Abstract Submitted
for the MAR17 Meeting of
The American Physical Society

Collective Modes in the Hidden Ordered Phase of URu2Si2[1] PETER RISEBOROUGH, Temple University — We examine the form of the collective modes expected for a spin-dependent orbital density wave phase of the Under screened Anderson Lattice Model, which has been proposed as describing the Hidden Ordered Phase of URu2Si2. We discuss the magnetic field dependence of the phase diagram and the magnetic nematicity that occurs be low the HO transition. We calculate the collective modes associated with the HO phase transition and discuss possible experimental consequences.

[1]This work was supported by the US Department of Energy, Office of Basic Energy Sciences, Materials Science through award DE-FG02-01ER45872

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Date submitted: 15 Sep 2016 Electronic form version 1.4