST	HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)	LA0103 M3083
TEST	HYDROGEN GAS TARGET, OPERATION CHECKLIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
TEST	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
TEST	MAGNET COIL FLOW TEST DATA (GENERAL PHYSICS RESEARCH, CHAMBERLAIN, POLARIZED TARGET MAGNET PIA. J DORWARD. 7/23/65, 2P)	RP0102 M3599
TEST	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
TEST	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN-HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
TEST	PERFORMANCE TEST ON A KINNEY-KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)	AB0105 M3608
TEST	PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P)	CB0120 M3733
TEST	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
TEST	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
TEST	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449

TEST	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
TEST	RADIATION TEST ON INTERNAL MAGNET COIL EPOXIES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS. 12/6/65, 3P)	BE0802 M3640
TEST	SPARK-CHAMBER-AUTOMATIC SCANNING-SYSTEM MASTER TEST PATTERN (P BROADHEAD. 9/24/65, 1P)	SPEC M387
TEST	STATIC TEST OF COLLET-TYPE COUPLING FOR TARGET AND BALANCE SHAFTS (BEVATRON EXPERIMENTAL FACILITIES GAP-MOUNTED FLIP TARGET MARK-VIII. K STONE. 7/30/59, 2P)	BE0702 M3754
TEST	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
TEST	TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 5/20/66, 2P)	RC0103 M3747
TEST	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
TEST-CHAMBER	LIQUID HELIUM COOLED TEST-CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)	RC0102 M3458
TESTING	MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)	AA0114 M3191
TESTING	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17
TESTING	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
TESTING	SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P)	AA0300 M3772
TESTING	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
TESTING	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64. R7/28/64, 6P UCID 2372)	BE0708 M3324A
TESTING	VACUUM-CHAMBER, EARLY TESTING REQUIREMENTS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. J SUSTA. 4/5/66, 4P)	AC0801 M3723
TESTS	BEARING TESTS FOR APPLICATION IN VACUUM OF $1 \times 10^{-6}$ TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)	BE0702 M3732

TESTS	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
TESTS	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
TESTS	HEAVY-ION ACCELERATOR, GENERAL, RESEARCH STUDIES AND TESTS (SEE THIS CODE IN SECTION II)	CODE LA0103
TESTS	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
TESTS	PRESSURE CYLINDER JOINT DESIGN AND PRESSURE TESTS (INORGANIC MATERIALS, FINEGOLD LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. 5/24/65, 4P)	RA0203 M3569
TESTS	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
TESTS	12 X 24 SEXTUPOLE MAGNET COIL FABRICATION AND ELECTRICAL TESTS (BEVATRON, AUXILIARY MAGNETS. S RICE. 10/28/65 R11/2/65, 8P)	SPEC M390A
TEXAS-A-AND-M	COST OF DEFLECTOR FOR TEXAS-A-AND-M CYCLOTRON (88-INCH CYCLOTRON DEFLECTOR GROUP. R BURLEIGH. D ELO. 12/23/66, 2P)	CB0125 M3697
THEORY	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)	AA0112 M3364A
THERMAL	DEFLECTIONS OF SUPPORT BEAMS DUE TO THERMAL GRADIENTS, AND PROPOSED MEANS TO CONTROL (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORT. W SALSIG. 3/25/65, 16P)	AC0404 M3520
THERMAL	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
THERMAL	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
THERMAL	RELATIVE THERMAL CONTRACTION, CR-39 PLASTIC COAT-HANGER REFLECTORS. (D NORGREN. 6/7/66, 1P)	HD0202 M3757
THERMAL	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
THERMAL	THERMAL CONDUCTIVITY OF SAPHIRE FROM 75-DEG K TO 373-DEG K (R REIMERS. 4/29/66 R5/5/66, 2P)	AA0107 M3738A
THERMAL	THERMAL CONDUCTIVITY OF HOT-PRESSED BORON-NITRIDE AT LOW-TEMPERATURE (R REIMERS. 2/14/66, 2P)	AA0107 M3691
THERMIONIC	ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023

THERMOCOUPLE	BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P)	HE0106 M3171
THERMOCOUPLE	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
THERMOCOUPLE	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
THERMOCOUPLE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A
THERMOCOUPLE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
THERMOELECTRICS	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
TILTING	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A
TIME	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
TIME	DEFLECTOR II, ESTIMATE OF SHOP TIME AND FABRICATION SCHEDULE (88-INCH CYCLOTRON. D ELO. 5/19/65, 1P)	CB0125 M3565
TIME	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
TIME	PIA POLARIZED TARGET MAGNET MODIFICATION, COMPARISON OF ENGINEERING AND SHOP ESTIMATES AND ACTUAL TIME WORKED (GENERAL PHYSICS RESEARCH, CHAMBERLAIN. J DORWARD. 2/11/66, 1P)	RP0102 M3692
TIME-STUDIES	COSTS, TIME-STUDIES, ESTIMATING (SEE THIS CODE IN SECTION II)	CODE AA0103
TIMING	TIMING BELTS, STATIC CHARGE ON (80-INCH BNL BUBBLE CHAMBER CAMERA SAFETY. D NORNGREN. 1/14/66, 5P UCID 2746)	HF0103 M3675
TITANIUM	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
TOLERANCE	COAT-HANGER REFLECTORS, SOURCE RADIUS TOLERANCE (82-INCH BUBBLE CHAMBER, ILLUMINATION. D NORNGREN. 5/26/66 3P.)	HD0202 M3752
TOLERANCE	TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)	AC0505 M3211

TOLERANCES	INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P)	AC0501 M3259
TOOL	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
TOOLING	ALIGNMENT OF SPARK-CHAMBER GRID SCREENS, MAGNETO-STRICTION READOUT, BY OPTICAL TOOLING PROCEDURES (A VIEGELMANN. J SCHOLLES. 6/28/65, 2P)	AA0501 M3600
TOOLING	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
TOOLING	OPTICAL INSTRUMENTATION AND TOOLING (SEE THIS CODE IN SECTION II)	CODE AA0501
TOOLS	DEVICES, COMPONENTS, TOOLS (SEE THIS CODE IN SECTION II)	CODE AA0118
TORISPHERICAL	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
TORR	BEARING TESTS FOR APPLICATION IN VACUUM OF $1 \times 10^{-6}$ TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)	BE0702 M3732
TOUR	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
TOWER-4	ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)	BE0104 M3112
TRACING	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
TRANSFER	30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)	BE0610 M3317
TRANSFORMER	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
TRANSIT	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
TRANSITION	ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.)	RC0100 M3750

TRANSITION	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
TRANSMISSION	ALLYL-DIGLYCOL-CARBONATE PLASTIC, HOMALITE CR-39, SPECTRAL TRANSMISSION OF NEW AND OLD SAMPLES (D NORGREN. 5/17/66, 3P)	AA0106 M3741
TRANSMISSION	RF BIAS TRANSMISSION LINE COST STUDIES (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON RF-SYSTEM. M GREEN. 3/25/66, 15P)	AC0304 M3718
TRANSMISSION	SPECTRAL TRANSMISSION OF AGED CR-39 PLASTIC COAT-HANGER REFLECTOR (82-INCH BUBBLE CHAMBER ILLUMINATION. D NORGREN. 3/21/66, 6P)	HD0202 M3713
TRANSMISSION-LINE-S	COMPARISON OF COST ESTIMATES FOR DIFFERENT COMBINATIONS OF SHIELDING MATERIALS AND THE COAXIAL TRANSMISSION-LINE-SYSTEM (ADVANCED ACCELERATOR, MAIN RING ACCELERATING SYSTEM, RF SYSTEM. J SATTI. 12/22/65, 9P)	AC0701 M3654
TRANSPORT	BEVATRON, EXTERNAL PROTON BEAM, TRANSPORT MAGNETS AND POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0804
TRANSPORT	MEASURING-PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
TRANSPORT	SHIELDING, BEAM TRANSPORT SECTIONS (ADVANCED ACCELERATOR, EXTERNAL PROTON BEAM AREA. R MEUSER. 5/17/65, 33P)	AC1120 M3563
TRANSPORT	TRANSPORT MAGNET M3 COIL MARK-II (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 5/27/65, 1P)	SPEC M379
TRAP	LIQUID NITROGEN TRAP CHARACTERISTICS (CHEMISTRY, CASCADE ISOTOPE SEPARATOR. R REIMERS. 5/24/66, 1P.)	RC0103 M3749
TRAP	REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P)	AA0112 M3636
TRAP	REDUCTION OF LIQUID NITROGEN CONSUMPTION BY MODIFIED TRAP DESIGN AND CONSUMPTION DATA ON A 4-INCH ELBOW TRAP (F REINATH. 11/29/65, 13P)	AA0112 M3636
TRAVELING	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/20/63, 4P)	RC0103 M3056
TRAVELING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
TRAVELING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138

TRAVELING	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
TRAVELING	TRAVELING CRANE COSTS (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. V ROMANO. 6/1/65, 9P)	AC1300 M3575
TRIMMING	88-IN CYCLOTRON, MECHANICAL, MAGNET TRIMMING COILS (SEE THIS CODE IN SECTION II)	CODE CB0103
TRIODE	ADDITIONAL PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 12/23/65 R4/12/66, 3P UCID 2733)	AB0105 M3651A
TRIODE	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
TRIODE	PROPOSAL FOR COMPARATIVE EVALUATION OF TRIODE VS DIODE SPUTTER-ION PUMPS (F REINATH. 10/28/65, 3P)	AB0105 M3619
TRIPLET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
TRIPLET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P)	CA0303 M3081
TRIPLET	FLOWSWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
TRUCK	TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/17/63, R1/28/64, 1P)	SPEC. M349B
TUBE	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
TUBE	EQUATIONS FOR 5831 REGULATING TUBE SHOCK-ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
TUBE	M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)	BE0803 M3016
TUBE	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303
TUBE	TEST OF INTERCHANGE OF PARTS ON HOKE-GYROLOK AND SWAGELOK FLARELESS TUBE FITTINGS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBLES. 5/20/66, 2P)	RC0103 M3747
TUBE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A

TUBING	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M188
TUBING	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
TUBING	CURRENT-CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRING. 2/19/64, 5P)	RA0201 M3266
TUBING	HIGH VACUUM TUBING JOINT SEAL USING PHENDLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)	RC0100 M3748
TUNCOS	SUBROUTINE TUNCOS FOR THE STUDY OF ENCLOSURE, SHIELDING, PENETRATIONS AND FOUNDATION COST FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 6/21/66, 15P)	AC0300 M3767
TUNGSTEN	ION-SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023
TUNING	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
TUNING	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
TUNING-SYSTEM	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365
TUNING-SYSTEM	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
TUNING-SYSTEM	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100-MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
TUNNEL	ENCLOSURE TUNNEL AND EARTH SHIELDING COST (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. P HERNANDEZ. 1/11/66, 20P)	AC0302 M3668
TUNNEL	SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P)	AC1300 M3535A



TUNNEL	SHIELDING AND MAJOR ACCESS, DOG-LEG TUNNEL (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. M GREEN. 4/7/65, 9P UCID 2497)	AC0300 M3537
TUNNEL	THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)	AC0404 M3270
TURBOMOLECULAR	PUMPING-SPEED FOR AIR, PUMPDOWN FROM N2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
TURNTABLE	FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P)	CA0202 M3353A
ULTRA-HIGH	ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)	RC0100 M3350A
UNIFORMLY-LOADED	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
UNIVERSITY	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
UNIVERSITY	UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P)	AA0102 M3205A
UPTAKE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
UPTAKE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
UTILITIES	BEVATRON, BUILDING, UTILITIES (SEE THIS CODE IN SECTION II)	CODE BE0104
UTILITIES	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
UTILITY-PENETRATION	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
VACUUM	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455

VACUUM	AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P)	AA0102 M3172
VACUUM	AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 3P)	AA0102 M3433
VACUUM	BEARING TESTS FOR APPLICATION IN VACUUM OF $1 \times 10^{-6}$ TORR AND MAGNETIC FIELD OF 16,000-GAUSS (BEVATRON EXPERIMENTAL FACILITIES GAP MOUNTED TARGETS. K STONE. 4/21/66, 7P UCID 2784)	BE0702 M3732
VACUUM	BEVATRON, EXTERNAL PROTON BEAM, VACUUM CHANNEL (SEE THIS CODE IN SECTION II)	CODE BE0803
VACUUM	BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II)	CODE BE1805
VACUUM	BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)	AA0102 M3174
VACUUM	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M18B
VACUUM	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
VACUUM	CALIBRATION OF CVC PHG-90 COLD-CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
VACUUM	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
VACUUM	CRYOSORPTION VACUUM PUMP, COST ESTIMATE (GENERAL CHEMISTRY RESEARCH. G MINER. 2/14/66, 1P)	RC0100 M3689
VACUUM	CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)	AB0403 M3033
VACUUM	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)	BE1805 M3272
VACUUM	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR STUDY INJECTOR LINAC. F REINATH. 6/23/65, 10P)	AC0250 M3587
VACUUM	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN RING. F REINATH. R6/3/65, 10/15/65, 17P UCID 2517)	AC0800 M3510A
VACUUM	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)	AC0800 M3134
VACUUM	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)	AC0800 M3281

VACUUM	EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)	AC0800 M3269A
VACUUM	EVALUATION OF VACUUM EQUIPMENT (SEE THIS CODE IN SECTION II)	CODE AB0105
VACUUM	EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)	BE1805 M3287
VACUUM	HEAT-TRANSFER IN VACUUM BY THERMAL CONDUCTION, DATA ON DIFFUSION PUMP OIL AND SLIDING METAL CONTACTS (CHEMISTRY, MERIWETHER. G BEHRING. 2/24/66, 10P)	RC0100 M3703
VACUUM	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
VACUUM	HIGH VACUUM TUBING JOINT SEAL USING PHENDLIC-CANVAS BAKELITE FLANGES (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 2P.)	RC0100 M3748
VACUUM	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285
VACUUM	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
VACUUM	INVESTIGATION OF PERMATEX NO. 2 SEALING-COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEP. 7/3/64, 2P UCID 2403)	CB0121 M3359
VACUUM	ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183)	RC0103 M3305
VACUUM	J-GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
VACUUM	J-GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)	AA0117 M3175A
VACUUM	M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)	BE0803 M3016
VACUUM	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
VACUUM	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
VACUUM	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
VACUUM	MEETING OF AMERICAN VACUUM SOCIETY STANDARDS COMMITTEE (TRIP REPORT. F REINATH. 6/28/65, 6P)	AA0102 M3589

VACUUM	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
VACUUM	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
VACUUM	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION-SCIENTIFIC, MODEL-150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
VACUUM	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
VACUUM	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
VACUUM	PERFORMANCE TEST OF A CHA-INDUSTRIES 6-IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
VACUUM	PERFORMANCE TEST ON A KINNEY KTC-21 MECHANICAL VACUUM PUMP (F REINATH. 9/9/65, 10P UCID 2636)	AB0105 M3608
VACUUM	PERFORMANCE TEST ON NUMBER 2 32-INCH DIFFUSION VACUUM PUMP (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 4/25/66, 6P)	CB0120 M3733
VACUUM	POLE-PIECE SEALS, PROPOSAL FOR DIFFERENTIAL VACUUM PUMPING (88-INCH CYCLOTRON. F REINATH. 8/13/65, 22P)	CB0120 M3604
VACUUM	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
VACUUM	PROCEDURES FOR PROPOSED EVALUATION OF TRIODE VERSUS DIODE SPUTTER-ION VACUUM PUMPS, PUMPING-SPEED FOR VARIOUS GASES (F REINATH. 11/3/65, 7P UCID 2656)	AB0105 M3624
VACUUM	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CROSBY. 4/1/63, 5P)	BE0906 M3022
VACUUM	PROTECTION OF VACUUM FURNACE IN BUILDING-25 AGAINST DAMAGE FROM POWER-FAILURE (HYDROGEN SAFETY COMMITTEE. G BEHRING. 2/28/66, 2P)	AA0300 M3704
VACUUM	PUMPING-SPEED TEST FOR AIR OF A HERAEUS MODEL R152 MECHANICAL BOOSTER VACUUM PUMP (MECHANICAL TECHNOLOGY, VACUUM EQUIPMENT EVALUATION. F REINATH. 10/14/65, 9P)	AB0105 M3616
VACUUM	RELATIVE PERFORMANCE AND COSTS OF VARIOUS PROPOSED VACUUM PUMPING-SYSTEMS (88-INCH CYCLOTRON VACUUM SYSTEM. F REINATH. 5/25/66 R 6/8/66, 7P)	CB0120 M3744A
VACUUM	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295

VACUUM	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
VACUUM	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
VACUUM	SEALS, VACUUM, PRESSURE, HYDRAULIC (SEE THIS CODE IN SECTION II)	CODE AA0117
VACUUM	STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)	RC0103 M3309
VACUUM	SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II)	CODE AB0403
VACUUM	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE (G PFAFF. 7/31/64, R2/10/65, 27P UCID 2343)	AA0112 M3364A
VACUUM	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A
VACUUM	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
VACUUM	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
VACUUM	TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790)	AA0102 M3735
VACUUM	ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)	RC0100 M3350A
VACUUM	UNIVERSAL BALL VACUUM MECHANICAL FEED-THRU (BEVATRON EXPERIMENTAL FACILITIES TRAVELING TARGET RETRIEVAL MULE. K STONE. 4/22/66, 2P UCID 2783)	BE0702 M3731
VACUUM	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
VACUUM	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
VACUUM	VACUUM PRACTICES, EQUIPMENT, MATERIALS (SEE THIS CODE IN SECTION II)	CODE AA0112
VACUUM	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
VACUUM	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310

VACUUM	VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P)	AA0102 M3548
VACUUM	VESSELS, VACUUM, PRESSURE (SEE THIS CODE IN SECTION II)	CODE AA0113
VACUUM	VISIT TO BROOKHAVEN AGS AND AMERICAN VACUUM SYMPOSIUM (TRIP AND CONFERENCE REPORT. J SUSTA. 11/16/65, 1P)	AA0102 M3631
VACUUM	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
VACUUM	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
VACUUM	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
VACUUM=CHAMBER	ADVANCED-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER (SEE THIS CODE IN SECTION II)	CODE AC0801
VACUUM=CHAMBER	COMPARATIVE STUDY OF VACUUM-CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)	AC0801 M3227
VACUUM=CHAMBER	MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363)	AC0801 M3292A
VACUUM=CHAMBER	OPTIMIZATION OF LENGTH FOR CERAMIC VACUUM-CHAMBER ENVELOPES (ADVANCED ACCELERATOR DESIGN STUDY, BOOSTER SYNCHROTRON. P CLEE. 6/28/66, 11P)	AC0305 M3773
VACUUM=CHAMBER	VACUUM-CHAMBER, EARLY TESTING REQUIREMENTS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. J SUSTA. 4/5/66, 4P)	AC0801 M3723
VACUUM=CHAMBER	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM-CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
VACUUM=ENVELOPE	EDDY-CURRENTS IN METAL FLANGE BETWEEN CERAMIC VACUUM-ENVELOPE SECTIONS (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 7P)	AC0305 M3527
VACUUM=ENVELOPE	EVACUATION OF VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 4P)	AC0305 M3528
VACUUM=ENVELOPE	STRESS IN CERAMIC VACUUM-ENVELOPE (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/19/65, 5P)	AC0305 M3529
VACUUM-JACKET	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
VACUUM=SYSTEM	ADVANCED-ACCELERATOR, INJECTOR SYNCHROTRON, VACUUM=SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0305
VACUUM=SYSTEM	ADVANCED-ACCELERATOR, MAIN VACUUM=SYSTEM (SEE THIS CODE IN SECTION II)	CODE AC0800

VACUUM-SYSTEM	ADVANCED-ACCELERATOR, MAIN VACUUM-SYSTEM, VACUUM-CHAMBER (SEE THIS CODE IN SECTION II)	CODE AC0801
VACUUM-SYSTEM	AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P)	AC0800 M3519
VACUUM-SYSTEM	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. P HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
VACUUM-SYSTEM	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. P HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
VACUUM-SYSTEM	DEFINITION OF PROBLEMS IN MAIN VACUUM-SYSTEM (ADVANCED ACCELERATOR. F REINATH. 2/17/64, 18P UCID 2127)	AC0800 M3263
VACUUM-SYSTEM	MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)	AC0800 M3241B
VACUUM-SYSTEM	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
VACUUM-SYSTEM	MAIN VACUUM-SYSTEM, OVERALL COST ESTIMATE (ADVANCED ACCELERATOR. W SALSIG. J SUSTA. 2/24/65 R12/23/65, 11P)	AC0800 M3559A
VACUUM-SYSTEM	PROPOSED VACUUM-SYSTEM COMPONENTS (ADVANCED ACCELERATOR, INJECTION SYSTEM, LINEAR ACCELERATOR. W EATON, F REINATH. 6/13/66, 6P)	AC0305 M3762
VACUUM-SYSTEM	VACUUM-SYSTEM DESIGN PARAMETERS, MATERIALS SELECTION, FABRICATION (ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON. G BEHRING. 3/30/65, 12P)	AC0305 M3530
VACUUM-SYSTEM	VACUUM-SYSTEM, PRELIMINARY STUDY (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. V KOPYTOFF. 5/4/64, 2P)	SPEC. M366
VACUUM-SYSTEM	88-IN CYCLOTRON, MECHANICAL, VACUUM-SYSTEM (SEE THIS CODE IN SECTION II)	CODE CB0120
VACUUM-TIGHT	ALUMINUM TO STAINLESS VACUUM-TIGHT CRYOGENIC TRANSITION JOINTS (CHEMISTRY RESEARCH, GENERAL. R REIMERS. 5/24/66, 1P.)	RC0100 M3750
VALVE	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)	BE1805 M3272
VALVES	CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P)	AA0300 M3641
VALVES	HIGH-PRESSURE GAS VALVES (HYDROGEN SAFETY COMMITTEE. R BYRNS. 12/10/65, 1P)	AA0300 M3643

VALVES	STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)	RC0103 M3309
VAN	VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63, R1/27/64, 5P)	SPEC. M3508
VANADIUM	VANADIUM PERMENDUR MAGNET POLE-TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
VARIAN	TRIP TO VARIAN VACUUM SEMINAR (R REIMERS. 4/27/66, 3P UCID 2790)	AA0102 M3735
VARIAN	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310
VARIAN	VARIAN VACUUM TECHNOLOGY SEMINAR III (J SUSTA. 4/27/65, 1P)	AA0102 M3548
VARIAN-ASSOCIATES	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
VECTOR	AN INTRODUCTION TO VECTOR ALGEBRA (R SCHWARZ. 3/22/65 R4/20/65, 17P)	AA0123 M3525A
VEHICLE	COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738)	AC1300 M3659
VEHICLE	SHIELDED MANIPULATOR VEHICLE TUNNEL OPERATING CLEARANCES (ADVANCED ACCELERATOR HANDLING EQUIPMENT. D MORRIS. 4/8/65 R1/3/66, 2P)	AC1300 M3535A
VEHICLE	SHIELDED MANIPULATOR VEHICLE COST ESTIMATE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. R KREVITT. 12/20/65, 4P UCID 2740)	AC1300 M3662
VEHICLE	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, ANALYSIS OF FORCES RESISTING ITS MOVEMENT (ADVANCED ACCELERATOR STUDY. J SATTI. 7/27/65, 12P)	AC1200 M3601
VEHICLE	SHIELDING DOOR FOR VEHICLE ENTRANCE TYPE A, DESIGN AND COST ESTIMATE OF THE DRIVING MECHANISM (ADVANCED ACCELERATOR STUDY. J SATTI. 7/28/65, 20P)	AC1200 M3602
VEHICLE	WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)	AC1300 M3626
VELLUM	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
VELOCITY	BEVATRON, EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, POWER-SUPPLIES (SEE THIS CODE IN SECTION II)	CODE BE0708



VELOCITY	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
VELOCITY	VELOCITY SPECTROMETERS MARK-V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M351B
VELOCITY	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
VELOCITY	VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. P HERNANDEZ. 7/16/63, 18P)	BE0708 M3102
VELOCITY	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
VENT	CHECK VALVES VS GOOSENECKS FOR LH2 DEWAR VENT LINES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/7/65, 1P)	AA0300 M3641
VENTILATION	VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 8/16/65, 7P)	AA0300 M3606
VENTILATION	VENTILATION IN ROOMS 127A AND 127B, BUILDING-62 (MINUTES OF HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 10/26/65, 1P)	AA0300 M3621
VENTS	BEVATRON, EXPERIMENTAL FACILITIES, SAFETY EQUIPMENT. HYDROGEN VENTS, MONITORING, ETC. (SEE THIS CODE IN SECTION II)	CODE BE0709
VESSEL	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
VESSEL	FOUR-FOOT CERENKOV COUNTER VESSEL (GENERAL PHYSICS RESEARCH, LOFGREN, FALL 1965. J WALTER. 9/13/65, 2P)	SPEC M385
VESSEL	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
VESSEL	SAFETY TESTING OF A SPARK-GAP PRESSURE VESSEL (HYDROGEN SAFETY COMMITTEE. P BRAY. 6/27/66, 8P)	AA0300 M3772
VESSEL	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
VESSELS	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011

VESSELS	VESSELS, VACUUM, PRESSURE (SEE THIS CODE IN SECTION II)	CODE AA0113
VIBRATION	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
VIBRATION	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
VIBRATION	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
VIBRATION	REDUCTION OF VIBRATION CAUSED BY MG-SET (BEVATRON INJECTOR-II ION GUN HIGH-VOLTAGE TERMINAL. W EATON. 4/12/63, 3P)	BE0903 M3028
VIBRATION	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
VISIBILITY	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHEL. 5/9/63, 3P)	RC0103 M3049
VISUAL	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
VISUAL	INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS 1965 (CONFERENCE AND TRIP REPORT. P BEAN. 12/10/65, 2P)	AA0102 M3644
VISUAL	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
VOLUME	AREA AND VOLUME OF MAIN-RING VACUUM-SYSTEM (ADVANCED ACCELERATOR. W SALSIG. 3/25/65, 4P)	AC0800 M3519
VOLUME	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)	BE0708 M3324A
WALKING-MECHANISM	MAGNET CARRIAGE HYDRAULIC WALKING-MECHANISM, DESCRIPTION AND MANUAL OF OPERATION, MAINTENANCE, AND REPAIR (72-INCH HYDROGEN BUBBLE CHAMBER. F BIERLEIN. 12/10/58, 58P)	HD0103 M3751

WALL	PRESTRIPPER AND POSTSTRIPPER TANK WALL COOLING (HEAVY ION ACCELERATOR. R BYRNS. 6/3/65, 24P)	LA0107 M3576
WALL	PRESTRIPPER AND POSTSTRIPPER TANK WALL HEATING AND OUTGASSING SCHEME, HEAT-BALANCE (HEAVY ION ACCELERATOR, COOLING SYSTEM. J HAUGHIAN. 10/4/65, 7P)	LA0107 M3611
WALL	REQUEST FOR EQUIPMENT-FABRICATION MONEY AND COST ESTIMATE SHIELDING, ROOF AND WALL BLOCKS, EXPERIMENTAL CAVES (184-INCH CYCLOTRON. A DANCOSSE. L GLASGOW. 3/15/66 3/18/66, 3P)	CA0203 M3709A
WALL	SEISMIC STABILITY OF A 5-FT-WIDE BY 15-FT-HIGH STACKED CONCRETE BLOCK SHIELDING WALL. (O CALLAHAN. 5/26/66, 1P. UCID 2803)	AA0116 M3753
WALL	TANK WALL COOLING-SYSTEM, OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR, PRESTRIPPER AND POSTSTRIPPER. J HAUGHIAN. 7/13/65, 6P)	LA0107 M3595
WALL	TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
WALL	WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
WALL-THICKNESS	MATERIAL AND WALL-THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM-CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363)	AC0801 M3292A
WATER	A NEW TYPE WATER FLOWSWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)	AB0101 M3340
WATER	AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)	BE0705 M3208
WATER	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
WATER	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
WATER	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
WATER	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
WATER	FREON-11 TO WATER HEAT-EXCHANGER (OMNITRON STUDY RF RESONATOR MODEL, HIGH FREQUENCY, FERRITE COOLING. E HOYER. 1/4/66, 1P)	SPEC M393

WATER	HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)	LA0107 M3417
WATER	MAGNET COOLING WATER PIPE COST STUDY SERVICE TO MAGNETIC MANIFOLD (ADVANCED ACCELERATOR, MAIN RING. D MORRIS. 3/22/65, 2P)	AC0500 M3533
WATER	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
WATER	ONE-HALF INCH WATER FLOW SWITCH (HEAVY-ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P)	LA0102 M3189
WATER	PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331)	AA0114 M3047
WATER	TEMPERATURE-DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
WATER-COOLED	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
WATER-COOLED	TEMPERATURE-DISTRIBUTION IN A WATER-COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)	AA0123 M3130
WATER-COOLED	WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
WATER-SYSTEM	ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)	BE0104 M3112
WATER-SYSTEM	CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)	BE0905 M3006
WATER-SYSTEM	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, INVESTIGATION OF PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 9/30/65, 4P)	CB0140 M3610
WATER-SYSTEM	LOW-CONDUCTIVITY COOLING WATER-SYSTEM, EFFECT OF INCREASED FLOW-RATE ON PUMPING NOISE (88-INCH CYCLOTRON, MECHANICAL. J DORWARD. 10/15/65, R10/20/65, 3P)	CB0140 M3618A
WATER-SYSTEM	88-IN CYCLOTRON, MECHANICAL, WATER-SYSTEM IN PIT (SEE THIS CODE IN SECTION II)	CODE CB0140
WAVEGUIDE	ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P)	AC0200 M3341
WAVEGUIDE	ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P)	AC0200 M3202

WEATHERHEAD	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
WEATHERHEAD	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
WEIGHT	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
WEIGHT	SUPPORT BEAM COST DIFFERENTIALS FOR WEIGHT AND LENGTH CHANGES IN ALTERNATING-GRADIENT MAGNETS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 1/27/65, 3P)	AC0404 M3522
WEIGHT	THE INFLUENCE OF EXCEPTIONALLY LONG SPAN ON OVERHEAD CRANE DESIGN PARAMETERS, COST, AND WEIGHT (ADVANCED ACCELERATOR, LONG AND SHORT EXTERNAL PROTON BEAM AREAS AND INTERNAL TARGET AREA. J DORWARD. 12/16/65, 18P)	AC1120 M3648
WEIGHTS	GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)	AA0114 M3382B
WEIGHTS	LISTING OF COSTS, WEIGHTS, AND SUPPLIERS OF PURCHASED MAGNETS (DECEMBER 1962 TO JUNE 1964. MECHANICAL ENGINEERING, GENERAL. L HENDERSON, I SNYDER, R MEUSER. 8/5/64 R3/30/65, 7P UCID 2341)	AA0114 M3383A
WELCH	PUMPING-SPEED FOR AIR, PUMPDOWN FROM IN2 EXPOSURE, AND LONG-RANGE PERFORMANCE OF A WELCH TURBOMOLECULAR PUMP UNIT MODEL 3102A (F REINATH. 2/2/66, 9P UCID 2749)	AB0105 M3681
WELDED	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
WELDING	ENGINEERING-FLIGHT GONDOLA FABRICATION AND WELDING REQUIREMENTS (HIGH ALTITUDE PARTICLE PHYSICS, NASA. J CULLEN. W POPE. 3/2/66, 4P)	SPEC M396
WELDING	WELDING, BRAZING, SOLDERING (SEE THIS CODE IN SECTION II)	CODE AA0121
WESCON	VISIT TO 1964 WESCON AT LOS ANGELES (TRIP REPORT. S JOHNSON. 8/26/64, 1P)	AA0102 M3396
WESCON	WESCON SHOW, 1964 (TRIP REPORT. R REIMERS. 8/27/64, 1P)	AA0102 M3397
WESGO	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503

WESTERN-GOLD-AND-PL	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)	RC0103 M3204
WHOLE-BODY	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
WHOLE-BODY	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
WHOLE-BODY	WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P)	RB0101 M3413
WINDING	BEVATRON, MAGNET COIL, END WINDING SUPPORTS (SEE THIS CODE IN SECTION II)	CODE BE1305
WINDING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 8/22/63, R9/19/63, 4P)	BE0702 M3123A
WINDING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136
WINDING	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED 6/25/63, 54P)	BE1305 M3089
WINDOW	WINDOW REFLECTIONS, DISPLACEMENT OF (82-INCH BUBBLE CHAMBER OPTICS. D NORGREN. 3/11/66, 2P)	HD0203 M3707
WINDOWS	BEVATRON, VACUUM ENVELOPE, BEAM EXIT NOZZLES AND WINDOWS (SEE THIS CODE IN SECTION II)	CODE BE1805
WINDOWS	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
WINDOWS	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
WINDOWS	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
WINDOWS	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
WIRE	SUPERCONDUCTING SOLENOID, HEATING OF COPPER-CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479

WIRE	SURVEY AND ALIGNMENT; OVERLAPPING WIRE SURVEY, INSTRUMENT ERRORS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/9/65, 4P)	AC0406 M3603
WIRE	SURVEY AND ALIGNMENT; OVERLAPPING WIRE SURVEY, PART II (ADVANCED ACCELERATOR MAIN MAGNET RING STRUCTURE. W CHAMBERLAIN. 8/30/65, 5P)	AC0406 M3607
WORK	MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)	AC0101 M3216
WORK	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467
WORK	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
WORK	WORK FOR SLAC (SEE THIS CODE IN SECTION II)	CODE AA0901
WORK	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY-1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
WORK-CENTER	COST ESTIMATE OF THE WORK-CENTER VEHICLE (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 12/22/65, 4P UCID 2738)	AC1300 M3659
WORK-CENTER	WORK-CENTER VEHICLE ELECTRIC MOTOR DRIVING MECHANISM (ADVANCED ACCELERATOR, HANDLING EQUIPMENT. J SATTI. 11/4/65, 8P)	AC1300 M3626
WORK-SHEET	WORK-SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)	AA0123 M3009
WORKSHOP	WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63. 4P)	AA0102 M3201
WRITING	UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P)	AA0102 M3205A
WRITING	WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63. 4P)	AA0102 M3201
X-RAY	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
X-RAY	SUPPORT DIVISION, VACUUM X-RAY FACILITY (SEE THIS CODE IN SECTION II)	CODE AB0403
X-Y	MASTER PLATE FOR X-Y SCALER (R WEBER. 6/15/66, R6/17/66, R6/23/66, 2P)	SPEC M401B
X-Y	RADIATION DOSIMETRY X-Y SCANNER (BIOLOGY AND MEDICINE, INSTRUMENTATION FOR MEDICAL PHYSICS. F TOBY. 12/10/65, 3P)	RB0101 M3642

YARDWORK	SUBROUTINE PLACOS FOR THE STUDY OF UTILITIES, UTILITY-PENETRATIONS, EARTHWORK, YARDWORK, AND BUILDINGS FOR VARIOUS TYPES OF INJECTOR SYNCHROTRONS (ADVANCED ACCELERATOR. P HERNANDEZ. M GREEN. 5/18/66, 8P)	AC0300 M3745
YEARLY	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (Troxell, Raphael, Davis Criteria) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W Salsig. 4/25/64, 3P)	AC0404 M3321
YOKE	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
YOKE	FLUX-DISTRIBUTION IN MAGNET YOKE CORNER BY CONFORMAL MAPPING (R SCHWARZ. V KOPYTOFF. 6/15/65, 8P)	AA0114 M3570
YOKE	MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)	AC0501 M3453
YOKE	RELUCTANCE OF A CORNER OF A MAGNET YOKE (R MEUSER. 5/27/65, 2P)	AA0114 M3571
YOKES	GRAPHS OF COSTS VS WEIGHTS OF MAGNET COILS AND YOKES (MECHANICAL ENGINEERING, GENERAL. R MEUSER. 8/4/64 R3/30/65 R12/14/65, 7P UCID 2338)	AA0114 M3382B
YOUNGS	HOMALITE CR-39 PLASTIC, YOUNGS MODULUS OF (D NORGREN. 6/16/66, 1P)	AA0106 M3764
ZAPON	THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O'CONNELL. 5/3/63, 4P)	AA0503 M3104
ZGS	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
ZINC	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373



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