
Program Overview

Wednesday, 15 November 2017

<i>Time</i>	<i>Title</i>	<i>Speaker/Chair</i>
08:00-08:30 Welcome Coffee / 5.OH06		
08:30-09:30 Introduction <i>A. Amato - M. Müller</i>		
08:30	<i>Overview: SLS</i>	F. Nolting
08:45	<i>Overview: LMN</i>	J. Gobrecht
08:55	<i>Overview: SwissFEL</i>	L. Patthey
09:10	<i>Overview: NUM</i>	C. Rüegg
09:30-10:40 Magnetism - RE and polymers <i>M. Medarde</i>		
09:30	<i>On the importance of electric quadrupole interactions in rare-earth based frustrated magnets</i>	N. Gauthier
09:50	<i>LiY_{1-x}Ho_xF₄ - a candidate material for the implementation of solid state qubits</i>	A. Beckert
10:10	<i>Pressure-control of magnetic exchange and its dimensionality in metal-organic coordination polymers</i>	B. Wehinger
10:30	<i>Reversible magnetoelectric switching by Lithium intercalation (Flash Talk)</i>	G. Bimashofer
10:40-11:00 Coffee Break / 5.OH06		
11:00-12:40 Frustrated Magnetism <i>T. Fennell</i>		
11:00	<i>Tunable Spin Correlations in 2D Kagomé Ice</i>	A. Turrini
11:20	<i>Signatures of emergent quantum electrodynamics in a quantum spin ice</i>	R. Sibille
11:40	<i>Incommensurate magnetic order and magnetic diffuse scattering in the frustrated magnet TmB₄</i>	D. Lançon
12:00	<i>Nature of Ba₃MIr₂O₉ (M=Sc,Y,In) ground state probed by μSR</i>	J-C. Orain
12:20	<i>Strain manipulation of the $J_{\text{eff}} = \frac{1}{2}$ state of Sr₂IrO₄</i>	E. Paris
12:40-13:30 Buffet Lunch		
13:30-14:50 Superconductivity <i>C. Niedermayer</i>		
13:30	<i>Nodeless-to-nodal superconductivity in LaOFeAs_{1-x}P_x synthesized under high pressure</i>	N. Barbero
13:50	<i>Pressure effects on the magnetic order in Ba(Fe_{0.946}Co_{0.054})₂As₂</i>	G.S. Tucker
14:10	<i>Phase mixture and pseudogap behavior in the bismuthate high T_c superconductors</i>	M. Naamneh

14:30	<i>Distinct domain switching in $\text{Nd}_{0.05}\text{Ce}_{0.95}\text{CoIn}_5$ at low and high fields</i>	D.G. Mazzone
14:45	<i>Interplay of superconductivity and magnetism in $\text{Nd}_{1-x}\text{Ce}_x\text{CoIn}_5$</i>	R. Yadav

15:00-15:40 Poster Session (odd #'s) and Coffee Break / 5.OH06

15:40-17:00	Topological phases & driven systems	<i>M. Shi</i>
15:40	<i>Evidence for proximity induced p-wave superconductivity in a topological insulator</i>	J.A. Krieger
16:00	<i>Three-component fermion with Fermi arcs beyond Dirac and Weyl fermion</i>	J.-Z. Ma
16:20	<i>Magnetism in $\alpha\text{-RuCl}_3$ under pressure</i>	G. Simutis
16:40	<i>Optically induced transient enhancement of a structural order parameter</i>	M. Porer

17:00-18:15 Poster Session (even #'s) and Prize / 5.OH06

18:30 Dinner at Campus Restaurant EG5.0 Fachhochschule Brugg

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08:00-08:30 Welcome Coffee / 5.OH06

08:30-09:30	Interfaces & Mott Localization	<i>V.N. Strocov</i>
08:30	<i>Orbital character of the mobile and localized electron states at the LAO/STO interface</i>	A. Chikina
08:50	<i>Manipulation of the 2DEG at titanates surfaces</i>	S. Muff
09:10	<i>Mott Localization in CaVO_3</i>	D.E. McNally

09:30-09:40 Break

09:40-10:40	New Techniques	<i>U. Staub</i>
09:40	<i>CAMEA - A novel multiplexing analyzer for neutron spectroscopy</i>	F. Groitl
09:52	<i>New applications of contrast variation in neutron reflectometry</i>	A. Glavic
10:04	<i>Soft X-ray ptychography for condensed matter research</i>	A. Kleibert
10:16	<i>Electronic structure of buried heterostructure and impurity systems explored by soft-X-ray ARPES</i>	V.N. Strocov
10:28	<i>Time-streaking for investigation of ultrafast dynamic processes at X-ray Free Electron Lasers</i>	B. Rösner

10:40-11:00 Coffee Break / 5.OH06

11:00-11:35 Flash Talks		<i>F. Nolting</i>
11:00	<i>Solar fuels: new materials and device configurations</i>	E. Burns
11:08	<i>Novel study of monolayers of FeCo photomagnetic cages adsorbed on surfaces with X-ray Magnetic Spectroscopy</i>	N. Daffé
11:16	<i>All-optical switching of FeGdCo nanoparticles</i>	M.A.W. Schoen
11:24	<i>Tuning magnetization relaxation of single-molecule magnets using functional oxide films</i>	M. Studniarek
11:35-12:40 Perspectives & Conclusions		
11:35	<i>X-ray free-electron lasers - a new tool for the exploration of condensed matter</i>	S. Gerber
12:00	<i>Summary, perspective and concluding remarks SYN</i>	G. Aeppli
12:20	<i>Summary, perspective and concluding remarks NUM</i>	M. Kenzelmann
12:40	Buffet Lunch	