

Annual Meeting of the Swiss Physical Society 2022

Tuesday, June 28, 2022

Poster Session: Applied Physics and Plasma Physics - Hall (7:00 PM - 8:30 PM)

[id]	title	presenter	board
[165] 221	Towards a hybrid kinetic-MHD spectral code to study instabilities of tokamak plasmas	JEANQUARTIER, Fabien	
[68] 222	Long Wavelength Coherency in Well Connected Electric Power Networks	FRITZSCH, Julian	

Poster Session: Biophysics, Medical Physics and Soft Matter - Hall (7:00 PM - 8:30 PM)

[id]	title	presenter	board
[133] 921	Network analysis of an agglomeration of polydisperse spherical particles	Dr WEYLAND, Mathias Sebastian	
[203] 922	Characterising protein features through nanopore experiments using combination of machine learning analysis and bead-model simulations	WALD, Anna	

Poster Session: KONND - Hall (7:00 PM - 8:30 PM)

[id]	title	presenter	board
[20] 161	Far Infrared ellipsometry response of TbMnO ₃ thin films	BUGNON, Laurent	
[25] 162	Terahertz and infrared magneto-ellipsometer	MARSIK, Premysl	
[26] 163	Electronic Properties of SiO ₂ - YBCO Thin Film Heterostructures	KNOBEL, Jonas	
[37] 164	Development of a resonant ultrasound setup to explore quantum materials	Mr DANG, Xuan Dang	
[38] 165	Uniaxial strain NMR probe	Mr PHILIPPE, Jonas	
[65] 166	Infrared Ellipsometry study of K-doped pterphenyl bulk	Ms HE, Qi	
[138] 168	Distinct electronic structure of novel intercalated series 2H-VxTaS ₂	PUDELKO, Wojciech Radoslaw	
[148] 169	Microspectroscopy of Magnetic Nanostructures with Soft X-Ray Ptychography	Dr BUTCHER, Tim A.	
[183] 170	Noise mitigation in silicon quantum devices	Mr MASSAI, Leonardo	
[187] 171	Adsorption of Argon on Graphite	CLAUDE, Rémi Marcel Léon	
[188] 172	Spatial modulations of the density of states due to atomic defects in bulk ZrSe ₂	ØRSTED, Andreas	
[196] 173	Schottky contacts for silicon spin qubits	SOMMER, Lisa	
[241] 174	Density of state oscillations in InAs/AlSb/GaSb bilayer systems	SOLANO LOPES RIBEIRO, Amina	

Poster Session: New prospects in ARPES for quantum materials - Hall (7:00 PM - 8:30 PM)

[id] title	presenter	board
[67] 531 High-resolution, low-temperature ARPES at SIS-ULTRA	Dr PLUMB, Nicholas C.	
[124] 532 k-resolved electronic structure of quantum heterostructure and impurity systems by soft X-Ray ARPES	LEV, Leonid L.	
[131] 533 iMott – imaging spin detector based on Mott scattering for spin-resolved ARPES	Mr USANOV, Dmitry .A.	
[144] 534 Bayesian optimisation of electron-boson interaction from ARPES self-energies	VAN WAAS, Tom	
[182] 535 Electronic structure of ultra-dense, two-dimensional dopant δ-layers in silicon	CONSTANTINO, Procopios Christou	

Poster Session: Nonequilibrium properties of quantum materials - Hall (7:00 PM - 8:30 PM)

[id] title	presenter	board
[30] 631 Determining photoemission time scales in CuTe	GUO, Fei	
[140] 632 Ultrafast structural dynamics of a strong electromagnon resonance in multiferroic hexaferrite	Dr PERREN, Gérard	

Poster Session: Swiss Neutron Science on the European Scale - Hall (7:00 PM - 8:30 PM)

[id] title	presenter	board
[193] 731 Neutron Scattering Study of Field-Induced Dynamics in the Quantum Spin Liquid Candidate YbBr₃	Mr HERNÁNDEZ, Abraham	
[27] 732 Nearly degenerated magnetic phases in Ce₃TiSb₅	FLURY, Simon	
[120] 733 Semi-Automizing alignment of single crystal mosaics	MÜLLER, Jasmin	
[126] 734 Tunable critical correlations in kagome ice	TURRINI, Alexandra Angeline	
[145] 735 Inelastic precursor of chiral order in multiferroic Ni₃TeO₆	MAZZONE, Daniel	
[157] 736 Quantum spin ice states in cerium pyrochlores	SIBILLE, Romain Franck	

Poster Session: TASK - Hall (7:00 PM - 8:30 PM)

[id] title	presenter	board
[95] 381 Interferometry setup for the LEMING experiment	WADDY, Robert	
[197] 382 Non-perturbative decoupling of massive fermions	RINDLISBACHER, Tobias	
[153] 383 The double focalizing magnetic spectrometer at EPFL	VAN DIJK, Maarten	

Wednesday, June 29, 2022

Poster Session: Poster Session and Lunch Buffet - Hall (12:45 PM - 2:30 PM)