

13th PSI Summer School 2014, Zug - Exploring time, energy and length scales in condensed matter

Last updated 6 August 2014

	Sunday, 10 Aug	Monday, 11 Aug	Tuesday, 12 Aug	Wednesday, 13 Aug	Thursday, 14 Aug	Friday, 15 Aug
09:00 – 10:15	Time and Length Scales in Condensed Matter Bruce Patterson	Understanding static magnetic order and disorder Tom Lancaster	Where are the electrons? Charge transfer and dissociation from a femtosecond electronic-structure perspective Philippe Wernet	Excursions	Probing the micro-structural origin of complex flow behaviour with in situ Small Angle Neutron and X-ray Scattering Pavlik Lettinga	Energy versus time in x-ray scattering experiments Peter Abbamonte
10:15 – 10:45	Coffee	Coffee	Coffee		Coffee	Coffee
10:45 – 12:00	Time and Length Scales in X-Ray Science Joachim Stöhr	Magnetism at interfaces Cinthia Piamonteze	Time-resolved photoelectron spectroscopy Martin Weinelt		4D tomography of complex dynamic processes Rajumund Mokso	Resonant Inelastic X-ray Scattering on Elementary Excitations Jeroen van den Brink
12:15 – 16:00	Lunch & Free Afternoon	Lunch & Free Afternoon	Lunch & Free Afternoon		Lunch & Free Afternoon	Lunch & Departure
16:00 – 16:30	Coffee	Coffee	Coffee	Coffee	Coffee	
16:30 – 17:45	Using synchrotron radiation in condensed matter research Thorsten Schmitt Structure and dynamics probed by neutrons	Two dimensional artificial spin ice: experiment and simulation Peter Derlet	Coherent spin and lattice dynamics studied with femtosecond x-ray diffraction Steve Johnson	Dynamics as probed by muons Pierre Dalmas de Réotier	Low Energy Electrodynamics of Quantum Matter Peter Armitage	
17:45 – 19:00	Christian Rüegg The Muon Spin Spectroscopy Technique Andreas Suter	Magnetization dynamics studied by x-ray microscopy Florian Kronast	Ultrafast processes in the solid state David Reis	How NEUTRON IMAGING explores time, energy and length scales in condensed matter Christian Grünzweig	Low energy excitations in magnetic systems probed by neutron scattering: making maps of magnetism Toby Perring	
19:15 – 20:30	Dinner	Dinner	Dinner	Dinner	Apéro & Banquet	
20:45 – 21:45	Atomic clocks: basic principles, applications and current trends Gaetano Mileti	Poster Session	The application of Free Electron Lasers to Biology: Playing with retinal proteins and GPCRs Gebhard Schertler	Magnetism at the Edge; New Phenomena at Oxide Interfaces Michael Coey		

