

Bonn-Cologne Graduate School of Physics and Astronomy

Intensive Week: Spectroscopic characterization of the electronic and vibrational structure of surfaces and solids



TUE 28.3 - FRI 1.4.
09⁰⁰-12³⁰ and 14³⁰-15³⁰

Institute for Theoretical Physics
Seminar room

LECTURERS:

Prof. Karl Michel (University of Antwerp)
Dr. Alexei Nefedov (Karlsruhe Institute of Technology)
Dr. Luca Petaccia (ELETTRA Sincrotrone, Trieste)
Prof. Jörg Fink (IFW-Dresden)

CONTENTS OF THE COURSE:

- Electrons & phonons in solids
- Near edge x-ray absorption spectroscopy
- Photoemission spectroscopy using synchrotron radiation
- XPS - Analysis of composition and bonding on surfaces
- ARPES - a many-body spectroscopy method

AUDIENCE:

The course is intended for MSc students who want to do a PhD in Spectroscopy / Cond. Matt.Physics. The number of participants is limited to 12.

Application deadline is March 21, 2017. Please register with: grueneis@ph2.uni-koeln.de As a specialized course within the area of specialization of Condensed Matter Physics, 4 CP will be awarded to successful participants.

