Réunions scientifiques

Séminaires

Séminaire SOLEIL

Photoelectron Spectroscopy under Ambient Pressure and Temperature conditions at the Advanced Light Source

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Invité par Fausto SIROTTI

Vendredi 30 Janvier 2009 à 15h00
Grand Amphi SOLEIL

We have developed synchrotron-based ambient-pressure photoemission spectroscopy techniques based on a differentially-pumped electrostatic lens concept. By refocusing photoelectrons through differential-pumping apertures, the surface chemistry of solid-vapor and liquid-vapor interfaces can be investigated at pressures up to ~ 1000 Pa. I will describe the design and performance of the first-generation APPES system operating at a bending-magnet beamline, the second-generation system operating at an undulator beamline at the ALS, as well as the general design constraints for APPES. I will also show results of several in-situ catalytic studies on polycrystalline, single crystal and nanoparticle catalysts.

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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