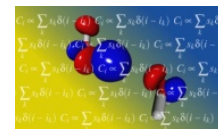


# Novel routes for the study of strongly correlated electron systems



## Programme

Monday 9 February: 15:00 – 18:00	
15:00 – 15:30	Onsite Laboratories/Facilities: F. Comin – <b>Auditorium</b> (common session)
15:30 – 18:00 (limited to 20 people)	<b>Tutorial:</b> Guide to Multiplet Calculations: Introduction and practical: <b>Amelie Juhin</b> (IMPIC, Paris, France) - <b>Meeting room LOB 1-45</b>
16:50 – 17:10	<i>Coffee break in the marquee</i>
18:30 – 20:30	<i>Wine &amp; cheese in the marquee</i>

Wednesday 11 February: 09:00 – 16:00		
09:00 – 09:10	Introduction by the organisers	
09:10 – 09:35 (+10mn-discussion)	<b>Keynote lecture 1:</b> Strong hard X-ray magneto-chiral dichroism in molecular helices	<b>Roberta Sessoli</b> (Univ Firenze, Sesto Fiorentino, Italy)
09:45 – 10:00 (+5mn-discussion)	Curie temperature enhancement of EuS by thin ferromagnetic metal multilayers – a possible material for spintronics	<b>Alexander Goschew</b> (Freie Universität Berlin, Germany)
10:05 – 10:20 (+5mn-discussion)	Determination of the sign of the Dzyaloshinskii-Moriya interaction: circular-polarized multiple-wave approach	<b>Vladimir Dmitrienko</b> Institute of Crystallography, Moscow, Russia)
10:25 – 10:55	<i>Coffee break</i>	
10:55 – 11:20 (+10mn-discussion)	<b>Keynote lecture 2:</b> Resonant and non-resonant x-ray scattering studies of multiferroics	<b>Peter Hatton</b> (Univ. Durham, Dept Phys, Durham, England)
11:30 – 11:45 (+5mn-discussion)	Signatures of Kondo Screening and Coherence in the Surface Intermetallic CePt <sub>5</sub> /Pt(111) - detected by XMCD	<b>Kai Fauth</b> (Universitaet Wuerzburg, Germany)
11:50 – 12:05 (+5mn-discussion)	Magnetic polarization of the americium J = 0 ground state in AmFe <sub>2</sub>	<b>Nicola Magnani</b> Institute for Transuranium El. Karlsruhe, Germany
12:10 – 12:25 (+5mn-discussion)	A combined x-ray emission and absorption spectroscopy study of the potassium-doping effect in superconducting Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub>	<b>Sara Lafuerza</b> (ESRF, Grenoble, France)
12:30 – 13:40	<i>Lunch</i>	
13:40 – 14:05 (+10mn-discussion)	<b>Keynote lecture 3:</b> Probing the phase diagrams of some Heavy Fermion systems with X-rays	<b>Daniel Braithwaite</b> (INAC, CEA, Grenoble, France)
14:15 – 14:30 (+5mn-discussion)	Study of valence in heavy-fermion single crystals under pulsed magnetic fields up to 30 T	<b>William Knafo</b> (LNCMI, Toulouse, France)
14:35 – 15:15	ESRF beamline updates from CRG, DEC and ESM group	<b>Didier Vermeille, Michael Krisch, Sakura Pascarelli</b> (ESRF, Grenoble, France)
15:15 – 15:55	Guided discussion	
16:00	<i>End of meeting</i>	