

Tuesday: 4th June; 16:35 – 18:10
Session: Applied HAXPES and Beamline session

Poster Title	Poster number	Presenting Author
Combined Soft and Hard X-ray Photoelectron Spectroscopy for a Depth-Resolved View of the Chemical and Electronic Structure in (Ag,Cu)(In,Ga)Se ₂ Thin-Film Solar Cells	T1	Dirk Hauschild
Nanocatalysis at the Interface for Hydrogen Evolution	T2	Yan-Gu Lin
Recent Applications and Developments of a Lab-Based XPS/HAXPES Instrument	T3	Jennifer Mann
Hard X-ray photoemission spectroscopy on magnetic Au-Al-Gd quasicrystal approximants	T4	Goro Nozue
Electronic Reconstruction and Anomalous Hall Effect in the LaAlO ₃ /SrRuO ₃ Heterostructure	T5	Merit Spring
Linear Dichroism in Core-Level HAXPES of Strongly Correlated Ce and Yb Compounds Reflecting Local 4f-Orbital Symmetry	T6	Akira Sekiyama
Linearly Polarized Hard X-ray Photoemis. Spectroscopy of a Pr Filled Skutterudite Compound	T7	Satoru Hamamoto
Environmental Charge Compensation in Near-Ambient Pressure HAXPES Enhanced by Large Sample—Aperture Cone Distance	T8	Satoru Suzuki
Lab-Based HAXPES in Material Development	T9	Tamara Sloboda
Charge Transfer Processes in Functional Mater. Studied With Hard X-Ray Core-Hole Clock Spectr.	T11	Fredrik O. L. Johansson
Recent Studies and Opport. In In-house Hard X-ray Photoel. Spectr.	T12	Yi-Chen Weng
Photoemission Analysis of Cu ₂ O thin films doped by nitrogen	T13	Michal Procházka
Operando HAXPES Analysis of Permittivity and Schottky Barrier Height of BA....	T14	Santiago Agudelo
Are High-energy Photoemission Final States Free-electron Like?	T15	Vladimir Strocov
Magnetometry of Buried Co-based Nanolayers by Hard X-ray Photoelectr. Spectr.	T16	Andrei Hloskovsky
Preliminary HAXPES Results Using Liquid Cells with Micro Fabricated Silicon Nitride Membranes	T17	Jordi Fraxedas

Inducing Ferromagnetism by Structural Engineering in a Strongly Spin-orbit Coupled Oxide	T18	Ji Soo Lim
Bulk Electronic Structure of SrNbO ₃ /SrTiO ₃ Thin Films	T19	Pampa Sadhukhan
Chemical Analysis of Multilayer System by Photoemission: The Binding Energy Reference Challenge	T20	Thierry Conard
Hard X-ray Photoelectron Spectroscopy for bulk characterization for functional coatings and corrosion resistance improvement	T21	Chaimaa Fikry
Electrostatic Dodecapole Bandpass Filter with Low Aberrations for Momentum Microscopy	T22	Sergii Chernov
Operando Hard X-ray Photoelectr. Spectr. Study of Indium Oxide-Based Metal-Semiconductor-Oxide Structures	T23	Ibrahima Gueye
The Hard X-ray Photoelectr. Spectros. At TPS 47A Beamline on Semiconductor Project	T24	Yen-Fa Liao
URANOS Beamline for High-resolve ARPES Measurements	T25	Natalia Olszowska
The "Two-Color" EMIL Beamline at the BESSY II Light Source	T27	Mihaela Gorgoi
HAXPES at PETRA III and IV: electronic structure, operando devices and in-situ catalysis	T28	Christoph Schlueter

Wednesday: 5th June; 16:00 - 17:30
Session: Theory and Method Development,
ARPES and Atomic and molecular spectroscopy

Poster Title	Poster number	Presenting Author
The XPS Limit within the One-step Model of Photoemiss: an Application to Ag (100)	W1	Laurent Nicolai
Multiple and Single-site Scattering Theory For Circular Dichroism in Photoel. Diffraction	W2	Trung Phuc VO
Spectroscopy Sans Synchrotron: Lab-based HAXPES and XAS/XES at Binghamton University	W3	Matthew J Wahila
Failure of the Baym-Kadanoff construction to Consistently Match Quantum Dynamics with Thermod.	W4	Šimon Kos
Operando Hard X-ray Photoelectron Spectroscopic Study of Electronic Structure of Polymer-Cathode Interface of an Operating Organic Light-emitting Diode	W5	Yoshiyuki YAMASHITA
Valence-transition-induced Changes of the Electronic Structure in EuPd ₂ Si ₂	W6	Olena Fedchenko
Depth Profiles of Atomic Orbitals and Valence Band in Ferroelectric Thin Films Observed by Angle-resolved Hard X-ray Photoelectron Spectroscopy	W7	Jun KANO
Energy Shifts in Hard X-ray Photoelectron Spectroscopy of the Valence band of Semi-Heusler Compounds	W8	Gerhard Fecher
Tunable 2D Electron- and 2D Hole States Observed at Fe/SrTiO ₃ Interfaces	W9	Pia Maria Düring
Band Renormalization in LaTiO ₃ Thin Films Approaching the Mott Transition	W10	Michael Sing
Paramagnetic LaCoO ₃ : A Highly Inhomogeneous Mixed Spin-State System	W11	Liu Hao Tjeng
Using lab-based HAXPES for angle resolved XPS reconstructed depth profiles of thin-film	W12	AJ Roberts

Electronic Structure and Wave Function Confinement of Deeply Buried As and P δ -layers in Si(001)	W13	Emily McFarlane
Dirac Dispersions and Fermi Surface Nesting in LaCuSb ₂ and LaAgSb ₂	W14	Marcin Rosmus
Temperature-dependence of valence-band patterns in the hard X-ray range: Re-visiting the 'XPS limit'	W15	Gerd Schönhense
On-site Coulomb Energy in TMDC Compounds by Resonant Photoemission	W16	Yashasvi Mehra
Evolution of Band Structure in 2D Transit. Metal Dichalcogenide alloy MoxW _{1-x} Se ₂	W17	Sarath Sasi
A 2D synthetic ferrimagnet - revealed by MCDAD-HAXPES	W18	Martina Müller/Paul Rosenberg
Momentum-space imaging and chemical gating of the novel polarization induced two-dimensional electron and hole gases on AlN single crystals	W19	Enrico Della Valle
High Potential of 3D-Photoelectron Momentum Microscopy to be Applied to HAXPES	W21	Shigemasa SUGA
Direct Dimethyl Ether Proton Exchange Membrane Fuel Cells - Importance of Dimethyl Ether Oxidation Electrocatalysis	W22	Palaniappan Subramanian
A New Open Access HAXPES Laboratory within the NFFA Network	W23	Federico Motti
Eu 4f-5d Coulomb repulsion for EuNi ₂ P ₂ investigated by combined measurement of resonant x-ray spectroscopies	W24	Kojiro Mimura
Operando HAXPES of Li ₆ PS ₅ Cl Electrochemical Decomposition Reactions in Anode-Free All-Solid-State Batteries in UHV at EMIL	W26	Mihaela Gorgoi
Ferroelectric controlled electronic band structure in doped, β -Ga ₂ O ₃ measured by HAXPES	W28	N. Barrett
iMott-imaging spins polarimeter based on Mott scattering for spin-resolved ARPES	W29	Vladimir Strocov

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