

# PHYSIKALISCHES KOLLOQUIUM

Mittwoch, 23.01.2013, um 17:15 Uhr

Ort: Reichenhainer Str. 90; Neues Hörsaalgebäude, Raum: 2/N013

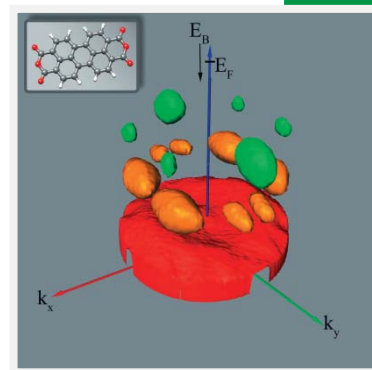
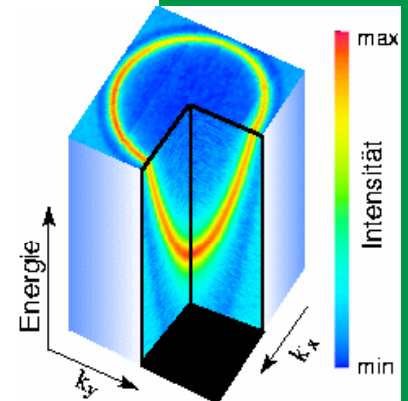


**Prof. Dr. Friedrich Reinert**

Universität Würzburg

## *Photoemission Spectroscopy: From a Classical Tool for Surface Analytics to Modern High-Resolution Applications*

*The 'photoelectric effect', discovered in the 1880s by Hertz and Hallwachs and explained by Einstein in 1905, yields the basis for a highly versatile experimental method in condensed matter physics. Besides the classical applications for quantitative surface analytics (ESCA: electron spectroscopy for chemical analysis) and band structure determination (ARPES: angle resolved photoemission spectroscopy), modern spectrometers enable us to get information about even more physical properties as in particular about the life-time of electronic states, complex many body interactions and the orbital symmetry in organic systems. In the present talk, these latter fields will be represented by a selection of recent results in photoemission spectroscopy.*



Alle Zuhörer sind ab 17:00 Uhr zum Kaffee vor dem Hörsaal eingeladen.