

Laser Seminar / NCCR MUST Seminar

Monday, March 21, 2016

- Time 16.45
- Location ETH Zurich, Hönggerberg, HPF G6
- Speaker Ming Shi, Spectroscopy of Novel Materials Group, Swiss Light Source, Paul Scherrer-Institute, Villigen, Switzerland
- Title ARPES on High-Temperature Superconductors & Topological Materials
- Abstract In this talk, after a brief introduction of angle-resolved photoemission spectroscopy (ARPES) facilities at Swiss Light Source in PSI, I will present some of our recent ARPES results on cuprate and iron-based high-temperature superconductors and on topological materials. For cuprates, I shall show how the underlying Fermi surface, the superconducting and pseudogaps evolve from a highly underdoped samples to overdoped ones. For pnictides, I will focus on the Fermi surface, the mass enhancement and high-resolution measurements of the superconducting gap, as a function of crystal momentum. For the topological materials, I will show the experimental realizations of the novel quantum phases, i.e. topological Kondo insulator and Weyl semimetal.
- Host Ursula Keller, Ultrafast Laser Physics, IQE
- More Info http://www.opteth.ethz.ch/news/laser_seminar



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