

International Conference on Many Particle Spectroscopy of Atoms, Molecules, Clusters and Surfaces

Program Overview

April 23-26th 2024, East Sub Building 102, Guanghua Tower, Fudan University

April 24 (Wed)		
9:00-9:15	MPS Opening, Chair: Baoren Wei	
Chair: Dajun Ding		
9:15-9:45	Toshiyuki Azuma, RIKEN, Japan	High-resolution spectroscopy of electronic K x rays from muonic atoms using transition-edge sensor microcalorimeters
9:45-10:15	Xueguang Ren, Xi'an Jiaotong University, China	Intermolecular energy and charge transfer in molecular complexes upon electron impact
10:15-10:30	Pengju Zhang, ETH Zürich, Switzerland	Unveiling the ultrafast relaxation dynamics of thymidine in aqueous solution via extreme ultraviolet time-resolved photoelectron spectroscopy
10:30 ~ 11:00 Photo & Coffee Break		
Chair: Marc Vrakking		
11:00-11:30	Mathieu Gisselbrecht, Lund University, Sweden	An insight into attosecond photoionization
11:30-12:00	Sebastian Eckart, Frankfurt University, Germany	Ultrafast preparation and detection of entangled atoms using a COLTRIMS reaction microscope

12:00-12:30	Rocio Borrego-Varillas, CNR-Istituto di Fotonica e Nanotecnologie, Italy	<i>Ultrafast electron transfer in donor-acceptor molecules tracked by attosecond spectroscopy</i>
12:30-13:45 Lunch		
Chair: Károly Tőkési		
13:45-14:15	Sergio Díaz-Tendero, Universidad Autónoma de Madrid, Spain	<i>Peptide bonds formation in clusters of amino acids induced by ionizing radiation</i>
14:15-14:45	Chuncheng Wang, Jilin University, China	<i>Directly imaging excited state-resolved transient structures of water</i>
14:45-15:00	Yun Li, American Physical Society	<i>Meet Phys Rev editor – An introduction of Physical Review journals</i>
15:00-15:15	Lishu Wu, Nature publishing office	<i>Launching Nature Reviews Electrical Engineering</i>
15:15 ~ 15:45 Coffee Break		
Chair: Masahiko Takahashi		
15:45-16:15	Arnaud Leclerc, Université de Lorraine, France	<i>Calculation of molecular ionization cross sections using analytical Gaussian integrals</i>
16:15-16:45	Shenyue Xu, CAS-Institute of Modern Physics, China	<i>Heavy-ion-induced intermolecular Coulombic decay in hydrated biomolecules</i>
16:45-17:15	Satoru Kanaya, Tohoku University, Japan	<i>Application of electron-atom Compton scattering to measurements of individual atomic motions in polyatomic molecules</i>

17:15-17:45	Alexander Zaytsev, Pacific National University, Russia	<i>The parabolic quasi-Sturmian approach to single ionization of Helium by high energy protons</i>
17:45 ~ 19:00 Snack in poster region		

April 25 (Thur)		
Chair: Edwin Kukk		
9:00-9:30	Oksana Travnikova, Sorbonne University, France	<i>Exploring ultrafast dynamics with advanced electron-ion coincidence methods under soft and hard x-ray excitations</i>
9:30-10:00	Marc Simon, Sorbonne University, France	<i>Post Collision Interaction, Photoelectron recapture and Angular Momentum transfer in the hard X-ray domain. From the isolated Atoms and Molecules to condensed phase</i>
10:00-10:30	Mizuho Fushitani, Nagoya University, Japan	<i>Transient core-to-core resonances of Kr in intense EUV-FEL fields studied by electron-ion coincidence spectroscopy</i>
10:30-11:00 Coffee Break		
Chair: Xiangjun Chen		
11:00-11:30	Kade Spicer, Curtin University, Australia	<i>Energy and angular distributions of electrons produced in intermediate-energy proton-helium collisions</i>
11:30-11:45	Nicolas Sisourat, Sorbonne University, France	<i>Intermolecular Coulombic Electron Capture in Aqueous Systems</i>
11:45-12:00	Anna Skitnevskaya, Irkutsk State University, Russia	<i>Intermolecular Coulombic decay of inner-valence vacancies in biologically relevant systems. Theory meets experiment</i>

12:00-12:15	Bocheng Ding, ShanghaiTech University, China	<i>Mapping the potential energy curve of Auger final state from resonant decay in O₂ molecules</i>
12:15-12:30	Pufang Ma, Fudan University, China	<i>Studying of charge exchange cross section of highly charged ion interact with atom and molecule</i>
12:30-13:45 Lunch		
Chair: Xinwen Ma		
13:45-14:15	Elena Gryzlova, Lomonosov Moscow State University, Russia	<i>An efficient method of accounting polarization in sequential processes</i>
14:15-14:45	Jiabao Ji, ETH Zürich, Switzerland	<i>Relation between photoionisation cross sections and attosecond time delays</i>
14:45-15:15	Victor Kimberg, Royal Institute of Technology, Sweden	<i>Nonlinear spectral dispersion in resonant x-ray scattering for studying potentials and dynamics</i>
15:15 ~ 15:45 Coffee Break		
15:45-17:45	Poster Section	
18:15 ~ 21:00 Conference Dinner		

April 26 (Fri)		
Chair: Jianmin Yuan		
9:00-9:30	Lynda Hutcheson, Queen's University, Ireland	<i>Resonance Analysis of Strong Field Ionisation</i>

9:30-10:00	Yu He, Max-Planck-Institut für Kernphysik, Germany	<i>Controlling Photo absorption Interferometrically with Intense Laser Pulses from Microscopic to Macroscopic Gases</i>
10:00-10:30	Tomoyuki Endo, National Institutes for Quantum Science and Technology, Japan	<i>Capturing roaming molecular fragments in Formaldehyde</i>
10:30-11:00 Coffee Break		
Chair: Alexander Dorn		
11:00-11:30	Matthieu G��n��vriez, Universit�� Catholique de Louvain, Belgium	<i>Double Rydberg states of alkaline-earth atoms: two-electron dynamics far from the nucleus</i>
11:30-11:45	Weifeng Yang, Hainan University, China	<i>Application of Semi-Classical Methods in Ultrafast Electron Dynamics Information Probing</i>
11:45-12:00	Eemeli Aulis Eronen, University of Turku, Finland	<i>Statistical analysis of X-ray spectra of aqueous triglycine</i>
12:00-12:15	Jinfeng Chen, University of Science and Technology of China, China	<i>Non-resonant elastic and inelastic x-ray scattering study of nitrous oxide</i>
12:15-12:30	Dongdong Zhang, Jilin University, China	<i>New source for tuning the effective Rabi frequency discovered in multiphoton ionization</i>
12:30-13:45 Lunch		
Chair: David Busto		
13:45-14:15	Hongcheng Ni, East China Normal University, China	<i>Time-resolved electron dynamics from the XUV to the IR regime</i>
14:15-14:45	Divya Bharti, Max-Planck-Institut f��r Kernphysik, Germany	<i>Multisideband Photoelectron Interferometry in Atoms and Molecules</i>

14:45-15:00	Keyu Chen, Kansas State University, America	<i>UV-induced ring conversion dynamics investigated by time-resolved Coulomb explosion imaging</i>
15:00-15:15	Huanyu Ma, ShanghaiTech University, China	<i>Complete characterizations of intermediate and final state wave functions with photoionization of polarized Rb</i>
15:15-15:45	MPS Closing, Chair: Kiyoshi Ueda	
15:45 ~ 21:00 City Center and Boat Dinner		