Connecting two classes of unconventional superconductors
11 November 2020

Surprisingly, a narrow superconducting phase emerges in the boundary region between the typical iron-pnictide spin-density-wave magnetism and a Ce-based Kondo-regime. This suggests that the two major phenomena characterizing iron-pnictides and heavy-fermions, spin-density-wave magnetism and the Kondo-effect, work together to produce superconductivity in CeFeAsO.

This work is published in Physical Review Letters and has been selected by the editors to be a PRL Editors’ Suggestion.


Provided by Max Planck Society