

Annual Meeting of the Swiss Physical Society 2022

Monday, 27 June 2022

Condensed Matter Physics: I: Charge density waves and strongly correlated systems - Room JD 002 (16:30 - 19:00)

time	[id] title	presenter
16:30	[22] □101□Modified copper charge density wave (Cu-CDW) order in YBa ₂ Cu ₃ O ₇ / Nd _{1-x} (Ca _{1-y} Sr _y) _x MnO ₃ heterostructures	Dr SARKAR, Subhrangsu
17:00	[85] □102□Stacking Order Induced Metallic State at the Surface of Untreated 1T-TaS ₂	Mr SALZMANN, Björn
17:15	[102] □103□Magnon excitations in the metallic kagome ferromagnet Fe ₃ Sn ₂	ZHANG, Wenliang
17:30	[98] □104□Physics of the RENiO ₃ single crystals (RE = Nd, Sm, Gd, Dy, Y, Ho, Er, Lu) below T _{Néel} .	GAWRYLUK, Dariusz Jakub
17:45	[163] □105□High-density Carrier Dynamics in Perovskite Wide-Bandgap Oxide	CHEN, Hui-Yuan
18:00	[180] □106□Impact of growth conditions on the optoelectronics applications of CH ₃ NH ₃ PbI ₃ , studied by low-energy muSR	Dr NI, Xiaojie
18:15	[237] □107□Spectroscopic investigation of charge density wave in TiSe ₂ flakes	RACITI, Grazia

Tuesday, 28 June 2022

Condensed Matter Physics: II: 2D systems - Room JD 002 (14:00 - 16:30)

time	[id] title	presenter
14:00	[238] □111□A strong and electrically tunable optical resonance in a two-dimensional semiconductor	Dr LEISGANG, Nadine
14:30	[35] □112□Simultaneous Measurement of Quasiparticle Interference and Decay Length of 2D Quantum Materials with the Scanning Tunneling Microscope	ZENGIN, Berk
14:45	[93] □113□Quantitative Magnetometry on Nanostructured MBE Grown 2D In-Plane Ferromagnet	Mr REISER, Patrick
15:00	[108] □114□Cu ₃ Au(111) - ordering/disordering & potential for cobalt island growth	CAHLIK, Ales
15:15	[177] □115□Evolution of electronic configuration and spin-state in CrI ₃ , CrBr ₃ and CrCl ₃	WEI, Yuan
15:30	[191] □116□Mapping the excitation-specific electron, spin and lattice dynamics in spinel Co ₃ O ₄ thin films with fs-resolution	CANNELLI, Oliviero
15:45	[78] □117□Characterization and analysis of a symmetry-breaking THz chiral metamaterial	GRAZIOTTO, Lorenzo
16:00	[62] □118□A sacrificial magnet system for field dependent surface science studies	LIU, Danyang
16:15	[134] □119□Modulation of Band and Electronic properties of Titanate Surface/Interface	LI, Hang

Wednesday, 29 June 2022

Condensed Matter Physics: III: Superconductivity - Room JD 002 (14:30 - 16:30)

time	[id] title	presenter
14:30	[239] □121□Actuation of a Superconducting Switch via Out-of-Equilibrium Electrons and Phonons	Dr RITTER, Markus
15:00	[7] □122□Time-reversal symmetry-breaking charge order in a kagome superconductor	Dr GUGUCHIA, Zurab
15:15	[90] □123□Boosting charge stripe order by uniaxial pressure	KÜSPERT, Julia
15:30	[121] □124□Infrared response of the telephone number compound $\text{Sr}_2\text{Ca}_{12}\text{Cu}_{24}\text{O}_{41}$	BERNHARD, Christian
15:45	[151] □125□Possible p-wave parity in newly found superconductor $\text{Pr}_{1-x}\text{Cr}_x\text{N}$	CHEN, Changsheng
16:00	[101] □126□Superconductivity in simple cubic phosphorus: The role of dynamical screening and electronic correlations	CHRISTIANSSON, Viktor
16:15	[206] □127□Laser ARPES on Fe_3Sn_2 : Untangling twin domains and discovery of unconventional quasiparticle	EKAHANA, Sandy Adhitia

Thursday, 30 June 2022

Condensed Matter Physics: IV: Theory - Room JD 002 (14:15 - 16:15)

time	[id] title	presenter
14:15	[8] □131□Nonunitary Superconductivity in Complex Quantum Materials	RAMIRES, Aline
14:45	[41] □132□Recognizing the face of wave functions	MUSTER, Augustin
15:00	[60] □133□Vertex impurity solver based on strong-coupling diagrammatic expansion	Dr KIM, Aaram J.
15:15	[113] □134□Statistical Physics Through the Lens of Real-Space Mutual Information	GÖKMEN, Doruk Efe
15:30	[240] □135□A theory for the statistics of slip at a frictional interface: unifying rate-and-state and depinning approaches	DE GEUS, Tom
15:45	[160] □136□Critical Behaviour and Closing Gap Issue Within Realistic Noisy Variational State Preparation	ASTRAKHANTSEV, Nikita
16:00	[201] □137□Hardware-Tailored Diagonalization Circuits	MILLER, Daniel

Condensed Matter Physics: V: Correlated states and transitions - Room JD 002 (16:45 - 18:45)

time	[id] title	presenter
16:45	[248] □141□New perspective on unconventional superconductivity, strange metallicity, and fractional quantum Hall effect from quantum geometry	Dr KRUCHKOV, Alexander
17:15	[43] □142□Modifying the integer quantum Hall effect with cavity vacuum fields	ENKNER, Josefine
17:30	[195] □143□Endofullerene Conformation from x-ray absorption	LEE, Wei Chuang
17:45	[53] □144□Doping asymmetry and layer-selective metal-insulator transition in trilayer $K_{3+x}C_{60}$	YUE, Changming
18:00	[88] □145□Metal-to-insulator transition in SCO thin film upon application of epitaxial strain	Mr JÖHR, Simon
18:15	[137] □146□Using uniaxial stress to probe the relationship between competing superconducting states in a cuprate with spin-stripe order	Dr GUGUCHIA, Zurab
18:30	[135] □147□Thermal Ising transition in the spin-1/2 J1-J2 Heisenberg model	GAUTHE, Olivier Clement Romain