

Poster Sessions will be held on Monday and Thursday Afternoons:

PM = Monday Poster PT = Thursday Poster

Poster Session 1 Monday Afternoon October 1st 16.30 – 18.00

PM1 *Francois Posseik*

Electron energy loss spectroscopy with a conventional hemispherical electron analyzer: Recent developments

PM2 *J. Anibal Boscoboinik*

Ambient Pressure Photoelectron Spectroscopy Endstation at CSX-2 Beamline of NSLS-II

PM3 *Bart Oostenrijk*

High efficiency, high resolution electron – ion coincidence spectrometer for synchrotron experiments

PM4 *Dipak Bapurao Nimbalkar*

Effective trapping sites and electronic structure of TiO₂ surface investigated by Electron Paramagnetic Resonance

PM5 *Elias Moufarej*

Study of electron and ion beams source based on the ionization of cold atoms

PM6 *A. F. Isakovic*

Probing Components of the CDW Order Parameter in Quasi-1D/-2D Materials with THz Magneto reflectance and XRD

PM7 *Atsushi Hariki*

Theory of core-level X-ray photoemission spectroscopy for transition metal compounds considering dynamical mean field

PM8 *Chih-Yu Chen*

Commensurate to incommensurate phase transition of CuO

PM9 *Christian E. Matt*

The effect of As-chain layers on the electronic structure in '112' iron-pnictides – a high-resolution ARPES study

PM10 *Hitoshi Sato*

Metal-semiconductor transition and electronic structure change in the mineral tetrahedrite Cu₁₂Sb₄S₁₃ investigated by photoemission and absorption spectroscopies

PM11 *Jayaram Peediyekal*

Approximation of micro-strain, dislocation density and surface state analysis of multication thinfilms

PM12 *Jing Tao*

Probing electronic liquid-crystal phase transitions in doped manganites

PM13 *Jonathon Rameau*

Ultrafast Electron Dynamics of the Nodal Kink in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+d}$

PM14 *Jun Iihara*

Electronic and magnetic phase diagrams of Iron-based superconductors $\text{LnFeAsO}_{1-x}\text{F}_x$ (Ln : La, Sm, Eu, and Gd)

PM15 *Kazunori Ida*

^{57}Fe Mössbauer Spectroscopy of Heavy Fermion $\text{CeFe}_{1-x}\text{Cr}_x\text{PO}$

PM16 *Kenta Nakanishi*

Core-level X-ray photoemission study of spin-state transition in LaCoO_3

PM17 *Kohei Yamagami*

Orbital-resolved Soft X-ray Photoemission Study of High- T_c Superconducting Cuprates

PM18 *Francisco J. Domínguez-Gutiérrez*

Total, $n = 2, 3$, and 4-state electron capture cross-sections for Be^{2+} and B^{3+} colliding with $\text{H}(1s)$

PM19 *Ankit Disa*

Engineering orbital structure in correlated oxides with three-component superlattices.

PM20 *Michael A. MacDonald*

Photoelectron Asymmetry Parameter Spectra of Ethyne, Ethene and Ethane.

PM21 *Noelle Walsh*

Elucidation of the complex nuclear dynamics induced in core-excited NH_3

PM22 *Irina Shabanova*

Functionalization mechanism of the carbon-copper containing nanotubes with N, F, I, Si, P, S

PM23 *I.N. Shabanova*

The control over the separation of the immunoglobulin fragments by the method of X-ray photoelectron spectroscopy for application in medicine.

PM24 *I.N. Shabanova*

Dependence of the structure of nanomodified polymers on the content of metal carbon containing nanostructures

PM25 *I.N. Shabanova*

Nanocluster local atomic structure of the NiAl binary system in liquid and supercooled state

PM26 *Thangavel Karthick*

Studies on Structural Insights of Anti-cancer Drug "Busulfan"

PM27 *Madhab Upadhyaya*

Surfactant Mediated Synthesis of Polyaniline/Montmorillonite Clay Nanocomposites and Their Characterization

PM28 *Marko Huttula*

Synchrotron radiation induced spectroscopy of neutral unsupported clusters

PM29 *Daniel Niesner*

Slow cooling of photoexcited hot electrons in $\text{CH}_3\text{NH}_3\text{PbI}_3$

PM30 *Der Hsin Wei*

X-ray microscopy and spectroscopy investigation of organic-metal contacts: Reaction or penetration?

PM31 *Hayato Yuzawa*

In situ soft X-ray absorption spectroscopy applied to solid-liquid heterogeneous cyanopyrazine hydration reaction on titanium oxide catalyst

PM32 *Hiroyuki Yamane*

Indirect intermolecular interaction and resultant π -orbital delocalization in superstructure molecular monolayers

PM33 *Marjukka Tuominen*

Oxidized crystalline (3×1)-O surface phases of InAs and InSb studied by high-resolution photoelectron spectroscopy

PM34 *Takuhiro Kakiuchi*

Hydrogen adsorption to clean Si(110)-16×2 single domain surface and its chemical states

PM35 *Takuhiro Kakiuchi*

Hafnium adsorption to clean Si(110)-16×2 single domain surface studied with photoelectron spectroscopy.

PM36 *Takeaki Sakurai*

Investigation of carrier generation processes of organic solar cells using time resolved X-ray photoelectron spectroscopy

PM37 *Katsuya Ichiki*

Temperature-induced valence transition of $\text{Eu}(\text{Rh}_{0.6}\text{Ir}_{0.4})_2\text{Si}_2$: Hard x-ray photoemission study

PT38 *Shigenori Ueda*

Polarization dependent valence band hard X-ray photoemission and density functional theory calculations of 3d transition metals

PM39 *Abdel Isakovic*

Correlating Spectroscopic and Structural Properties of Graphene Oxide Based Composite Materials

PM40 *Dipak Nimbalkar*

TiO_2 Coupling with Heterogeneous Catalyst MoS_2 and its Charge Transfer through Graphene: Investigation by EPR

PM41 *Fangfei Li*

Pressure confinement effect in MoS_2 monolayers

PM42 *Franca Manghi*

Topological properties of irradiated graphene

PM43 *Robert Richter*

Vibrational Structure in the Photoluminescence of Diamondoids: Experiment and Theory

PM44 *Artoni Kevin Ang*

ARPES investigation of Si(110) "3×4" Bi and Si(110) "3×6" Bi

PM45 *Craig Polley*

ARPES study of heavily indium doped SnTe(111), a superconducting topological insulator

PM46 *Hidekazu Ikeno*

Ab-Initio Relativistic Many-Electron Calculations for Resonant Inelastic X-ray Scattering of 3d Transition Metal Compounds

PM47 *Kazuyuki Sakamoto*

Electronic structure of a heavy element alloy TlBi formed on a Si(111) surface

PM48 *Lukasz Plucinski*

Realization of a vertical topological p-n junction in epitaxial Sb₂Te₃/Bi₂Te₃ heterostructures

PM49 *Takeaki Sakurai*

Investigation of carrier generation processes of organic solar cells using time resolved X-ray photoelectron spectroscopy

PM50 *Katsuya Ichiki*

Temperature-induced valence transition of Eu(Rh_{0.6}Ir_{0.4})₂Si₂: Hard x-ray photoemission study

PM51 *Shigenori Ueda*

Polarization dependent valence band hard X-ray photoemission and density functional theory calculations of 3d transition metals

PT 1 *Abhishek Kumar Soni*

Optical temperature sensing in doped phosphor via fluorescence intensity ratio

PT2 *Franz Hennies*

Beamlines for MAX IV

PT3 *Fuhao Ji*

Multi-channel exchange-scattering spin polarimetry

PT4 *Huolin Xin*

Toward 5D Imaging in TEM

PT5 *Robert Richter*

Opportunities for electronic structure research on liquids by combining a magnetic bottle spectrometer with synchrotron radiation

PT6 *Torsten Leitner*

The new electron spectroscopy coincidence station at BESSY

PT7 *Mahesh R. Neupane*

Effect of dopant type and concentration on electronic properties of LaPO_4

PT8 *Marcus Dantz*

Quenched Magnon excitations by oxygen sublattice reconstruction in $(\text{SrCuO}_2)_n/(\text{SrTiO}_3)_2$ superlattices

PT9 *Masaki Kobayashi*

Origin of the Anomalous Mass Renormalization in Metallic Quantum Well States of Correlated Oxide SrVO_3

PT10 *Matthew J. Wahila*

Enabling hole conduction in transparent amorphous oxides: A study of disorder in tin oxides

PT11 *Myung-Geun Han^a*

Defect clustering at charged ferroelectric domain walls

PT12 *Ravini Chandrasena*

Controlling electronic properties of CaMnO_3 thin films via strain-engineered oxygen vacancies formation

PT13 *Ruidy Nemausat*

Phonon effects on X-ray Absorption Near-Edge Structure spectroscopy

PT14 *Taichi Mitsuhashi*

Polarization dependent angle-resolved photoemission study on the (110) surface of SrVO_3 films

PT15 *Tatsuya Nagao*

Theory of magnetic excitations probed by RIXS in iridates

PT16 *Theodore Reber*

An Angle Resolved Photoemission Survey of the Band Structure of the Heavy Fermion Superconductor, CeCoIn₅

PT17 *Wei Ku*

Is the Superconducting Gap in Cuprates a Bogoliubov Quasi-Particle Gap?

PT18 *Ricardo Marinho*

C1s Photoelectron Spectra Studies of Ethanol Aqueous Solution

PT19 *Stacey Sorensen*

Nuclear dynamics of 1,3-trans Butadiene after inner/outer-shell excitation probed by 3-D multiple ion-momentum imaging

PT20 *Tatiana Marchenko*

Double-core-hole shake up states in Neon and H₂O molecule

PT21 *Vipin bahadur Singh*

Molecular Electronic Spectroscopy of isolated and hydrated xanthine: a computational study

PT22 *Masanari Nagasaka*

Development and application of in situ/operando soft X-ray transmission cells to aqueous solutions and electrochemical reactions

PT23 *Maxim Tchapyguine*

Catalysis, photovoltaics, and hydrogen-storage related nanoparticles as seen by photoelectron spectroscopy

PT24 *Olga Molodtsova*

Hybrid organic-inorganic systems: metal nanoparticles self-assembled in an organic wide gap semiconductor matrix

PT25 *Rafael Martinez*

Electronic sputtering of thin lithium fluoride films induced by swift heavy ions

PT26 *Safaa Ali*

Syntheses and Reactivity New Heteroleptic and Homoleptic Formamidinate Rare Earth Metals Complexes from Pseudo-Grignard Reaction

PT27 *Tatiana Ivanova*

X-Ray Photoelectron Spectra and the Electronic Structure of Heterometallic Complexes Fe₂M(μ³-O)(μ-Piv)₆(HPiv)₃ {M-Mn; Co; Ni}

PT28 *Vladimir Korochentsev*

X-ray photoelectron spectra and the electronic structure of Eu(III) AND Lu(III) β-diketonate complexes

PT29 *Kamala C. Raghavan*

First Principles Study of Electronic Density of States and Band Offsets at the CdTe/CdS Interface

PT30 *Nader Zaki*

Evolution of the Electronic Structure of Bilayer Homo- and Hetero-Structures with Interlayer Twist-Angle

PT31 *Shin-ichiro Tanaka*

The dispersions of the phonons coupling with the electron in the graphite and graphene: An angle-resolved photoelectron spectroscopy study

PT32 *Thomas Chassé*

Interaction of Transition Metal Phthalocyanines on Metals- Influence of Graphene Buffer Layers and Intercalation

PT33 *Wencan Jin*

Direct Measurements of the Electronic Structure of Twisted Graphene/MoS₂ van der Waals Heterostructures

PT34 *Alexander Kamantsev*

Electrical Resistance, DSC and EDX Structural Measurements of Ni-Mn-In-Co Metamagnetic Heusler Alloy

PT35 *Alexey Mashirov*

Crystalline Structure of the Heusler Alloys Ni-Mn-In-Co

PT36 *Alla Chikina*

Strong ferromagnetism at the surface of an antiferromagnet EuRh₂Si₂

PT37 *Agelika Chassé*

Calculations of x-ray absorption spectra and magnetic circular dichroism in thin spinel ferrites on perovskite single crystal surfaces

PT38 *Shabanova I. N*

Development of the XPS method for controlling the effectiveness of metal-complex inhibitors of iron corrosion

PT39 *Jerzy Goraus*

Fe₂P class magnetocalorics – the impact of doping on electronic structure and magnetic properties.

PT40 *Munetaka Taguchi*

Bulk Electronic Structure and Magnetic Circular Dichroism in Hard X-Ray Photoelectron Spectra of Fe₃O₄

PT41 *H. Sugawara*

Synthesis and Electronic Properties of a Layered Compound SmCr₂Si₂

PT42 *Wataru Tadano*

Magnetic Properties of Fe ultrathin films intercalated under honeycomb monatomic layers grown on Ni(111)

PT43 *Yasmine Sassa*

The full 3D electronic structure of MgB₂ determined by soft X-ray ARPES

PT44 *Yusuke Hashimoto*

Site Selective X-ray Absorption Spectroscopy of Magnetite at Room Temperature

PT45 *Deyu Lu*

Theory of local electronic dielectric response functions

PT46 *Kazuo Soda*

Electronic Structures of Platinum-Group-Metal Pernitrides

PT47 *Thuruthiyil Ramachandran*

Quantitative X-PES, phase transformation and thermoelectric studies on mixed metal oxide systems

PT48 *Xiaoyu Cui*

Evolution of electronic structure on transition metal doped titanium disulphide by photoemission spectroscopy study

PT49 *Michael MacDonald*

Electron-Pair Formation in Toluene and Fluorobenzene

PT50 *Michael MacDonald*

Dissociative ionization dynamics of triatomic molecules induced by soft X-rays