

Opportunities for Photoemission Experiments on Deposited Size Selected Clusters at P04

Thursday 12 June 2014 17:00 (30 minutes)

Recent photoemission experiments on size selected clusters have shown interesting results. Especially the effect of clusters on the substrate band structure is disentangled. Also the chemical reactivity is traced by photoemission experiments. However the investigated systems are model systems. Future applications would require non UHV-systems. A possibility to overcome the high reactivity of clusters is to use protective cap layers or special surface templates. These systems are usually not accessible with photoelectron spectroscopy because of the low inelastic mean free path of photoelectrons. With the P04 beamline it is possible to overcome these problems because of the high photon flux and photon energy.

Primary author: BAEV, Ivan (Uni HH)

Presenter: BAEV, Ivan (Uni HH)

Session Classification: User reports