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CHEMICAL PHYSICS OF HEAVY FERMION URANIUM-COMPOUNDS

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70. CHEMICAL PHYSICS OF HEAVY FERMION URANIUM COMPOUNDS. Z. Fisk, J. L. Smith, and H. R. Ott, Los Alamos National Laboratory, Los Alamos, NM 87545.

A number of intermetallic compounds of uranium have been found recently to possess conduction electron effective masses two to three orders of magnitude larger than found in usual metals. We discuss the occurrence of such compounds and review aspects of their unusual low temperature behavior.