

T_CSUH Special Seminar

Texas Center for Superconductivity at the University of Houston

Dr. Milan Orlita

Laboratoire National des Champs Magnetiques Intenses, CNRS
Grenoble, France

Magneto-Optics of Dirac Fermions in Graphite

Tuesday, August 2, 2011

Room 102, University of Houston Science Center
4:00 p.m. - 5:00 p.m.

Abstract

Results of magneto-spectroscopic investigations of Dirac-like electronic states in various graphene-based materials, such as multilayer epitaxial graphene, bulk graphite or decoupled graphene flakes on graphite substrates, will be reported. Landau level spectroscopy will be shown to be a suitable method to study the electronic band structure of these systems as well as to evaluate their electronic quality in terms of the carrier mobility or scattering time.

Bio

Dr. Milan Orlita received his B.S. and Ph.D. (2006) from the Charles University in Prague, Czech Republic. Currently, he is a postdoctoral research fellow at Laboratoire National des Champs Magnetiques Intenses, CNRS, Grenoble, France. He is also affiliated with the Academy of Sciences of the Czech Republic. He has published extensively on optical measurements of solid-state systems, especially the graphene layers in recent years.

Host: Dr. C. S. Ting

Persons with disabilities who require special accommodations in attending this lecture should call (713) 743-8210 as soon as possible.



TEXAS CENTER FOR
SUPERCONDUCTIVITY