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Emergence of Hidden Order from the Fano Lattice Electronic Structure of URu_2Si_2 : k-space ANDREW SCHMIDT, MOHAMMAD HAMIDIAN, Cornell University, PETER WAHL, 3Max-Planck-Institut für Festkörperforschung, FOCKO MEIER, Cornell University, ALEXANDER BALATSKY, T-Division, MS B 262, Los Alamos National Lab, TRAVIS WILLIAMS, GRAEME LUKE, McMaster University, J.C. DAVIS, Cornell University — Using heavy fermion quasiparticle interference imaging we study the evolution of momentum space (k-space) electronic structure through the Hidden Order transition in of URu_2Si_2. This continues the presentation of Mohammad H. Hamidian. The interrelationship of r-space and k-space electronic structure as the Hidden Order emerges from the Fano Lattice signature, and their implications for Kondo lattice physics, will be discussed.

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