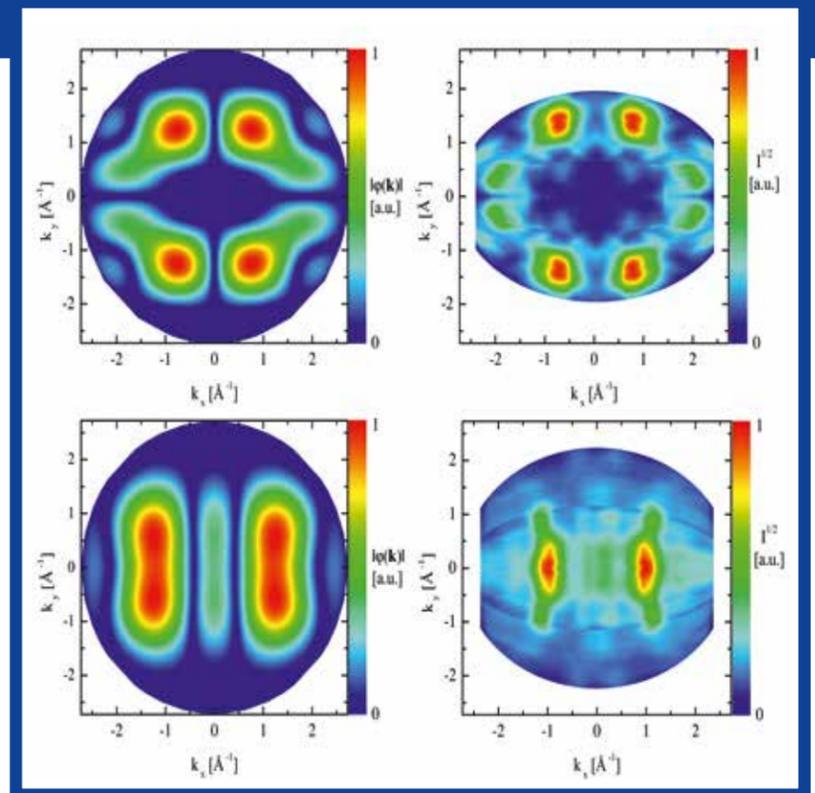




Prospects and Limitations of Electronic Structure Imaging by Angle Resolved Photoemission Spectroscopy

International Focus Workshop 25 - 27 April 2016

Recent developments in orbital imaging by Angle Resolved Photoelectron Spectroscopy (ARPES) have provided fascinating insight into molecular materials. This workshop will review the present state-of-the-art in this field, addressing both experimental and theoretical questions, and explore future perspectives.



Topics include

- Limits of the plane wave final state assumption and understanding of final state effects in theory and experiment
- Advances in theory, such as correlated time-dependent simulations, Green's functions, e.g. GW, and beyond
- Phase retrieval and reconstruction of orbitals in real space
- Energy dependent experiments and 3D tomography
- New experimental capabilities, such as high harmonics generation and ARPES experiments with time resolution

Invited speakers

Hubert Ebert (DE)
Andrea Ferretti (IT)
Ulrich Höfer (DE)
Leeor Kronik (IL)
Matti Lindroos (FI)
Simon Moser (CH)
Jürg Osterwalder (CH)
Peter Puschnig (AU)
Michael Ramsey (AU)
Friedrich Reinert (DE)
Angel Rubio (DE)
Stefan Tautz (DE)
Nobuo Ueno (JPN)
Martin Wolf (DE)
Matthias Wollenhaupt (DE)

Scientific coordinators

Achim Schöll
Würzburg, Germany
Satoshi Kera
Okazaki, Japan
Stephan Kümmel
Bayreuth, Germany

Organisation

Mandy Lochar, MPIPKS

Applications received before January 15, 2016 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page (please see URL below). The number of attendees is limited. The registration fee for the international workshop is 120 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

For further information please contact:

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