

THE IRON AGE OF HIGH TEMPERATURE SUPERCONDUCTIVITY

BERND BÜCHNER

Leibniz Institute for
Solid State and
Materials Research
Dresden

I will discuss the new class of high temperature superconductors based on FeAs layers, focussing on their electronic phase diagrams which show a pronounced interplay between structural transitions, magnetism and superconductivity. The role of electronic correlations as revealed from a comparison of ARPES data and DMFT calculations will be discussed. Finally, a new aspect of the physics of correlated electron systems which is crucial in Fe based superconductors, nematicity, will be highlighted.

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2:00 PM

CFEL
SEMINAR ROOMS I-III

