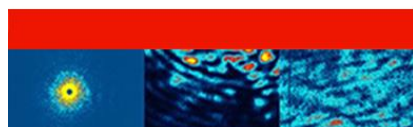


Detailed program

Tuesday 28th of June

School room 101 - 1st floor of corridor 32-42

09:00 – 09:40	Steve Collins <i>Introduction to Resonant Elastic X-ray Scattering</i>
09:40 – 10:20	Yves Joly <i>X-ray Matter Interaction for REXS</i>
10:20 – 10:50	Break
10:50 – 11:30	Christophe Lefèvre <i>Contrast methods using REXS</i>
11:30 – 12:10	Guillaume Beutier & Emmanuelle Jal <i>X-ray Resonant Magnetic Scattering</i>
12:10 – 12:50	Claudio Mazzoli <i>Evolution, applications and opportunities</i>
REXS 2022 – Amphitheatre 25	
12:00 – 13:55	Welcome and Lunch
13:55 – 14:00	Intro
Chair: Emmanuelle JAL	
14:00 – 14:35	Stefan Eisebitt <i>REXS accessing magnetization dynamics: Following the birth of topological structures and some surprises when looking into the depth</i>
14:35 – 15:00	Samuel Flewett, <i>Numerical Treatment of Resonant Elastic X-Ray Scattering – Towards the Understanding of Complex Magnetic Structures</i>
15:00 – 15:25	Alessandro Bombardi <i>A New Webtool to Simulate Magnetic Scattering</i>
15:25 – 15:50	Maurizio De Santis <i>In situ resonant x-ray scattering at the French “CRG-IF” beamline at ESRF</i>
15:50 – 16:20	Break
Chair: Stefan EISEBITT	
16:20 – 16:55	Sandra Skjærvø (v) <i>Recurring dynamics of magnetic texture in an artificial square ice close to AFM transition</i>
16:55 – 17:20	Ryusuke Misawa <i>Magnetic quadrupole order in chiral antiferromagnet probed by circularly-polarized resonant x-ray</i>
17:20 – 17:45	Armin Hoell <i>Anomalous Small-Angle X-Ray Scattering: Basic Aspects and Structure Analysis of Bimetallic Nanoparticles</i>



Wednesday 29th of June

Oral presentation– Amphiteatre 25

Chair: Maurizio SACCHI

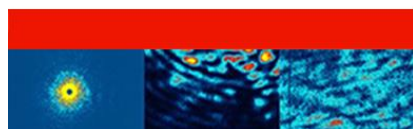
09:00 – 09:35	Hiroki Ueda <i>Conical spin order with chiral quadrupole helix in CsCuCl3</i>
09:35 – 10:00	Xinchao Huang <i>Controlling core-hole state through an X-ray cavity</i>
10:00 – 10:35	Valerio Scagnoli <i>X-ray three-dimensional magnetic imaging, the future is brilliant!</i>
10:35 – 11:05	Break

Chair: Thorsten HESJEDAL

11:05 – 11:30	Gloria Subias-Peruga <i>Complementary Neutron and Resonant Magnetic X-ray Scattering Study to Reveal the Magnetic Ground State of $\text{La}_{1.5}\text{Ca}_{0.5}\text{CoO}_{4\pm\delta}$</i>
11:30 – 12:05	Yvonne Soldo <i>In Situ Surface Resonant X-Ray Diffraction Coupled With Ab Initio Calculations: A New Method To Unravel The Charge Distribution At The Electrochemical Interface</i>
12:05 – 12:30	Yvonne Grunder <i>In-situ surface resonant x-ray diffraction elucidating the charge Reorganization at the Adsorbate Covered Electrode Surface</i>
12:30 – 14:00	Lunch

Visit to SOLEIL

14:00 – 14:35	Transfert to SOLEIL
14:35 – 16:00	Visit of the Beamlines
16:00 – 16:30	Break
16:30 – 18:00	Tutorials <ul style="list-style-type: none"> FDMNES by Yves Joly DYNA by Stéphane Grenier & Emmanuelle Jal MagStREXS by Pablo Bereciarta
18:30	Dinner at SOLEIL



Thursday 30th of June - Oral presentation– Amphiteatre 25

Chair: Nicolas JAOUEN

09:00 – 09:35	Thorsten Hesjedal <i>3D skyrmions in In-Plane Fields</i>
09:35 – 10:00	Boris Vodungbo <i>Laser-induced ultrafast demagnetization and perpendicular magnetic anisotropy reduction in a Co₈₈Tb₁₂ thin film with stripe domains</i>
10:00 – 10:35	Felix Büttner <i>Time-Resolved Coherent X-Ray Imaging: Resolving Emergent Dynamics at the Nanometer Scale</i>
10:35 – 11:05	Break
Chair: Valerio SCAGNOLI	
11:05 – 11:30	Mahesh Ramakrishnan <i>Observation of Magnetoelectric Octupoles in h-YMnO₃ by Resonant Soft X-ray Diffraction</i>
11:30 – 12:05	Jochen Geck <i>Resonant reflectivity studies of the LaAlO₃/SrTiO₃ interface</i>
12:05 – 12:30	Paul Steadman <i>Measuring Hysteresis With Soft X-ray Scattering: A Word Of Caution</i>
12:30 – 14:00	Lunch
Chair: Guillaume BEUTIER	
14:00 – 14:35	Matteo Pancaldi <i>Light and Magnetic Vortices: The Experimental Evidence of Magnetic Helicoidal Dichroism</i>
14:35 – 15:00	Daniel Schick <i>Laser-driven resonant magnetic scattering in the soft-X-ray range</i>
15:00 – 15:25	Marein Rahn <i>Topology, Colossal Magnetoresistance, and Complex Magnetic Domains in Eu₅In₂Sb₆</i>
15:25 – 15:50	Emmanuelle Jal <i>Unravelling the Transient Depth Magnetic Profile of an Iron Thin Film thanks to X-ray Resonant Magnetic Reflectivity</i>
15:50 – 16:20	Break
Chair: Felix BÜTTNER	
16:20 – 16:55	Margaret McCarter (v) <i>Structural Chirality of Polar Skyrmions and Vortices Probed by Resonant Elastic X-ray Scattering</i>
16:55 – 17:20	Cyril Léveillé <i>Synthetic Antiferromagnet Materials Studied by Soft X-ray Magnetic Resonant Scattering</i>
17:20 – 17:55	Alexei Maznev <i>Transient Gratings Or Impulsive Stimulated Scattering Spectroscopy: From Acoustics and Thermal Transport To Dynamics Of Nanoscale Magnetization Patterns</i>
19:30 – 23:00	Cruises Social dinner

Friday 1 st of July	
Oral presentation– Amphiteatre 25	
Chair: Yves JOLY	
09:00 – 09:35	Matteo Mitrano <i>Probing the Finite-Momentum Spectrum of a Light-Induced Superconductor</i>
09:35 – 10:00	Xiaocui Wang <i>Ultrafast manipulation of the NiO antiferromagnetic order via sub-gap optical excitation</i>
10:00 – 10:35	Yingying Peng <i>Observation of charge order beyond superconducting regions of cuprates and orbital order in 1T-TiSe₂</i>
10:35 – 11:05	Break
Chair: Matteo PANCALDI	
11:05 – 11:30	Didier Wermeille <i>XMaS Reborn</i>
11:30 – 12:05	Jennifer Sears <i>Resonant X-ray Measurements of Magnetism in RuCl₃</i>
12:05 – 12:30	Guillaume Beutier <i>Coherent diffraction imaging at space-group forbidden resonant reflections</i>
12:30 – 14:00	Conclusions and Lunch