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Quantum criticality of YbBiPt G.M. SCHMIEDESHOFF, Occidental College, E.D. MUN, S.L. BUD'KO, C. MARTIN, H. KIM, M.A. TANATAR, R. PROZOROV, Ames Laboratory and Iowa State University, J.-H. PARK, T. MURPHY, National High Magnetic Field Laboratory, Florida State University, N. DILLEY, Quantum Design, P.C. CANFIELD, Ames Laboratory and Iowa State University — YbBiPt is a stoichiometric heavy fermion compound with an enormous Sommerfeld coefficient and a magnetic ground state that can be suppressed by fields of about 4 kOe. We will present and discuss recent thermodynamic and transport measurements, and the evidence for field induced quantum criticality in this material. Work at Ames Laboratory was supported by the Department of Energy, Basic Energy Sciences under Contract No. DE-AC02-07CH11358. The National High Magnetic Field Laboratory was supported by the US National Science Foundation, the State of Florida and the US Department of Energy. Work at Occidental College was supported by the National Science Foundation under DMR-1006118.

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