

Session Program

4-8 Sept 2023



Joint Annual Meeting of the Swiss and Austrian Physical Society 2023

***New prospects in ARPES for quantum
materials***

Tuesday 5 September

14:00

New prospects in ARPES for quantum materials: I

Session | Location: Room 115

14:00–14:30 **501 2D with a twist**

Speaker

Neil Wilson

14:30–14:45 **502 Different electronic phases on the surface of bulk 1T-TaSe₂**

Speaker

Michael Straub

14:45–15:00

503 Observing Electronic Band Structure of Antiferromagnetic Phase in Topological Weyl Semimetal Co₃Sn₂S₂

Speaker

Sandy Adhitha Ekahana

15:00–15:15

504 First micro-ARPES measurements of encapsulated monolayer T_d-MoTe₂

Speaker

Julia Issing

15:15–15:30

505 Strain tuning the band structure in a charge-order Kagome system

Speaker

Dr Chun Lin

15:30–15:45

506 Photoemission Orbital Tomography for Pump-probe Photoelectron Spectroscopy

Speaker

Christian S. Kern

15:45–16:00

507 Circular Dichroism and Orbital Angular Momentum in chiral Weyl semimetals PdGa/PtGa

Speaker

Yun Yen

16:00–16:15

508 Band topology induced by strain in SrNbO₃

Speaker

Victor Rosendal

16:15–16:30

509 Photoemission matrix element correction for accurate quantification of electronic spectral functions: the case of TiO₂-terminated SrTiO₃

16:30

Speaker
Tom van Waas

17:00

New prospects in ARPES for quantum materials: II

Session | Location: Room 115

17:00–17:30

511 ARPES of quantum confined semiconductor and topological insulator heterostructures grown by molecular beam epitaxy

Speaker
Gunther Springholz

17:30–17:45

512 Persistent Rashba splitting in the bulk bands of SnTe in the paraelectric phase

Speaker
Mr Frédéric Chassot

17:45–18:00

513 Are high-energy photoemission final states free-electron-like?

Speaker
Vladimir N. Strocov

18:00–18:30

514 Observing and manipulating orbital textures in quantum materials

Speaker
Michael Schüler

18:30–18:45

515 Real-time pump-probe simulations within time-dependent density functional theory

Speaker
Dominik Brandstetter

18:45–19:00

517 Photon-energy-dependence of the circular dichroic ARPES with InAs(110)

Speaker
Anna Hartl

19:00