Summerschool on Condensed Matter Research, Zuoz, 15. August 2015 – 21. August 2015
Spectroscopy with Neutrons, Muons and Photons

	Sunday 16 Aug 2015	Monday 17 Aug 2015	Tuesday 18 Aug 2015	Wednesday 19 Aug 2015	Thursday 20 Aug 2015	Friday 21 Aug 2015
09:00 – 10:15	Neutron and Muon Sources - (HIPA, target E, SINQ and ESS) **Mike Seidel**	Introduction to MuSr practical - scientific problem to be analysed **Rustem Khasanov**	Using X-rays – general introduction and science examples **Phil Willmott**	Excursion	Practicals (in parallel) 1) Multiplet analysis (F. de Groot) 2) EXAFS analysis (C. Borca)	Neutron spectroscopy of collective excitations in single crystals **Stephen Hayden**
10:15 – 10:45	COFFEE	COFFEE	COFFEE		COFFEE	COFFEE
10:45 – 12:00	MuSr - techniques and instrumentation **Hubertus Luetkens**	Introduction to Neutron practical - scientific problem to be analysed **Sandor Toth**	Generating X-rays – the machines **Riccardo Bartolini**		Practicals (in parallel) 1) Multiplet analysis (F. de Groot) 2) EXAFS analysis (C. Borca)	New Developments (neutron optics mm) **Peter Böni**
12:15 – 15:30	Lunch and Free Afternoon	Lunch and Free Afternoon	Lunch and Free Afternoon		Lunch and Free Afternoon	Closing remarks Lunch Departure
15.30 – 16.00	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE	
16:00 – 17:15	Neutrons – techniques and instrumentation **Ken Anderson**	Practicals (in parallel) 1) Muon Analysis (Z. Guguchia, P. Biswas) 2) Spin wave analysis (C. Rüegg, S. Toth)	Using X-rays – Instrumentation for spectroscopy **Jan Dreiser**	Introduction to Exafs practical – scientific problem to be analysed **Camelia Borca**	New developments photons: High brightness sources **Christoph Quitmann**	
17:15 – 17:30	SHORT BREAK	SHORT BREAK	SHORT BREAK	SHORT BREAK	SHORT BREAK	
17:30 – 18:15	CAMEA **Henrik Rønnow**	Practicals (in parallel) 1) Muon Analysis (Z. Guguchia, P. Biswas) 2) Spin wave analysis (C. Rüegg, S. Toth)	XFEL – techniques and instrumentation (time-resolved spectroscopy) **Chris Milne**	Introduction to Multiplet practical – scientific problem to be analysed **Frank de Groot**	Complementary methods, Optical spectroscopy **Leonardo Degiorgi**	
18.:15 – 18.45	Short poster presentation		Short poster presentation			
19:00 – 20:00	DINNER	DINNER	DINNER	DINNER	Apéro	
20:00 – 21:00	FREE EVENING	Supercomputing **Thomas Schulthess**	POSTER SESSION	Monitoring landcover / landuse with satellites and airborne systems **Charlotte Steinmeier**	BANQUET	