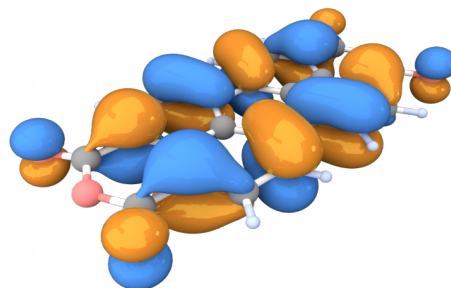


KIDS TALK

“Photoemission of molecular adsorbates”

Speaker: Norman Haag, AG Aeschlimann

Abstract: In the last decades organic molecules adsorbed on metal surfaces have emerged as a very promising class of materials for information and communication technology applications. The main potential of such systems is encoded into the electronic properties right at the interface between the metal substrate and the adsorbed molecule. In order to extract this information, advanced spectroscopic methods are needed. This talk presents an introduction to angle-resolved photoemission spectroscopy (ARPES). In particular, we will focus on the recently developed method of orbital tomography, which allows to identify molecular orbitals of 2D molecules by their ARPES pattern. In the end of this talk an extension of orbital tomography is presented, that allows the study of three dimensional molecules.



When: Friday, February 10th 2017, **10:00 am**

Where: Room 46-387/388

All undergraduate and graduate students as well as postdocs are welcome and encouraged to join our discussion!

***** COFFEE, TEA AND COOKIES WILL BE SERVED *****

For questions, comments or suggestions: emmerich@physik.uni-kl.de

