



# Annual Meeting of the Swiss Physical Society 2024

## Tuesday 10 September 2024

### Condensed Matter Physics (KOND): I: Coupled Degrees of Freedom - ETZ E 7 (14:00 - 16:00)

time	[id] title	presenter
14:00	[52] □101□Coupled magnetism and ferroelectricity in magnetic high entropy oxide	CAPU, Roxana
14:15	[155] □102□Terahertz electric-field-driven dynamical multiferroicity in SrTiO3	Dr BASINI, Martina
14:30	[166] □103□Phonon-Polariton Nonlinearities in Ferroelectric LiNbO3	ACAMPORA, Rossella
14:45	[163] □104□Strong enhancement of superconductivity in fractal lattices	ILIASOV, Askar
15:00	[221] □105□Decoupled static and dynamical charge correlations in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	MARTINELLI, Leonardo
15:15	[174] □106□Investigation of the phase transition driven by ultrashort laser pulses in the charge-density-wave material $\text{K}_{0.3}\text{MoO}_3$	WINKLER, Rafael T.
15:30	[85] □107□Resonant Ultrasound Spectroscopy Study of the Vortex Lattice Phase Diagram of Niobium	DANG, Xuan Dang
15:45	[147] □108□Tuning the Electronic Properties of Two-Dimensional Lepidocrocite Titanium Dioxide-Based Heterojunctions	ASIKAINEN, Kati

# Thursday 12 September 2024

## Condensed Matter Physics (KOND): II: Advances in Methodology - ETZ E 7 (14:00 - 16:30)

time	[id] title	presenter
14:00	[80] □111□Characterization of high-purity nickel single crystals by mechanical spectroscopy	NASTRUZZI, Anna
14:15	[126] □112□Imaging heat transport in suspended diamond nanostructures with integrated spin defects thermometers	GOBLOT, Valentin
14:30	[139] □113□Electronic Viscous Flow in Hexagonal Boron Nitride Encapsulated Graphene FETs	HUANG, Wenhao
14:45	[158] □114□Laser induced structural dynamics in colloidal gold nanoparticles	PAN, Changji
15:00	[167] □115□Ultrafast EBIC: A new technique for semiconductor device characterization with ps time resolution	REHMANN, Joel
15:15	[164] □116□Growth by pulsed laser deposition of SrVO <sub>3</sub> thin films for optical applications	ANGELONI, Tancredi Thai
15:30	[169] □117□Increasing the dynamical range of a scanning tunneling microscope	Ms KARIC, Ajla
15:45	[228] □118□Analytical redefinition of the adsorbate-induced surface response of a metal	Dr SIKLITSKAYA, Aleksandra

# Friday 13 September 2024

## Condensed Matter Physics (KOND): III: Many-body Systems - ETZ E 7 (13:30 - 15:30)

time	[id] title	presenter
13:30	[22] □122□Magnetostriction measurements of quantum spin ice candidates at ultra-low temperatures	VILLA, Ilaria
13:45	[136] □123□Quantum Phase Transitions with a Lee-Yang Method and Many-Body Algorithms	Mr VECSEI, Pascal
14:00	[62] □124□Hybrid Tree Tensor Networks for quantum simulation	SCHUHMACHER, Julian
14:15	[159] □125□Benchmarking digital quantum simulations and optimization above hundreds of qubits using quantum critical dynamics	MIESSEN, Alexander
14:30	[111] □126□Fractional Topological Insulators in Twisted Transition Metal Dichalcogenides	WAGNER, Glenn
14:45	[135] □127□Ferromagnetic quantum critical point protected by nonsymmorphic symmetry in a dense Kondo metal $\text{CeSi}_{1.97}$	SHIN, Soohyeon