Volume collapse of Cerium\textsuperscript{1} J.L. SMITH, J.C. LASHLEY, C.P. OPEIL, A.C. LAWSON, Los Alamos National Laborataory, P.S. RISEBOROUGH, Temple 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, magnetization, 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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