

Resonant Inelastic X-ray Scattering Workshop



29 June – 1 July 2009 , Grenoble

Monday, 29 th June 2009 - AUDITORIUM		
SYMPOSIUM – Chair : F. Sette		
08:15	Registration	
08:50	Introduction by F. Sette, Director General, ESRF	
09:00 - 09:30	Lucio Braicovich and RIXS - a Look Back and a Look Forward	I. Lindau, SLAC Stanford, USA
09:30 - 10:00	From the physics of metal-semiconductor interfaces to new physics with metal-semiconductor interfaces	M. Grioni, EPFL Lausanne, Switzerland
10:00 - 10:30	20 years of Inverse Photoemission Spectroscopy in Milano	F. Ciccacci, Politecnico di Milano, Italy
10:30 - 11:00	Analysis of magnetic circular dichroism in resonant Raman scattering using transverse geometry	G. van der Laan, Diamond Light Source, UK
11:00	<i>Coffee break</i>	
11:20 - 11:50	Advances in X-ray Detected Magnetic Resonance	J. Goulon, ESRF Grenoble, France
11:50 - 12:20	Table-top ultrafast coherent laser sources in the XUV: towards attosecond science	S. De Silvestri, Politecnico di Milano, Italy
12:20 - 12:50	From AXES to SAXES to ... Science and more in 15 years of Lucio's activity with X-ray emission spectroscopy	C. Dallera G. Ghiringhelli Politecnico di Milano, Italy
12:50 – 14:30	<i>Lunch at the ESRF restaurant (Guestroom and reserved tables)</i>	
RIXS WORKSHOP – Chair : N. Brookes		
14:30 - 15:00	High resolution RIXS from cuprates: results and perspectives	L. Braicovich, Politecnico di Milano, Italy
15:00 - 15:30	Hard X-ray RIXS studies of magnetic and orbital excitations	J. Hill, Brookhaven National Lab., USA
15:30 - 16:00	The metal-insulator-transition in VO ₂ investigated by resonant inelastic X-ray scattering	K.J. Zhou, Paul Scherrer Inst., Switzerland
16:00	<i>Coffee break</i>	
16:30 - 17:00	Invisible peaks and the relation between RIXS, fluorescence and Auger	F. de Groot, Utrecht University, Netherlands
17:00 - 17:30	High-resolution RIXS with hard x rays: advances and applications	S. Huotari, ESRF Grenoble, France
17:30 - 18 :00	Magnetic circular dichroism effects in the resonant inelastic X-ray scattering at the K pre-edge of 3d ions	A. Juhin, Utrecht University, Netherlands
19:00	Bus Departure to the restaurant	
19:30	Workshop dinner in Grenoble, Restaurant "PIGNOL"	

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Tuesday, 30 th June 2009 - AUDITORIUM		
Chair : W. Schülke		
09:00 - 09:30	CANCELLED	M.Z. Hasan, Princeton University, USA
09:30 - 10:00	Model calculations of resonant and non-resonant IXS studies on transition metal and rare earth compounds	M. Haverkort, MPI Stuttgart, Germany
10:00 - 10:30	Determining crystal-field excitations in heavy fermion materials with x-rays	A. Severing, University of Cologne, Germany
10:30	<i>Coffee break</i>	
11:00 - 11:30	STEM-EELS characterization of individual nanostructures	A. Gloter, CNRS Paris, France
11:30 - 12:00	Infrared synchrotron radiation spectroscopy at high-pressure in exotic materials	S. Lupi, University of Rome , Italy
12:00 - 12:30	Fine details of cobalt 1s pre-edges revealed by RXES	G. Vanko KFKI Budapest, Hungary
12:30 – 14:00	<i>Lunch at the ESRF restaurant (Guestroom and reserved tables)</i>	
Chair : G. Ghiringhelli		
14:00 - 14:30	Resonant inelastic soft X-ray scattering in quasi one dimensional cuprates	T. Schmitt, Swiss Light Source, Switzerland
14:30 - 15:00	Magnons, bi-magnons and orbitons in RIXS	J. Van den Brink, University of Leiden, Netherlands
15:00 - 15:30	RIXS study on high-T _c cuprates and related compounds	S. Wakimoto, JAEA, Japan
15:30	<i>Coffee break</i>	
16:00 - 16:30	Spin-excitations in cuprate Heisenberg models - RIXS with a neutron perspective	H. Ronnow, EPFL Lausanne, Switzerland
16:30 - 17:00	Intra-site electronic correlations in polarization-resolved resonant inelastic soft X-ray scattering	F. Vernay, Swiss Light Source, Switzerland
17:00 - 17:30	Scattered photon polarization effects and symmetry analysis in "indirect" RIXS of cuprates	G. Chabot-Couture, Stanford University, USA
17:30	Poster Session with refreshments	

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Wednesday, 1 st July 2009 - AUDITORIUM		
Chair : G. Monaco		
09:00 - 09:30	RIXS applied to atoms and molecules	J.E. Rubensson , Uppsala University, Sweden
09:30 - 10:00	Inelastic soft X-ray scattering of protein and amino acids in water	S. Shin , University of Tokyo, Japan
10:00 - 10:30	Resonant inelastic x-ray scattering in molecules: dynamical and polarization properties	L. Journel University Pierre et Marie Curie, France
10:30 - 11:00	Two-electron photo-excited atomic processes near inner-shell threshold studied by RIXS spectroscopy	M. Kavcic J. Stefan Institute, Ljubljana, Slovenia
11:00	<i>Coffee break</i>	
Chair : P. Glatzel		
11:30 - 12:00	IXS in correlated materials under high pressure	J.P. Rueff , Synchrotron Soleil, France
12:00 - 12:30	Exploring the dynamic frontier of RIXS	A. Föhlisch , University of Hamburg, Germany
12:30 – 12:40	Concluding Remarks	H. Reichert Dir. of Research, ESRF, France
12:40	End of Workshop & <i>Lunch at the ESRF restaurant (Guestroom and reserved tables)</i>	