

Abstract Submitted
for the MAR15 Meeting of
The American Physical Society

An Angle Resolved Photoemission Survey of the Band Structure of the Heavy Fermion Superconductor, CeCoIn₅ THEODORE REBER, JONATHON RAMEAU, RONGWEI HU¹, CEDOMIR PETROVIC, PETER JOHNSON, Brookhaven National Lab — With the highest T_c of the non-radioactive heavy fermion materials, CeCoIn₅ has been extensively studied by a host of techniques. However direct measurements of the band structure via angle resolved photoemission spectroscopy has been limited to just a few experiments. We will present our studies of the momentum, temperature, photon energy and polarization dependence of the band structure of CeCoIn₅. We will compare our results with theory and other experimental results.

¹Present address: Rutgers Center for Emergent Materials and Department of Physics and Astronomy, Rutgers University

Theodore Reber
Brookhaven National Lab

Date submitted: 14 Nov 2014

Electronic form version 1.4