



Contribution ID: 129

Type: **Talk**

Status of AERHA, a new soft X-ray emission spectrometer at Synchrotron SOLEIL

Saturday, 17 September 2011 16:10 (20 minutes)

A new X-ray spectrometer for soft X-rays has recently come into operation at the French national synchrotron facility. The design targets of AERHA (Adjustable Energy Resolution –High Acceptance) aimed at optimized trade-off between energy resolution and instrument transmission. The instrument covers energies between 50 and 1000 eV with a resolving power in excess of 6000 while maintaining an effective angular acceptance higher than 100 micro-steradians. The first part of my talk will be focused on considerations of optical design and implementation, also showing the first recorded spectra. Our scientific interests and the opportunities offered by the new instrument will be discussed and placed in perspective relative to experiments performed at other light sources.

Please specify the session

RIXS

Please specify poster or talk

Talk

Primary author: Dr CHIUZBAIAN, S G (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France and Synchrotron SOLEIL, F-91192 Gif Sur Yvette, France)

Co-authors: Dr AVILA, A (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France); Dr HAGUE, C F (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France and Synchrotron SOLEIL, F-91192 Gif Sur Yvette, France); Dr LÜNING, J (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France and Synchrotron SOLEIL, F-91192 Gif Sur Yvette, France); Dr MARIOT, J M (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France); Dr SACCHI, M (Synchrotron SOLEIL, F-91192 Gif Sur Yvette, France); Dr JAOUEN, N (Synchrotron SOLEIL, F-91192 Gif Sur Yvette, France); Dr DELAUNAY, R (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France); Dr BRIGNOLO, S (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France and Synchrotron SOLEIL, F-91192 Gif Sur Yvette, France)

Presenter: Dr CHIUZBAIAN, S G (UPMC (Univ. Paris 6), Laboratoire de Chimie Physique - Matière et Rayonnement (UMR 7614), F-75005 Paris, France and Synchrotron SOLEIL, F-91192 Gif Sur Yvette, France)

Session Classification: Resonant Inelastic and Elastic X-ray Scattering

Track Classification: Resonant Inelastic and Elastic X-ray Scattering