

Tuesday, 11 December 2018

8:15 – 9:00	REGISTRATION DESK PACKAGE PICKUP	June Rockwell / Joane Magnaye	
		Presenting Author	Affiliation
9:00 – 9:30	Welcome, Opening Remarks, and Orientation	Co-Chairs	
	<u>High Harmonics and XUV generation</u>	Chair – Paul Corkum	
9:30 – 10:00	Optic-less focusing and spectral filtering of XUV high order harmonics	Mével, Eric	Université de Bordeaux, CNRS, CEA, Centre Lasers Intenses et Appl Invited
10:00 – 10:30	High harmonic generation source for table-top ultrafast magnetic imaging	Légaré, Francois	Institut national de la recherche scientifique Invited
10:30 – 10:50	COFFEE BREAK		
10:50 – 11:10	Phase-matched extreme-ultraviolet frequency-comb generation	Porat, Gil	University of Alberta Contributed
11:10 – 11:40	Giant chiral macroscopic response in high harmonic generation	Ayuso, David	Max-Born-Institut Invited
11:40 – 12:00	Enhancing the Brilliance of Harmonic XUV Radiation with Tailored Driver Beams	Treacher, Daniel	University of Oxford Contributed
12:00 – 13:30	LUNCH – Nearby Restaurants, e.g., see Fields List		
	<u>Electron Dynamics & Ionization</u>	Chair – Robin Marjoribanks	
13:30 – 14:00	Time-resolving electron dynamics in molecules using strong laser fields: coherent probes of charge m	Mauger, Francois	Louisiana State University Invited
14:00 – 14:20	Longitudinal momentum of the electron at the tunnelling exit	Wang, Xu	Graduate School of China Academy of Engineering Physics Contributed
14:20 – 14:40	Characterization of electron wavepackets from strong-field ionization	Liu, Yunquan	Peking University Contributed
14:40 – 15:00	Nondipole effects in atomic dynamic interference	Wang, Mu-Xue	Peking University Contributed
15:00 – 15:20	COFFEE BREAK		
	<u>Relativistically Driven Electron Dynamics</u>	Chair – Francois Legare	
15:20 – 15:50	Polarization-Resolved Nonlinear Thomson Scattering from Laser-Driven Electrons	Peatross, Justin	Brigham Young University Invited
15:50 – 16:20	Magnetic field generation, dynamics and reconnection driven by relativistic intensity laser pulses	Willingale, Louise	University of Michigan Invited
16:20 – 16:50	Relativistic electron dynamics in laser-driven nanowire targets	Marjoribanks, Robin	University of Toronto Invited
18:00 – 19:30	Reception – PreNup Pub		

Wednesday, 12 December 2018

8:40 – 9:00	REGISTRATION DESK PACKAGE PICKUP	June Rockwell / Joane Magnaye		
		Presenting Author	Affiliation	
9:00 – 9:10	Updates and Comments	Co-Chairs		
	<u>Novel Drive and Source-Control Physics</u>	Chair – David Ayuso		
9:10 – 9:40	Topological strong field physics on sub-laser cycle timescale	Jiménez-Galán, Alvaro	Max Born Institut	Invited
9:40 – 10:10	Spatio-temporal optical vortices (STOVs): experiments and simulations	Milchberg, Howard	University of Maryland	Invited
10:10 – 10:30	Nondipole and ellipticity effects in the strong-field ionization physics	Daněk, Jiří	Max-Planck-Institut für Kernphysik	Contributed
10:30 – 10:50	COFFEE BREAK			
	<u>Atom/Molecule Control Physics & Characterization</u>	Chair – Howard Milchberg		
10:50 – 11:20	Unexpected coherent extreme ultraviolet radiation from He atoms exposed to a strong laser field	Kim, Kyung Taec	Gwangju Institute of Science and Technology	Invited
11:20 – 11:50	Strong field physics and high harmonic generation with structured light beams	Corkum, Paul	University of Ottawa	Invited
11:50 – 12:20	Resonantly enhanced inner-orbital ionization in molecular iodine	Gibson, George	University of Connecticut	Invited
12:30 – 14:00	LUNCH – Nearby Restaurants, e.g., see Fields List			
	<u>Electron Dynamics & Ionization – II</u>	Chair – Justin Peatross		
14:00 – 14:30	Photoionization dynamics: Transition and scattering delays	Taiëb, Richard	Sorbone Université	Invited
14:30 – 15:00	Time-dependent multiconfiguration and coupled-cluster methods for intense-laser driven multielectr	Sato, Takeshi	University of Tokyo	Invited
15:00 – 15:20	Hollow core fiber pulse compression using molecular gases	Haddad, Elissa	INRS, Centre Énergie Matériaux et Télécommunications	Contributed
15:30 – 18:00	POSTER SESSION - McLennan Physical Laboratories North Wing			
	Snacks, Beer, Wine			

Thursday, 13 December 2018

8:40 – 9:00	REGISTRATION DESK PACKAGE PICKUP	June Rockwell / Joane Magnaye		
		Presenting Author	Affiliation	
9:00 – 9:10	Updates and Comments	Co-Chairs		
	<u>Atomic and Optical Dynamics in Filaments</u>	Chair – Siegfried Glenzer		
9:10 – 9:40	Spectral interference in shortwave- and mid-infrared laser filaments in gases	Polynkin, Pavel	University of Arizona	Invited
9:40 – 10:00	Light amplification by nearly free electrons in a laser filament	Richter, Maria	Max-Born-Institut	Contributed
10:00 – 10:20	Optical lasing during laser filamentation in the Nitrogen molecular ion: ro-vibrational inversion	Morales, Felipe	Max-Born-Institut	Contributed
10:20 – 10:40	COFFEE BREAK			
	<u>Intense Optical Lasers and Free-Electron Lasers</u>	Chair – George Gibson		
10:40 – 11:10	Exploring matter in extreme conditions with free electron lasers	Glenzer, Siegfried	SLAC National Accelerator Laboratory	Invited
11:10 – 11:30	Transform-limited hard-x-ray lasers pumped by x-ray free-electron lasers	Lyu, Chunhai	Max Planck Institute for Nuclear Physics	Contributed
11:30 – 12:00	Identification of coupling mechanisms between ultraintense laser light and dense plasmas	Leblanc, Adrien	Université Paris-Saclay, CEA Saclay	Invited
12:00 – 12:20	Wakefield acceleration and betatron radiation driven by linearly polarized Laguerre-Gaussian orbital	Longman, Andrew	University of Alberta	Contributed
12:30 – 14:00	LUNCH – Nearby Restaurants, e.g., see Fields List			
	<u>High-Harmonic Spectroscopy and Ionization Dynamics</u>	Chair – Éric Mével		
14:00 – 14:20	High-harmonic spectroscopy of electron-hole dynamics induced by strong-field ionization	Zhao, Jing	National University of Defense Technology	Contributed
14:20 – 14:40	Coherent multichannel dynamics of aligned molecules resolved by two dimensional high-harmonic an	Wang, Xiaowei	National University of Defense Technology	Contributed
14:40 – 15:00	Temporal characterization of a two-color laser field using the tunneling ionization method	Shin, Jeong-uk	Gwangju Institute of Science and Technology	Contributed
15:00 – 15:20	COFFEE BREAK			
	<u>Control and Analysis Using Strong Laser Fields</u>	Chair – Pavel Polynkin		
15:20 – 15:40	Ignatovsky Diffraction: Calculating Vector Fields in an Arbitrarily Tight Laser Focus	Ware, Michael	Brigham Young University	Contributed
15:40 – 16:00	Coupling cryogenic low-Z jets with ultra-intense lasers to observe novel effects induced by relativistic	Curry, Chandra	SLAC National Accelerator Laboratory	Contributed
16:00 – 16:20	Space-Time Resolved Analysis of Electron Repulsion	Glasgow, Scott	Brigham Young University	Contributed
16:20 – 16:40	Remote detection of radioactive material using mid-IR laser-driven electron avalanche	Schwartz, Robert	University of Maryland	Contributed
19:00-22:00	Dinner at Ristorante EVOO	Co-Chairs host		