



# Annual Meeting of the Swiss Physical Society 2024

## Tuesday 10 September 2024

### Poster Session: Applied Physics - ETZ Foyer (19:45 - 21:30)

[id]	title	presenter	board
[89] 231	Calibration of reflection and back-scattering Mueller Polarimetric setups	SINGH, Bhanu Pratap	

### Poster Session: Atomic Physics and Quantum Optics - ETZ Foyer (19:45 - 21:30)

[id]	title	presenter	board
[204] 432	Counter-propagating spontaneous parametric down-conversion source	KELLNER, Jost	
[50] 431	Towards laser cooling of negative molecular ions	GERMANN, Matthias	

### Poster Session: Biophysics and Soft Matter - ETZ Foyer (19:45 - 21:30)

[id]	title	presenter	board
[11] 971	Photosynthetic vs Photovoltaic Efficiency of <i>Limnospira indica</i> , Perspective Cyanobacteria Strain for Space Mission Live Support Systems.	RYZHKOV, Nikolay	
[327] 972	Focal Molography - a new biophysical method	CEDRO, Philipp	
[328] 973	Investigating the homochirality of Jousseini beetles through polarization-resolved Hyperspectral Imaging	SOLTANI, Peyman	

### Poster Session: Electron and photon spectroscopies of quantum materials - ETZ Foyer (19:45 - 21:30)

[id]	title	presenter	board
[129] 533	Electronic structure of encapsulated mono-, bi- and trilayer $T\text{d}-\text{MoTe}_2$	ISSING, Julia	
[219] 531	Quantum Material Dynamics Under Pressure	MACDERMID, Zia	
[127] 532	Probing mono- and few-layer $1\text{T}-\text{TaSe}_2$ with ARPES	MANDLOI, Salony	
[233] 534	Integrated Synchrotron X-ray and Raman Techniques for the Determination of the Fill Factor and Thickness of III-V Semiconductor Nanowire Layers grown on a Substrate	Mr SAPALIDIS, Dimitrios	

### Poster Session: Gravitational Waves - ETZ Foyer (19:45 - 21:30)

[id]	title	presenter	board
[187] 481	Supermassive Stars in proto-globular clusters: Investigating Runaway Collisions and Mass Loss	FRAGOS, Tassos	
[97] 482	Low Latency Merger Time Prediction of Massive Black Hole Binaries of LISA Data with Neural Posterior Estimation	STRUB, Stefan	

**Poster Session: KOND - ETZ Foyer (19:45 - 21:30)**

[id] title	presenter	board
[145] 143 Symmetry broken phases of field biased Bernal bilayer graphene	Mr AGUILAR-MENDEZ, Enrique	
[5] 141 The three-dimensional multiferroic domain structure of hexagonal manganites	Mr MÜLLER, Aaron Merlin	
[134] 142 Identification of Defect-Sensitive Raman Modes in 9-Atom-Wide Armchair Graphene Nanoribbons	Mr LABORDET, Ángel	

**Poster Session: Neutron Science - ETZ Foyer (19:45 - 21:30)**

[id] title	presenter	board
[69] 731 Characterisation of high-energy neutron fields at the Swiss spallation neutron source (SINQ) using a Bonner sphere spectrometer	ZEITZ, Daniel	

**Poster Session: Photon Science - ETZ Foyer (19:45 - 21:30)**

[id] title	presenter	board
[124] 821 Enhancement of single-shot THz detection using a small bias detection scheme	Dr MOUSAVI, Seyyed Jabbar	
[202] 822 Small footprint integrated optical parametric oscillator with a Fabry-Perot resonator	SABATTI, Alessandra	
[210] 823 Integrated lithium niobate on insulator high purity spontaneous parametric downconversion source	KUTTNER, Tristan	

**Poster Session: Spintronics and Magnetism at the Nanoscale - ETZ Foyer (19:45 - 21:30)**

[id] title	presenter	board
[37] 643 Intra-atomic exchange and adsorption sites of Ln atoms on NaCl thin films	TODA COSI, Serni	
[9] 641 Variation in Domain Wall Properties in Ferrimagnetic Thin Films	VAN SCHIE, Laura	
[26] 642 Thermally superactive artificial kagome spin ice structures	NILSSON, Stéphane Nils	
[48] 644 Magnetically actuated angular dependent metasurfaces	VALDEZ GARDUNO, Nestor Miguel	
[15] 645 Ordering and Thermalization of an Artificial Spin Ice based on the aperiodic Einstein Tiling	WANG, Tianyue	

**Poster Session: TASK - ETZ Foyer (19:45 - 21:30)**

[id] title	presenter	board
[51] 382 Detector system to study early-to-late stability of the muEDM experiment	DUTSOV, Chavdar	
[12] 381 Towards Precision X-Ray Spectroscopy of Muonic low-Z Atoms Using Metallic Magnetic Calorimeters	Ms ZENDOUR, Aziza	

<b>[103] 384 Electric and magnetic field studies towards muon storage in the search for a muon electric dipole moment</b>	HUME, Timothy	
<b>[102] 383 Initial Results From the Michigan Xenon Experiment (MiX)</b>	BARILLIER, Erin	
<b>[105] 385 Precision 3D monitoring of the LHCb SciFi tracker alignment using BCAMs</b>	KAMINARIS, Dimitrios	
<b>[132] 387 Atomic Electron Detector for the LEMING experiment</b>	WEGMANN, Paul	
<b>[142] 388 An external array of remote magnetometers for the n2EDM experiment</b>	WAGNER, Philipp	
<b>[171] 389 Generate parton-level events from reconstructed events with Conditional Normalizing Flows</b>	PETRE, Adrian-Antonio	
<b>[299] 390 Production and characterization of the Cesium magnetometer cells for the n2EDM experiment</b>	SEGNER, Lea	

# Wednesday 11 September 2024

**Poster Session: Poster Session with Lunchbuffet - ETZ Foyer (13:00 - 14:30)**