



Workshop III: High Resolution X-ray Spectroscopy of Quantum Materials

Chair: Dr. Ashish Atma Chainani

Name	Topic
Roger Chun-Fu Chang (張春富) Max-Planck-Gesellschaft, Germany	MPI – NSRRC Submicron Soft X-ray Spectroscopy Beamline & Research Activities of MPI CPfS
Tay-Rong Chang (張泰榕) National Cheng Kung Univ. (國立成功大學)	Electronic Structures in Topological Semimetals and Hetrostructures from First-principles
Cheng-Maw Cheng (鄭澄懋) NSRRC (國家同步輻射研究中心)	Band Structure Engineering : Heterostructure Comprised of 2D group V elements and Topological Insulators
Mark Dean Brookhaven National Laboratory, USA	How Heterostructuring and Doping Modifies the Orbitals and Spin Interactions in Nickelates
Chao-Hung Du (杜昭宏) Tamkang Univ. (淡江大學)	Study of the Charge and Spin Ordering Coupling Using Resonant Elastic X-ray Scattering
Atsushi Fujimori Univ. of Tokyo, Japan	New Insight into the Pseudogap and Symmetry Breaking in High-temperature Superconductors Revealed by ARPES
Marco Grioni École Polytechnique Fédérale de Lausanne (EPFL), Switzerland	ARPES and RIXS Studies of Unconventional Cuprates
Guang-Yu Guo (郭光宇) National Taiwan Univ. (國立台灣大學)	Unconventional Quantum Anomalous Hall Effect in Layered Magnetic Oxides

Name	Topic
Yoshihisa Harada Univ. of Tokyo, Japan	Instrumental Upgrade and Development of RIXS End-station in SPring-8 BL07LSU
Hsiao-Yu Huang (黃筱妤) NSRRC (國家同步輻射研究中心)	Jahn-teller Distortion Driven Magnetic Polarons in Magnetite
Sumio Ishihara Tohoku Univ., Japan	Exotic Electronic States in Correlated Electron Systems with Spin-State Degree of Freedom
Kenji Ishii SPring-8, Japan	Spin and Charge Excitations in Doped Cuprates Observed with RIXS
Kyoko Ishizaka Univ. of Tokyo, Japan	Topological Electronic Structure in Transition Metal Dichalcogenides
Wei-Sheng Lee (李偉生) Stanford Linear Accelerator Center (SLAC), USA	Probing Electron-lattice Coupling Via RIXS
Ping-Hui Lin (林秉慧) NSRRC (國家同步輻射研究中心)	Angle-resolved Photoemission Spectroscopy in Cooperation with Femtosecond High Harmonic Generation Light Source
Brian Moritz Stanford Univ., USA	Collective Excitations in RIXS from Charge, Spin, Lattice, and Orbital Degrees of Freedom
Jun Okamoto (岡本淳) NSRRC (國家同步輻射研究中心)	Coulomb Correlation Evolves Across Spin-state Crossover in LaCoO_3
Way-Faung Pong (彭維鋒) Tamkang Univ. (淡江大學)	Studying of Nanomaterials by X-ray Spectroscopic Techniques
Wen-Bin Wu (吳文斌) NSRRC (國家同步輻射研究中心)	High-Resolution Soft X-ray RIXS Using Active Gratings and Energy Compensation

