

Abstract Submitted  
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**Thermal expansion and magnetostriction of the heavy fermion antiferromagnet YbAgGe** G.M. SCHMIEDESHOFF, Occidental College, S.L. BUD'KO, P.C. CANFIELD, Ames Laboratory/Iowa State University — YbAgGe is a stoichiometric heavy fermion antiferromagnet that exhibits field induced quantum criticality. We will discuss new thermal expansion and magnetostriction measurements that clarify aspects of the quantum criticality and phase diagram of this model system. Work at Occidental College was supported by the National Science Foundation under DMR-0704406. Work at the Ames Laboratory was supported by the Department of Energy, Basic Energy Sciences under Contract No. DE-AC02-07CH11358.

G.M. Schmiedeshoff  
Occidental College

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