Poster Session

P-1 Tracking Autoionizing-Wave-Packet Dynamics at the 1-fs Temporal Scale

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P-2 Observation of laser-assisted electron-atom scattering in femtosecond intense laser fields

Reika Kanya[1*], Yuya Morimoto[1], and Kaoru Yamanouchi[1, 2] ([1]*Department of Chemistry, School of Science, The University of Tokyo, Japan,* [2]*CINQIE, The University of Tokyo, Japan*)

P-3 Visualizing Electron Rearrangement in Space and Time during the Transition from a Molecule to Atoms

A. Jaroń-Becker[1], W. Li[1,2], C.W. Hogle[1], V. Sharma[1], Xibin Zhou[1], A. Becker[1], H.C. Kapteyn[1], and M.M. Murnane[1] (*[1]JILA and Department of Physics, University of Colorado, [2]Department of Chemistry, Wayne State University)*

P-4 Ionization of dissociating hydrogen molecular ion

A. Becker[1], A. Picon[1], N. Takemoto[1], A. Bahabad[1], J. Biegert[2], H.C. Kapteyn[1], M.M. Murnane[1] and A. Jaroń-Becker[1] (*[1]JILA and Department of Physics, University of Colorado, [2]ICFO, Institut de Ciences Fotoniques, Mediterranean Technology Park*)

P-5 Attosecond Electron Localization and Multiple Ionization Bursts in Hydrogen Molecular Ion

Norio Takemoto* and Andreas Becker (*JILA and Department of Physics, University of Colorado*)

P-6 Towards ab initio simulation of hydrogen migration within a molecule: Calculation of the electro-protonic ground state

Tsuyoshi Kato and Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)

P-7 Attosecond pump-probe measurement apparatus for ultrafast hydrogen migration in intense laser fields

Tomoya Okino, Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)

P-8 Concerted high-energy proton emission in laser-induced fragmentations of polyatomic molecules

Stefan Roither[1], Xinhua Xie[1], Daniil Kartashov[1], Li Zhang[1], Huailiang Xu[2], Atsushi Iwasaki[2], Markus Schöffler[1,3], Reinhard Dörner[3], Kaoru Yamanouchi[2], Andrius Baltuska[1], and Markus Kitzler[1] (*1 Photonics Institute, Vienna University of Technology, 2 Department of Chemistry, School of Science,The University of Tokyo, 3 Institut für Kernphysik, J.W. Goethe Universität*)

P-9 Mapping the Coulomb potential's influence on the motion of electronic wave packets in strong laser fields

X. Xie[1], S. Roither[1], D. Kartashov[1], E. Persson[2], Li Zhang[1], S. Gräfe[2], M. Schöffler[1,3], M. Lezius[4], R. Dörner[3], J. Burgdörfer[2], A. Baltuska[1], and M. Kitzler[1] (*1 Photonics Institute, Vienna University of Technology, 2 Institute for Theoretical Physics, Vienna University of Technology, 3 Institut für Kernphysik, J.W. Goethe Universität, 4 Max-Planck Institute for Quantum Optics*)

P-10 Diatomic Molecular Dynamics: Nuclear Imaging during Dissociation

Antonio Picón, Alon Bahabad, Henry C. Kapteyn, Margaret M. Murnane, and Andreas Becker (*JILA and Department of Physics, University of Colorado*)

P-11 Looking inside the block box: deciphering optimal control fields

Guan-Yeu Chen, Ben Crist and Wendell T. Hill III* (*Department of Physics, Institute for Physical Science and Technology and Joint Quantum Institute, University of Maryland*)

P-12 Classical modeling of laser-induced molecular ionization and dissociation

Erik Lötstedt, Tsuyoshi Kato, Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo*)

P-13 Ab initio molecular dynamics calculation by geographical orienteering algorithm

Katsunori Nakai, Tsuyoshi Kato, Hirohiko Kono* and Kaoru Yamanouchi (*Department of Chemistry, School of Science, The University of Tokyo, *Department of Chemistry, Graduate School of Science, Tohoku University*)

P-14 Ultrafast pump-and-probe experiment of dissociative ionization of molecules by EUV-FEL and femtosecond laser pulses

Takahiro SATO[1, 7], Atsushi IWASAKI[1, 7], Shigeki OWADA[1, 7], Tomoya OKINO[1], Kaoru Yamanouchi[1, 7], Akira YAGISHITA[2], Fumihiko KANNARI[3], Makoto AOYAMA[4, 7], Koichi YAMAKAWA[4], Katsumi MIDORIKAWA[5], Hidetoshi NAKANO[6], Makina YABASHI[7], Mitsuru NAGASONO[7], Tadashi TOGASHI[7],

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P-15 Intense terahertz generation from two-color filaments in air

Tie-Jun Wang,[1*] Shuai Yuan,[1] Claude Marceau,[1] Yanping Chen,[1,3] Jean-François Daigle,[1] Zhen-Dong Sun,[1,4] Francis Théberge,[2] Marc Châteauneuf,[2] Jacques Dubois,[2] and See Leang Chin[1] ([1]*Centre d'Optique, Photonique et Laser (COPL) and Département de physique, de génie physique et d'optique, Université Laval*, [2]*Defence Research and Development Canada-Valcartier*, [3]*Hefei National Laboratory for Physical Sciences at Microscale, Department of Modern Physics, University of Science and Technology of China*, [4]*Current address: School of Physics, Shandong University*)

P-16 Coherent Manipulation of Fundamental Electronic Properties of Matter by an Intense Oscillating Field

Yosuke Kayanuma (*Department of Physics and Electronics, Graduate School of Engineering, Osaka Prefecture University*)

P-17 Ultrafast Chirped-pulse Amplification using an Identical Positive Dispersive Media for Both Pulse Stretching and Compression

Yutaka Akahane, Kanade Ogawa, and Koichi Yamakawa (*Japan Atomic Energy Agency*)

P-18 "100-mJ, Diode-pumped, cryogenically-cooled Yb:YLF Chirped-pulse Regenerative

Kanade Ogawa[1,2], Yutaka Akahane[1,2], and Koichi Yamakawa[1,2] (JAEA[1], JST-CREST[2])