

Session Program

Sep 15 - 16, 2011



JUM@P '11: Joint Users' Meeting at PSI 2011

Resonant Inelastic and Elastic X-ray Scattering

Paul Scherrer Institut, Villigen, Switzerland

Fri, September 16

9:00 AM

Resonant Inelastic and Elastic X-ray Scattering: part I

Session | Location: PSI, WHGA/001

09:00 - 09:10 **Welcome**

Speakers

Dr Thorsten Schmitt, Urs Staub

09:10 - 09:40

Cluster-Based Numerical Simulations for X-ray Spectroscopies in Correlated Materials

Speaker

Thomas P Devereaux

09:40 - 10:10

Cupric Oxide: a model system to explain high-Tc superconductivity ?

Speaker

Dr V Scagnoli

10:10 - 10:30

Study of the electronic structure of SrFeO_{3-δ} using soft x-ray scattering

Speaker

Dr C H Du

10:30 - 11:10

Coffee

11:10 - 11:40

Ultrafast lattice and electronic dynamics in magnetite and the formation of a novel transient phase

Speaker

C Schueßler-Langeheine

11:40 - 12:10

Ultrafast non-thermal dynamics of spin and charge order in striped nickelate via femtosecond resonant soft x-ray scattering

Speaker

Dr W S Lee

12:10 - 12:30

Femtosecond Time-Resolved Resonant Soft X-ray Diffraction Studies of Strongly Correlated Materials

Speaker

Dr R Tobey

12:30 PM

2:20 PM

Resonant Inelastic and Elastic X-ray Scattering: part II

Session | Location: PSI, WHGA/001

14:20 - 14:50

Advanced Cu L₃ edge RIXS studies of layered cuprate thin films

Speaker

Dr Giacomo Ghiringhelli

Location

PSI, WHGA/001

14:50 - 15:20

Measuring spin excitations in insulating and superconducting cuprates by soft x-ray RIXS**Speaker**

Prof. Marco Grioni

Location

PSI, WHGA/001

15:20 - 15:40

Correlated ab initio methods for the description of RIXS excitations in solids**Speaker**

Dr L Hozoi

Location

PSI, WHGA/001

15:40 - 16:20

Coffee

16:20 - 16:50

Inelastic X-ray Scattering Studies of Cuprate Spin Dynamics: The case of a single La₂CuO₄ layer**Speaker**

J P Hill

Location

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16:50 - 17:20

Magnetic excitation spectra of a novel spin-orbit coupled Mott insulator Sr₂IrO₄**Speaker**

Dr B J Kim

Location

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17:20 - 17:40

Multiplet code for X-ray spectroscopy - a new approach for low symmetry**Speaker**

Dr A Uldry

Location

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17:40 - 18:00

Imprinting magnetic information in manganites with X-rays**Speaker**

Dr M Garganourakis

Location

PSI, WHGA/001

18:30 - 21:00

Workshop Dinner

9:20 PM

Sat, September 17

9:00 AM

Resonant Inelastic and Elastic X-ray Scattering: part III

Session | Location: PSI, WBGB/019

09:00 - 09:30 **Probing the Local Magnetic Order of Quasi-1D Cuprates with RIXS**

Speaker

Dr C Monney

Location

PSI, WBGB/019

09:30 - 09:50 **Elementary spin and orbital excitations in low-dimensional Cuprates**

Speaker

Dr J Schlappa

Location

PSI, WBGB/019

09:50 - 10:20 **Spin-Orbital Separation Observed with RIXS in Sr₂CuO₃**

Speaker

Dr K Wohlfeld

Location

PSI, WBGB/019

10:20 - 10:40

Orbital and magnetic excitations in the weakly coupled spin chain system CaCu₂O₃

Speaker

Dr V Bisogni

Location

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10:40 - 11:10 **Coffee**

11:10 - 11:40 **In-Situ RIXS Study of Charge Transfer in Artificial Photocatalysts**

Speaker

Dr Jinghua Guo

Location

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11:40 - 12:00 **Resonant Inelastic Soft X-ray Scattering with Vibrational Resolution**

Speaker

Ms A. Pietzsch

Location

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12:00 - 12:20

X-ray femtochemistry: Mapping the valence electronic structure of dissociating molecules with femtosecond RIXS at the free electron laser LCLS

Speaker

Dr Ph Wernet

Location

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12:20 - 12:40 RIXS in free molecules: Polarization and dynamical aspects**Speaker**

Dr L Journal

Location

PSI, WBGB/019

12:40 PM

1:50 PM

Resonant Inelastic and Elastic X-ray Scattering: part IV**Session** | **Location:** PSI, WBGB/019**13:50 - 14:20****Intense paramagnon excitations in a large family of high-temperature superconductors****Speaker**

Dr M Le Tacon

Location

Paul Scherrer Institut, Villigen, Switzerland, WBGB/019

14:20 - 14:50 Theory of Inelastic X-Ray Resonance Scattering in Iron Arsenides**Speaker**

Dr T Tohyama

Location

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14:50 - 15:10**Dispersive High-Energy Spin Excitations In Iron Pnictide Superconductors Investigated With Resonant Inelastic X-Ray Scattering****Speaker**

Dr K J Zhou

Location

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15:10 - 15:40 Coffee**15:40 - 16:10****Present status of Soft X-ray RIXS in SPring-8; electronic structure of liquids and protein****Speaker**

Dr S Shin

Location

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16:10 - 16:30**Status of AERHA, a new soft X-ray emission spectrometer at Synchrotron SOLEIL****Speaker**

Dr S G Chiuzbaian

Location
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16:30 - 17:00

A High-Resolution RIXS Spectrometer Using an Energy-Compensation Principle

Speaker
Dr D J Huang

Location
PSI, WBGB/019

5:00 PM