

UC Irvine

UC Irvine Previously Published Works

Title

Erratum: Towards a muon collider

Permalink

<https://escholarship.org/uc/item/3h89585n>

Journal

European Physical Journal C, 84(1)

ISSN

1434-6044

Authors

Accettura, Carlotta

Adams, Dean

Agarwal, Rohit

et al.

Publication Date

2024

DOI

10.1140/epjc/s10052-023-12257-5

Copyright Information

This work is made available under the terms of a Creative Commons Attribution License, available at <https://creativecommons.org/licenses/by/4.0/>

Peer reviewed



Erratum: Towards a muon collider

Carlotta Accettura¹, Dean Adams², Rohit Agarwal³, Claudia Ahdida¹, Chiara Aimè^{4,5}, Nicola Amapane^{6,7}, David Amorim¹, Paolo Andreotto⁸, Fabio Anulli⁹, Robert Appleby¹⁰, Artur Apresyan¹¹, Aram Apyan¹², Sergey Arsenyev¹³, Pouya Asadi¹⁴, Mohammed Attia Mahmoud¹⁵, Aleksandr Azatov^{16,17}, John Back¹⁸, Lorenzo Balconi^{19,20}, Laura Bandiera²¹, Roger Barlow²², Nazar Bartosik⁶, Emanuela Barzi^{11,23}, Fabian Batsch¹, Matteo Bauge⁹, J. Scott Berg²⁴, Andrea Bersani²⁵, Alessandro Bertarelli¹, Alessandro Bertolin⁸, Kevin Black²⁶, Fulvio Boattini¹, Alex Bogacz²⁷, Maurizio Bonesini^{28,29}, Bernardo Bordini¹, Salvatore Bottaro^{30,31}, Luca Bottura¹, Alessandro Braghieri⁵, Marco Breschi^{32,33}, Natalie Bruhwiler³⁴, Xavier Buffat¹, Laura Buonincontri^{8,35}, Philip N. Burrows³⁶, Graeme Burt³⁷, Dario Buttazzo³¹, Barbara Caiffi²⁵, Marco Calviani¹, Simone Calzaferri⁵, Daniele Calzolari¹, Rodolfo Capdevilla¹¹, Christian Carli¹, Fausto Casaburo^{9,38}, Massimo Casarsa¹⁷, Luca Castelli^{9,38}, Maria Gabriella Catanesi³⁹, Lorenzo Cavallucci^{32,33}, Gianluca Cavoto^{9,38}, Francesco Giovanni Celiberto^{40,41,42}, Luigi Celona⁴³, Alessandro Cerri⁴⁴, Gianmario Cesarini⁴⁵, Cari Cesarotti¹⁴, Grigorios Chachamis⁴⁶, Antoine Chance¹³, Siyu Chen⁴⁷, Yang-Ting Chien⁴⁸, Mauro Chiesa⁵, Anna Colaleo^{39,49}, Francesco Collamati⁹, Gianmaria Collazuol^{8,35}, Marco Costa^{30,31}, Nathaniel Craig⁵⁰, Camilla Curatolo⁵¹, David Curtin⁵², Giacomo Da Molin⁴⁶, Magnus Dam⁵³, Heiko Damerau¹, Sridhara Dasu²⁶, Jorge de Blas^{1,54}, Stefania De Curtis^{55,56}, Ernesto De Matteis²⁰, Stefania De Rosa⁵⁷, Jean-Pierre Delahaye¹, Dmitri Denisov²⁴, Haluk Denizli⁵⁸, Christopher Densham², Radovan Dermisek⁵⁹, Luca Di Luzio^{8,35}, Elisa Di Meco⁴⁵, Biagio Di Micco^{57,60}, Keith Dienes^{61,62}, Eleonora Diociaiuti⁴⁵, Tommaso Dorigo⁸, Alexey Dudarev¹, Robert Edgecock²², Filippo Errico^{39,49}, Marco Fabbrichesi¹⁷, Stefania Farinon²⁵, Anna Ferrari⁶³, Jose Antonio Ferreira Somoza¹, Frank Filthaut⁶⁴, Davide Fiorina⁵, Elena Fol¹, Matthew Forsslund⁶⁵, Roberto Franceschini^{57,60}, Rui Franqueira Ximenes¹, Emidio Gabrielli^{17,66}, Michele Gallinaro⁴⁶, Francesco Garosi¹⁶, Luca Giambastiani^{8,35}, Alessio Gianelle⁸, Simone Gilardoni¹, Dario Augusto Giove²⁰, Carlo Giralдин³⁵, Alfredo Glioti⁶⁷, Mario Greco^{57,60}, Admir Greljo⁶⁸, Ramona Groeber^{8,35}, Christophe Grojean^{69,70}, Alexej Grudiev¹, Jiayin Gu⁷¹, Chengcheng Han⁷², Tao Han⁷³, John Hauptman⁷⁴, Brian Henning⁴⁷, Keith Hermanek⁵⁹, Matthew Herndon²⁶, Tova Ray Holmes⁷⁵, Samuel Homiller⁷⁶, Guoyuan Huang⁷⁷, Sudip Jana⁷⁷, Sergo Jindariani¹¹, Paul Bogdan Jurj², Yonatan Kahn⁷⁸, Ivan Karpov¹, David Kelliher², Wolfgang Kilian⁷⁹, Antti Kolehmainen¹, Kyoungchul Kong⁸⁰, Patrick Koppenburg⁸¹, Nils Kreher⁷⁹, Georgios Krintiras⁸⁰, Karol Krizka⁸², Gordan Krnjaic¹¹, Benjamin T. Kuchma⁸³, Nilanjana Kumar⁸⁴, Anton Lechner¹, Lawrence Lee⁷⁵, Qiang Li⁸⁵, Roberto Li Voti^{9,38}, Ronald Lipton¹¹, Zhen Liu⁸⁶, Shivani Lomte²⁶, Kenneth Long^{2,87}, Jose Lorenzo Gomez⁸⁸, Roberto Losito¹, Ian Low^{89,90}, Qianshu Lu⁷⁶, Donatella Lucchesi^{8,35}, Lianliang Ma⁹¹, Yang Ma³³, Shinji Machida², Fabio Maltoni^{92,93}, Marco Mandurrino⁶, Bruno Mansoulie¹³, Luca Mantani⁹⁴, Claude Marchand¹³, Samuele Mariotto^{19,20}, Stewart Martin-Haugh², David Marzocca¹⁷, Paola Mastrapasqua⁹², Giorgio Mauro⁹⁵, Andrea Mazzolari^{21,96}, Navin McGinnis⁹⁷, Patrick Meade⁶⁵, Barbara Mele⁹, Federico Meloni⁶⁹, Matthias Mentink¹, Claudia Merlassino¹⁷, Elias Metral¹, Rebecca Miceli³², Natalia Milas⁹⁸, Nikolai Mokhov¹¹, Alessandro Montella⁹⁹, Tim Mulder¹, Riccardo Musenich²⁵, Marco Nardecchia^{9,38}, Federico Nardi^{8,35}, Niko Neufeld¹, David Neuffer¹¹, Daniel Novelli^{25,100}, Yasar Onel¹⁰¹, Domizia Orestano^{57,60}, Daniele Paesani⁴⁵, Simone Pagan Griso¹⁰², Mark Palmer²⁴, Paolo Panci^{31,103}, Giuliano Panico^{55,56}, Rocco Paparella²⁰, Paride Paradisi^{8,35}, Antonio Passeri⁵⁷, Nadia Pastrone⁶, Antonello Pellecchia⁴⁹, Fulvio Piccinini⁵, Alfredo Portone⁸⁸, Karolos Potamianos¹⁰⁴, Marco Prioli²⁰, Lionel Quettier¹³, Emilio Radicioni³⁹, Raffaella Radogna^{39,49}, Riccardo Rattazzi⁴⁷, Diego Redigolo⁵⁵, Laura Reina¹⁰⁵, Elodie Resseguie¹⁰², Jürgen Reuter⁶⁹, Pier Luigi Ribani^{32,33}, Cristina Riccardi^{4,5}, Lorenzo Ricci¹⁰⁶, Stefania Ricciardi², Luciano Ristori¹¹, Tania Natalie Robens^{1,107}, Werner Rodejohann⁷⁷, Chris Rogers², Marco Romagnoni²¹, Kevin Ronald¹⁰⁸, Lucio Rossi^{19,20}

Richard Ruiz¹⁰⁹ , Farinaldo S. Queiroz¹¹⁰ , Filippo Sala^{33,93} , Jakub Salko⁶⁸ , Paola Salvini⁵ ,
 Ennio Salvioni^{8,35} , Jose Santiago⁵⁴ , Ivano Sarra⁴⁵ , Francisco Javier Saura Esteban¹ , Jochen Schieck¹¹¹ ,
 Daniel Schulte¹ , Michele Selvaggi¹ , Carmine Senatore¹¹² , Abdulkadir Senol⁵⁸ , Daniele Sertore²⁰ ,
 Lorenzo Sestini⁸ , Varun Sharma²⁶ , Vladimir Shiltsev¹¹ , Jing Shu¹¹³ , Federica Maria Simone^{39,49} ,
 Rosa Simoniello¹ , Kyriacos Skoufaris¹ , Massimo Sorbi^{19,20} , Stefano Sorti^{19,20} , Anna Stamerra^{39,49} ,
 Steinar Stapnes¹ , Giordon Holtsberg Stark¹¹⁴ , Marco Statera²⁰ , Bernd Stechauner^{1,111} ,
 Daniel Stolarski¹¹⁵ , Diktys Stratakis¹¹ , Shufang Su⁶¹ , Wei Su¹¹⁶ , Olcyr Sumensari¹¹⁷ , Xiaohu Sun¹¹⁸ ,
 Raman Sundrum¹⁰⁶ , Maximilian J. Swiatlowski⁹⁷ , Alexei Sytov^{21,119} , Tim M. P. Tait¹²⁰ , Jingyu Tang^{121,122} ,
 Jian Tang^{72,122} , Andrea Tesi⁵⁵ , Pietro Testoni⁸⁸ , Brooks Thomas¹²³ , Emily Anne Thompson¹⁰² ,
 Riccardo Torre²⁵ , Ludovico Tortora⁵⁷ , Luca Tortora^{57,124} , Sokratis Trifinopoulos¹⁷ , Iliaria Vai^{4,5} ,
 Marco Valente⁹⁷ , Riccardo Umberto Valente²⁰ , Alessandro Valenti^{8,35} , Nicolò Valle^{4,5} ,
 Ursula van Rienen^{125,126} , Rosamaria Venditti^{39,49} , Arjan Verweij¹ , Piet Verwilligen³⁹ ,
 Ludovico Vittorio¹²⁷ , Paolo Vitulo^{4,5} , Liantao Wang¹²⁸ , Hannsjorg Weber⁷⁰ , Mariusz Wozniak¹ ,
 Richard Wu³⁴ , Yongcheng Wu¹²⁹ , Andrea Wulzer^{130,131,a} , Keping Xie⁷³ , Akira Yamamoto¹³² ,
 Yifeng Yang¹³³ , Katsuya Yonehara¹¹ , Sangsik Yoon⁵⁹ , Angela Zaza^{39,49} , Xiaoran Zhao^{57,60} ,
 Alexander Zlobin¹¹ , Davide Zuliani^{8,35} , Jose Zurita¹³⁴ 

¹ Organisation Européenne pour la Recherche Nucléaire (CERN), Genève 23, 1211 Geneva, Switzerland

² STFC Rutherford Appleton Laboratory (RAL), Harwell, Oxford, UK

³ Computer Science Department, University of California (UC), Berkeley, CA 94720-1776, USA

⁴ Dipartimento di Fisica, Università di Pavia, Via Bassi 6, 27100 Pavia, Italy

⁵ INFN Sezione di Pavia, via Bassi 6, 27100 Pavia, Italy

⁶ INFN Sezione di Torino, via Giuria 1, 10125 Turin, Italy

⁷ Dipartimento di Fisica, Università di Torino, Via Giuria 1, 10125 Turin, Italy

⁸ INFN Sezione di Padova, Via Marzolo 8, 35131 Padua, Italy

⁹ INFN Sezione di Roma, Piazzale Aldo Moro 2, 00185 Rome, Italy

¹⁰ School of Physics and Astronomy, University of Manchester, Oxford Road, Manchester M13 9PL, UK

¹¹ Fermi National Accelerator Laboratory, Batavia, IL 60510, USA

¹² Department of Physics, Brandeis University, Waltham, MA, USA

¹³ IRFU, CEA, University Paris-Saclay, Gif-sur-Yvette, France

¹⁴ Center for Theoretical Physics, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

¹⁵ Center for High Energy Physics (CHEP-FU), Fayoum University, El-Fayoum 63514, Egypt

¹⁶ SISSA International School for Advanced Studies, Via Bonomea 265, 34136 Trieste, Italy

¹⁷ INFN Sezione di Trieste, via Valerio 2, 34127 Trieste, Italy

¹⁸ Department of Physics, University of Warwick, Coventry CV4 7AL, UK

¹⁹ Dipartimento di Fisica, Università di Milano, Via Celoria 16, 20133 Milan, Italy

²⁰ INFN Laboratori Acceleratori e Superconduttività Applicata (LASA), Via Fratelli Cervi 201, Segrate, 20054 Milan, Italy

²¹ INFN Sezione di Ferrara, via Saragat 1, 44122 Ferrara, Italy

²² School of Computing and Engineering, The University of Huddersfield, Huddersfield HD1 3DH, UK

²³ Ohio State University, Columbus, OH 43210, USA

²⁴ Brookhaven National Laboratory, Upton, USA

²⁵ INFN Sezione di Genova, via Dodecaneso 33, 16146 Genoa, Italy

²⁶ University of Wisconsin, Wisconsin, USA

²⁷ Center for Advanced Studies of Accelerators, Jefferson Lab, Newport News, VA 23606, USA

²⁸ INFN Sezione di Milano Bicocca, Piazza della Scienza 3, 20126 Milan, Italy

²⁹ Dipartimento di Fisica, Università di Milano Bicocca, Piazza della Scienza 3, 20126 Milan, Italy

³⁰ Scuola Normale Superiore, Piazza dei Cavalieri 7, 56126 Pisa, Italy

³¹ INFN Sezione di Pisa, Largo Pontecorvo 3, 56127 Pisa, Italy

³² Dipartimento di Ingegneria dell'Energia Elettrica e dell'Informazione, Università di Bologna, Viale Risorgimento 2, 40136 Bologna, Italy

³³ INFN Sezione di Bologna, Viale Carlo Berti Pichat 6/2, 40127 Bologna, Italy

³⁴ Department of Physics, University of California (UC), Berkeley, CA 94720-1776, USA

³⁵ Dipartimento di Fisica e Astronomia, Università di Padova, Via Marzolo 8, 35131 Padova, Italy

³⁶ John Adams Institute, University of Oxford, Denys Wilkinson Bldg., Keble Road, Oxford OX1 3RH, UK

³⁷ Department of Engineering, Lancaster University, Lancaster LA1 4YW, UK

³⁸ Dipartimento di Fisica, Sapienza Università di Roma, Piazzale Moro 2, 00185 Rome, Italy

³⁹ INFN Sezione di Bari, Via Orabona 4, 70125 Bari, Italy

⁴⁰ European Centre for Theoretical Studies in Nuclear Physics and Related Areas (ECT*), Villazzano, 38123 Trento, Italy

⁴¹ INFN-TIFPA Trento Institute of Fundamental Physics and Applications, Povo, 38123 Trento, Italy

⁴² Departamento de Física y Matemáticas, Universidad de Alcalá (UAH), Campus Universitario, Alcalá de Henares, 28805 Madrid, Spain

⁴³ INFN Sezione di Catania, Via Santa Sofia 64, 95129 Catania, Italy

⁴⁴ MPS School, University of Sussex, Sussex House, Brighton BN19QH, UK

⁴⁵ INFN Laboratori Nazionali di Frascati (LNF), Via Fermi 40, Frascati, 00044 Rome, Italy

- 46 Laboratório de Instrumentação e Física Experimental de Partículas (LIP), Lisbon, Portugal
- 47 Theoretical Particle Physics Laboratory (LPTP), Institute of Physics, EPFL, Lausanne, Switzerland
- 48 Physics and Astronomy Department, Georgia State University, Atlanta, GA 30303, USA
- 49 Dipartimento di Fisica, Università di Bari, Via Amendola 173, 70125 Bari, Italy
- 50 University of California, Santa Barbara, USA
- 51 INFN Sezione di Milano, Via Celoria 16, 20133 Milan, Italy
- 52 Department of Physics, University of Toronto, Toronto, Canada
- 53 Institute for Technical Physics (ITEP), Karlsruhe Institute of Technology (KIT), 76344 Eggenstein-Leopoldshafen, Germany
- 54 CAFPE and Departamento de Física Teórica y del Cosmos, Universidad de Granada, 18071 Granada, Spain
- 55 INFN Sezione di Firenze, Via Bruno Rossi 3, Sesto Fiorentino, 50019 Florence, Italy
- 56 Dipartimento di Fisica e Astronomia, Università di Firenze, Via Sansone 1, Sesto Fiorentino, 50019 Florence, Italy
- 57 INFN Sezione di Roma Tre, Via della Vasca Navale 84, 00146 Rome, Italy
- 58 Department of Physics, Bolu Abant Izzet Baysal University, 14280 Bolu, Turkey
- 59 Physics Department, Indiana University, Bloomington, IN 47405, USA
- 60 Dipartimento di Matematica e Fisica, Università Roma Tre, Via della Vasca Navale 84, 00146 Rome, Italy
- 61 Department of Physics, University of Arizona, Tucson, AZ 85721, USA
- 62 Department of Physics, University of Maryland, College Park, MD 20742, USA
- 63 Helmholtz-Zentrum Dresden-Rossendorf, Bautzner Landstrasse 400, 01328 Dresden, Germany
- 64 Radboud University and Nikhef, Nijmegen, The Netherlands
- 65 C. N. Yang Institute for Theoretical Physics, Stony Brook University, Stony Brook, NY 11794, USA
- 66 Dipartimento di Fisica, Università di Trieste, Strada Costiera 11, 34151 Trieste, Italy
- 67 Université Paris-Saclay, CNRS, CEA, Institut de Physique Théorique, 91191 Gif-sur-Yvette, France
- 68 Department of Physics, University of Basel, Klingelbergstrasse 82, 4056 Basel, Switzerland
- 69 Deutsches Elektronen-Synchrotron DESY, Notkestr. 85, 22607 Hamburg, Germany
- 70 Institut für Physik, Humboldt-Universität zu Berlin, Newtonstr. 15, 12489 Berlin, Germany
- 71 Department of Physics, Fudan University, Shanghai 200438, China
- 72 School of Physics, Sun Yat-Sen University, Guangzhou 510275, China
- 73 Pittsburgh Particle Physics, Astrophysics, and Cosmology Center, Department of Physics and Astronomy, University of Pittsburgh, Pittsburgh, PA 15206, USA
- 74 Iowa State University, Ames, Iowa 50011, USA
- 75 University of Tennessee, Knoxville, TN, USA
- 76 Department of Physics, Harvard University, Cambridge, MA 02138, USA
- 77 Max-Planck-Institut für Kernphysik, Saupfercheckweg 1, 69117 Heidelberg, Germany
- 78 Department of Physics, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA
- 79 Department of Physics, University of Siegen, 57068 Siegen, Germany
- 80 Department of Physics and Astronomy, University of Kansas, Lawrence, KS 66045, USA
- 81 Nikhef National Institute for Subatomic Physics, Amsterdam, The Netherlands
- 82 School of Physics and Astronomy, University of Birmingham, Birmingham B152TT, UK
- 83 University of Massachusetts-Amherst, Amherst, MA, USA
- 84 Centre for Cosmology and Science Popularization (CCSP), SGT University, Gurugram 122505, India
- 85 Peking University, Beijing, China
- 86 School of Physics and Astronomy, University of Minnesota, Minneapolis, MN 55455, USA
- 87 Imperial College London, Exhibition Road, London SW7 2AZ, UK
- 88 Fusion for Energy (F4E), Torres Diagonal Litoral, Edificio B3, 08019 Barcelona, Spain
- 89 High Energy Physics Division, Argonne National Laboratory, Lemont, IL 60439, USA
- 90 Department of Physics and Astronomy, Northwestern University, Evanston, IL 60208, USA
- 91 Shandong University, Jinan, China
- 92 Center for Cosmology, Particle Physics and Phenomenology, Université Catholique de Louvain, 1348 Louvain-la-Neuve, Belgium
- 93 Dipartimento di Fisica e Astronomia, Università di Bologna, via Irnerio 46, 40126 Bologna, Italy
- 94 DAMTP, University of Cambridge, Wilberforce Road, Cambridge CB3 0WA, UK
- 95 INFN Laboratori Nazionali del Sud (LNS), via Santa Sofia 62, 95123 Catania, Italy
- 96 Dipartimento di Fisica e Scienze della Terra, Università di Ferrara, via Saragat 1, 44122 Ferrara, Italy
- 97 TRIUMF, 4004 Westbrook Mall, Vancouver, BC V6T 2A3, Canada
- 98 European Spallation Source ESS, 221 00 Lund, Sweden
- 99 Department of Physics, Stockholm University, AlbaNova University Center, 106 91 Stockholm, Sweden
- 100 Sapienza Università di Roma, Piazzale Moro 5, 00185 Rome, Italy
- 101 Department of Physics and Astronomy, University of Iowa, 203 Van Allen Hall, Iowa City, IA 52242-1479, USA
- 102 Physics Division, Lawrence Berkeley National Laboratory, Berkeley, CA, USA
- 103 Dipartimento di Fisica, Università di Pisa, Largo Pontecorvo 3, 56127 Pisa, Italy
- 104 Particle Physics Department, University of Oxford, Denys Wilkinson Bldg., Keble Road, Oxford OX1 3RH, UK
- 105 Physics Department, Florida State University, Tallahassee, FL 32306-4350, USA
- 106 Maryland Center for Fundamental Physics, University of Maryland, College Park, MD 20742, USA
- 107 Rudjer Boskovic Institute, Zagreb, Croatia
- 108 Department of Physics, University of Strathclyde, John Anderson Building, 107 Rottenrow, Glasgow, Scotland G4 0NG, UK
- 109 Institute of Nuclear Physics, Polish Academy of Sciences (IFJ PAN), ul. Radzikowskiego, 31-342 Kraków, Poland

- ¹¹⁰ International Institute of Physics, Universidade Federal do Rio Grande do Norte, Campus Universitario, Lagoa Nova, Natal, RN 59078-970, Brazil
- ¹¹¹ Technische Universität Wien, Karlsplatz 13, 1040 Vienna, Austria
- ¹¹² Department of Quantum Matter Physics and Department of Nuclear and Particle Physics, University of Geneva, 1211 Geneva 4, Switzerland
- ¹¹³ CAS Key Laboratory of Theoretical Physics, Institute of Theoretical Physics, Chinese Academy of Sciences, Beijing 100190, People's Republic of China
- ¹¹⁴ SCIPP, UC Santa Cruz, Santa Cruz, USA
- ¹¹⁵ Ottawa-Carleton Institute for Physics, Carleton University, 1125 Colonel By Drive, Ottawa, ON K1S 5B6, Canada
- ¹¹⁶ School of Science, Shenzhen Campus of Sun Yat-sen University, No. 66, Gongchang Road, Guangming District, Shenzhen 518107, Guangdong, People's Republic of China
- ¹¹⁷ IJCLab, Pôle Théorie (Bât. 210), CNRS/IN2P3 et Université Paris-Saclay, 91405 Orsay, France
- ¹¹⁸ State Key Laboratory of Nuclear Physics and Technology, Peking University, Beijing, China
- ¹¹⁹ Korea Institute of Science and Technology Information (KISTI), 245, Daehak-ro, Yuseong-gu, Daejeon 34141, Korea
- ¹²⁰ Department of Physics and Astronomy, University of California, Irvine, CA 92697, USA
- ¹²¹ University of Science and Technology of China (USTC), No. 96, JinZhai Road, Baohe District, Hefei 230026, Anhui, China
- ¹²² Institute of High Energy Physics, Chinese Academy of Sciences, Beijing, China
- ¹²³ Department of Physics, Lafayette College, Easton, PA 18042, USA
- ¹²⁴ Dipartimento di Scienze, Università Roma Tre, Via della Vasca Navale 84, 00146 Rome, Italy
- ¹²⁵ Institute of General Electrical Engineering, University of Rostock, 18051 Rostock, Germany
- ¹²⁶ Department Life, Light and Matter, University of Rostock, 18051 Rostock, Germany
- ¹²⁷ LAPTh, Université Savoie Mont-Blanc and CNRS, Annecy, France
- ¹²⁸ Department of Physics, University of Chicago, Chicago, IL 60637, USA
- ¹²⁹ Department of Physics and Institute of Theoretical Physics, Nanjing Normal University, Nanjing 210023, China
- ¹³⁰ ICREA, Institució Catalana de Recerca i Estudis Avançats, Passeig de Lluís Companys 23, 08010 Barcelona, Spain
- ¹³¹ Theory, Institut de Física d'Altes Energies (IFAE), Campus UAB, 08193 Bellaterra, Barcelona, Spain
- ¹³² High Energy Accelerator Research Organization KEK, Tsukuba, Ibaraki 305-0801, Japan
- ¹³³ Institute of Cryogenics, School of Engineering Faculty of Engineering and Physical Sciences, University of Southampton, Southampton S017 1BJ, UK
- ¹³⁴ Instituto de Física Corpuscular, CSIC-Universitat de València, Valencia, Spain

Erratum to:

Eur. Phys. J. C (2023) 83:864

<https://doi.org/10.1140/epjc/s10052-023-11889-x>

The original online version of this article was revised: The additional reference [139] has been added.

Tao Han's ORCID ID has been incorrectly assigned to Chengcheng Han and Chengcheng Han's ORCID ID to Tao Han.

Yang Ma's ORCID ID has been incorrectly assigned to Lianliang Ma, and Lianliang Ma's ORCID ID to Yang Ma.

The original article has been corrected.

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes

The original article can be found online at <https://doi.org/10.1140/epjc/s10052-023-11889-x>.

^ae-mail: a.wulzer@gmail.com (corresponding author)

were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

Funded by SCOAP³.

Reference

139. S Alex Bogacz, Muon acceleration concepts for NuMAX: "dual-use" Linac and "Dogbone" RLA. *JINST* **13**(02), P02002 (2018). <https://doi.org/10.1088/1748-0221/13/02/P02002>. [arXiv:1708.01274](https://arxiv.org/abs/1708.01274)