复旦大学物理系 物质科学报告

Time: 2:00pm, Tuesday, 2018.11.6

Location： Physics Building (Jiangwan), Room C108

Magneto-optics of electrons in conical bands

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Intriguing analogies to relativistic systems have largely helped to understand the electronic properties of various solid-state systems. These include, for instance, 2D graphene, surfaces of topological insulators as well as novel 3D Dirac/Weyl semimetals, as well as certain narrow gap semiconductors. In this talk, I will discuss how the relativistic-like dispersion of electrons in solids impacts their magneto-optical properties, and in turn, how can magneto-optical spectroscopy visualize their electronic bands, or in general, contribute to our understanding of physical phenomena related to these systems.

Prof. Milan Orlita:

M. Orlita received PhD Degree from Charles University in Prague (2006). Since 2012, he is working as a permanent researcher at the Laboratoire National des Champs Magnétiques Intenses in Grenoble, CNRS, which is the French large-scale facility for research in high magnetic fields. He is primarily responsible for infrared magneto-spectroscopy.