

Session Program

27-30 Jun 2022



Annual Meeting of the Swiss Physical Society 2022

Poster Session

Université de Fribourg
Pérolles II

Tuesday 28 June

19:00

Poster Session: Applied Physics and Plasma Physics

Poster Session | Location: Hall

[221] Towards a hybrid kinetic-MHD spectral code to study instabilities of tokamak plasmas

Speaker

Fabien Jeanquartier

20:30

[222] Long Wavelength Coherency in Well Connected Electric Power Networks

Speaker

Julian Fritzsche

19:00

Poster Session: Biophysics, Medical Physics and Soft Matter

Poster Session | Location: Hall

[921] Network analysis of an agglomeration of polydisperse spherical particles

Speaker

Dr Mathias Sebastian Weyland

[922] Charecterising protein features through nanopore experiments using combination of machine learning analysis and bead-model simulations

Speaker

Anna Wald

20:30

19:00

Poster Session: KOND

Poster Session | Location: Hall

[161] Far Infrared ellipsometry response of TbMnO₃ thin films

Speaker

Laurent Bugnon

[162] Terahertz and infrared magneto-ellipsometer

Speaker

Premysl Marsik

[163] Electronic Properties of SiO₂ - YBCO Thin Film Heterostructures

Speaker

Jonas Knobel

[164] Development of a resonant ultrasound setup to explore quantum materials

Speaker

Mr Xuan Dang Dang

[165] Uniaxial strain NMR probe

Speaker

Mr Jonas Philippe

[166] Infrared Ellipsometry study of K-doped pterphenyl bulk**Speaker**

Ms Qi He

[168] Distinct electronic structure of novel intercalated series 2H-VxTaS2**Speaker**

Wojciech Radoslaw Pudelko

[169] Microspectroscopy of Magnetic Nanostructures with Soft X-Ray Ptychography**Speaker**

Dr Tim A. Butcher

[170] Noise mitigation in silicon quantum devices**Speaker**

Mr Leonardo Massai

[171] Adsorption of Argon on Graphite**Speaker**

Rémi Marcel Léon Claude

[172] Spatial modulations of the density of states due to atomic defects in bulk ZrSe2**Speaker**

Andreas Ørsted

[173] Schottky contacts for silicon spin qubits**Speaker**

Lisa Sommer

[174] Density of state oscillations in InAs/AlSb/GaSb bilayer systems**Speaker**

Amina Solano Lopes Ribeiro

20:30

19:00

Poster Session: New prospects in ARPES for quantum materials**Poster Session** | **Location:** Hall**[531] High-resolution, low-temperature ARPES at SIS-ULTRA****Speaker**

Dr Nicholas C. Plumb

[532] k-resolved electronic structure of quantum heterostructure and impurity systems by soft X-Ray ARPES**Speaker**

Leonid L. Lev

[533] iMott - imaging spin detector based on Mott scattering for spin-resolved ARPES**Speaker**

Mr Dmitry .A. Usanov

[534] Bayesian optimisation of electron-boson interaction from ARPES self-energies

Speaker

Tom van Waas

[535] Electronic structure of ultra-dense, two-dimensional dopant δ -layers in silicon**Speaker**

Procopios Christou Constantinou

20:30

19:00

Poster Session: Nonequilibrium properties of quantum materials**Poster Session** | **Location:** Hall**[631] Determining photoemission time scales in CuTe****Speaker**

Fei Guo

[632] Ultrafast structural dynamics of a strong electromagnon resonance in multiferroic hexaferrite**Speaker**

Dr Gérard Perren

20:30

19:00

Poster Session: Swiss Neutron Science on the European Scale**Poster Session** | **Location:** Hall**[731] Neutron Scattering Study of Field-Induced Dynamics in the Quantum Spin Liquid Candidate YbBr₃****Speaker**

Mr Abraham Hernández

[732] Nearly degenerated magnetic phases in Ce₃TiSb₅**Speaker**

Simon Flury

[733] Semi-Automizing alignment of single crystal mosaics**Speaker**

Jasmin Müller

[734] Tunable critical correlations in kagome ice**Speaker**

Alexandra Angeline Turrini

[735] Inelastic precursor of chiral order in multiferroic Ni₃TeO₆**Speaker**

Daniel Mazzone

[736] Quantum spin ice states in cerium pyrochlores**Speaker**

Romain Franck Sibille

20:30

19:00

Poster Session: TASK**Poster Session** | **Location:** Hall**[381] Interferometry setup for the LEMING experiment**

20:30

Speaker

Robert Waddy

[382] Non-perturbative decoupling of massive fermions

Speaker

Tobias Rindlisbacher

[383] The double focalizing magnetic spectrometer at EPFL

Speaker

Maarten Van Dijk

Wednesday 29 June

12:45
14:30

Poster Session: Poster Session and Lunch Buffet
Poster Session | **Location:** Hall