

“固体所青联会”第十九期学术论坛

报告题目: ARPES Study on Bulk Physics of Cuprate Superconductors

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报告时间: 2014年5月29日 (周四) 下午14:00

报告地点: 固体所三号楼321会议室

主办单位: 中科院固体物理研究所青年联合会

中科院青年创新促进会合肥物质科学研究院小组

报告内容: Angle resolved photoemission spectroscopy has been established as a powerful surface probe of quantum materials, most notably for revealing band structures and characteristic energy scales such as gap. Here we demonstrate its potential on and connections to bulk property studies such as transport and thermodynamics. By studying the non-Fermi liquid normal-state interactions (scattering rates) in the nodal direction for cuprate superconductors BSCCO, we present a unified phenomenology across the cuprate phase diagram with a single parameter that smoothly varies with doping, that is consistent with bulk transport studies. Its implication on thermodynamics is also discussed.

欢迎各位老师和同学参加!

