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### Title

CHEMICAL PHYSICS OF HEAVY FERMION URANIUM-COMPOUNDS

### Permalink

<https://escholarship.org/uc/item/9xj9q3t0>

### Journal

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, 192

### ISSN

0065-7727

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### Publication Date

1986-09-07

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Peer reviewed

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.