

Abstract Submitted
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Volume collapse of Cerium¹ J.L. SMITH, J.C. LASHLEY, C.P. OPEIL,
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University — The gamma-to-alpha (low-density fcc to high-density fcc) transition
in cerium alloys is measured as a function of magnetic field using specific heat, mag-
netization, and thermal expansion. The dependence of the transition on magnetic
field is discussed within the context of the entropy of the 4f moments in the gamma
phase.

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