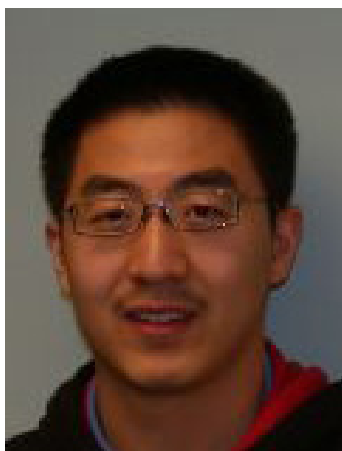


Seminar Series

SPEAKER

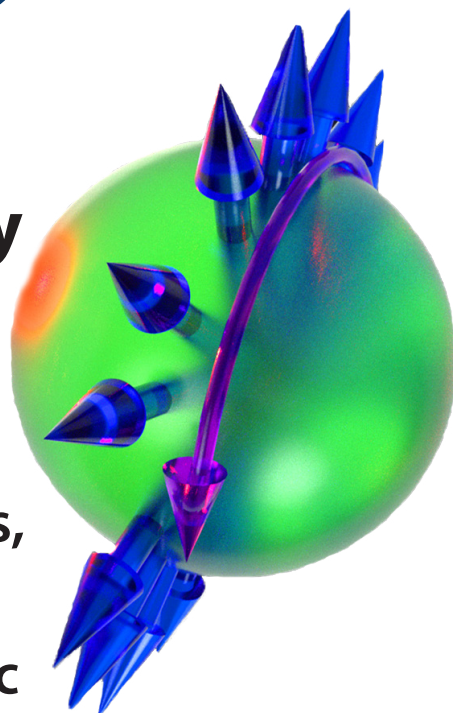
Brian Zhou

Princeton University



Visualizing nodal heavy fermion superconductivity in CeCoIn_5

In solids containing f-orbital elements, the interaction between f-electron spins and those of itinerant electrons leads to the development of fermionic excitations with heavy effective mass and the subsequent appearance of unconventional superconductivity. Here, through scanning tunneling microscopy at milli-Kelvin temperature and high magnetic field, we visualize the d-wave symmetry of Cooper pairing in the prototypical heavy fermion superconductor CeCoIn_5 .



Tuesday, February 18th

11 AM GCIS E123

<http://ime.uchicago.edu/>