

Séminaire SOLEIL

Hard X-ray Photoemission at the KMC-1 Beamline in BESSY

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Invité par Svante SVENSSON

**Vendredi 12 Décembre à 15h00
Amphi – Bât. Accueil SOLEIL**

Séminaires

The bulk properties of materials and deeply buried interfaces are of crucial importance in the understanding of different processes that take place in solids. A non-destructive depth profiling experimental technique that gives access to these electronic properties is hard x-ray high kinetic photoelectron spectroscopy. Combining a bending magnet source and a new generation electron spectrometer optimized for high kinetic energy electrons, the hard x-ray High Kinetic Energy (HIKE) photoelectron spectroscopy facility at the Berliner synchrotron light source has recently become operative at the KMC-1 beamline. Electron spectra have been recorded using 2keV up to 12keV excitation energy, following the investigation of electronic properties of different types of materials as well as interface properties of organic and inorganic thin films and multilayers. In this contribution we will discuss the performance of this non-destructive experimental technique and illustrate its abilities through exemplifying results.

Formalités d'entrée : accès libre dans l'amphi du Pavillon d'Accueil. Si la manifestation a lieu dans le Grand Amphi SOLEIL du Bâtiment Central, merci de vous munir d'une pièce d'identité (à échanger à l'accueil contre un badge d'accès).

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