ISUILS12--List of poster presentations

P-1 Role of the electron correlation in sequential double ionization

Pengfei Lan[1], Yueming Zhou[1], Adrian N. Pfeiffer[2], Qingbin Zhang[1], Peixiang Lu[1], Katsumi. Midorikawa[3] ([1]School of Physics and Wuhan National Laboratory of Optoelectronics,Huazhong University of Science and Technology, [2] Physics Department, ETH Zurich, [3] Extreme Photonics Research Group, RIKEN Center for Advanced Photonics, RIKEN)

P-2 Contribution of recollision ionization to the cross-shaped structure in nonsequential double ionization

Cheng Huang[*] and Peixiang Lu (School of Physics, Huazhong University of Science and Technology)

P-3 Attosecond Transient Absorption Spectroscopy of doubly-excited states in helium

Luca Argenti[1], Christian Ott[2,3], Thomas Pfeifer[2,3], Fernando Martín[1,4] ([1]Departamento de Química, Módulo 13, Universidad Autónoma de Madrid, [2]Max-Planck Institut f¨ur Kernphysik, [3]Center for Quantum Dynamics, [4]Instituto Madrile˜no de Estudios Avanzados en Nanociencia)

P-4 Retrieval of the timing in multiple ionization of Ne^+ by a strong elliptically polarized laser field

Max Möller[1,2], Philipp Wustelt[1], Tim Rathje[1,2], A. Max. Sayler[1, 2] and Gerhard G. Paulus[1, 2] ([1]Institute of Optics and Quantum Electronics, Friedrich Schiller University Jena, Germany, [2]Helmholtz Institute Jena, Germany)

P-5 Anomalous isotopic effect on electron localization in molecular dissociation by a 3-μm midinfrared pulse

Kunlong Liu[*] and Peixiang Lu (School of Physics, Huazhong University of Science and Technology)

P-6 Correlated electron and nuclear dynamics in strong field photoionization of H_2^+

R.E.F. Silva [1,*], F. Catoire [2], P. Rivière [1], H. Bachau [2], F. Martín [1,3] ([1] Departamento de Química, Universidad Autónoma de Madrid, [2] Centre des Lasers Intenses et Applications CNRS-CEA-Univ. Bordeaux I)

P-7 Full quantum dynamics of H_2 by using Gaussian bases

Yuichi Ichikawa, Tsuyoshi Kato, Kaoru Yamanouchi (Department of Chemistry, School of Science, The University of Tokyo)

P-8 Real-time control of electron correlations in diatomic molecules

T. Shaaran[1], Z. Liang[2], C. Figueira de Morisson Faria[2] ([1] CEA-Saclay, IRAMIS, Service des Photons, Atomes et Molecules, [2] Department of Physics and Astronomy, University College London)

P-9 Bond-selective fragmentation of water with intense, 2-cycle, carrier envelope phase stabilized laser pulses

K. Dota, [1], [2] J. A. Dharmadhikari, [2] A. K. Dharmadhikari1, and D. Mathur, [1], [2]* ([1]Tata Institute of Fundamental Research, [2] Department of Atomic and Molecular Physics)

P-10 Pump-probe coincidence momentum imaging of fragmentation of methanol induced by few-cycle intense laser pulses

Toshiaki Ando, Shun Miura, Akihiro Shimamoto, Atsushi Iwasaki, Kazuki Ootaka, Huailiang Xu, Kaoru Yamanouchi (School of Science, The University of Tokyo)

P-11 Table top imaging of proton migration: Isomerization of acetylene cation as an example of ionization from HOMO-1

H. Ibrahim[1], B. Wales[2], S. Beaulieu[1], N. Thiré[1], B. E. Schmidt[1], E.Bisson[1], J. Sanderson[2], M. Schuurman[3] and F. Légaré[1] ([1]Institut National de la Recherche Scientifique, Centre ÉMT, [2]Department of Physics and Astronomy, University of Waterloo, [3]National Research Council Canada)

P-12 Phase dependent dissociative-ionization processes of CO2 by phase-shaped complex pulses*

J. Lee, G.Y. Chen, H. U. Jang, and W. T. Hill, III (Dept. of Physics, IPST and JQI University of Maryland)

P-13 Observation of femtosecond laser-assisted electron diffraction of CCl_4

Yuya Morimoto, Reika Kanya, and Kaoru Yamanouchi (Department of Chemistry, School of Science, The University of Tokyo)

P-14 DNA damage induced by intense 1350 nm and 2200 nm laser pulses

A. K. Dharmadhikari[1,*], H. Bharambe[2], J. A. Dharmadhikari[3], J. S. D'Souza[2], and D. Mathur[1,3] ([1] Tata Institute of Fundamental Research, [2] UM-DAE Centre for Excellence in Basic Sciences, [3] Department of Atomic and Molecular Physics)

P-15 HOKE, or no HOKE?

Arpita Nath, [1] Jayashree A Dharmadhikari, [2] Aditya K Dharmadhikari, [1,*] and Deepak Mathur[1, 2] ([1]Tata Institute of Fundamental Research, [2] Department of Atomic and Molecular Physics, Manipal University)

P-16 Second harmonic generation via intense laser interaction with clustered gas

Rohit Kumar Mishra and Pallavi Jha (Department of Physics, Plasma Electrodynamics Group University of Lucknow)

P-17 Ion acceleration based on the interaction between high power laser and cluster medium

Y. Fukuda[1], R. Matsui[2], N. Iwata[2], and Y. Kishimoto[1,2] ([1] Kansai Photon Science Institute (KPSI), Japan Atomic Energy Agency (JAEA), [2] Graduate School of Energy Science, Kyoto University)

P-18 Generation of terahertz fields by intense laser pulses propagating in magnetized plasma

Pallavi Jha, Nirmal Kumar Verma and Akanksha Saroch (Department of Physics, University of Lucknow)

P-19 Supercontinuum generation and materials modification using intense Bessel-like beams

A. K. Dharmadhikari[1,*], K. Dota[1,2], J. A. Dharmadhikari[2], R. Bernard[1], A. Bhatnagar[3], and D. Mathur[1,2] ([1]Tata Institute of Fundamental Research, [2] Department of Atomic and Molecular Physics, Manipal University, [3]Photonics Division, SAMEER, IIT campus)

P-20 Grism compressor for compact, high energy CEP-stable laser systems

F. Böhle[1], A. Jullien[1], A. Ricci[1], N. Forget[2], S. Grabrielle[2], P. Tournois[2], R. Lopez-Martens[1]
(1) Laboratoire d'Optique Appliquée, ENSTA-ParisTech, France; (2) Fastlite

P-21 High frequency lasing device by HHG

G. Castiglia[1], P. P. Corso[1], R. Daniele[1], E. Fiordilino[1], F. Morales[2] ([1] Dipartimento di Fisica e Chimica, Università di Palermo, [2] Dipartimento di Energia, Ingegneria dell'Informazione e Modelli Matematici, Università di Palermo)

P-22 Interference effects due to multiple rescatterings in high-order harmonic generation: towards the generation of zeptosecond waveforms

C. Hernández-García[1,2], J.A. Pérez-Hernández[3], T. Popmintchev[1], M.M. Murnane[1], H.C. Kapteyn[1], A. Jaron-Becker[1], A. Becker[1], and L. Plaja[2] ([1]JILA and Department of Physics, University of Colorado at Boulder, [2]Grupo de Investigación en Óptica Extrema, Universidad de Salamanca, [3]Centro de Láseres Pulsados (CLPU))

P-23 Observation of Cooper Minimum in High Harmonic Generation using two color laser fields

Khuong Ba Dinh, Hoang Vu Le, Peter Hannaford and Lap Van Dao (ARC Centre of Excellence for Coherent X-Ray Science and Centre for Atom Optics and Ultrafast Spectroscopy, Swinburne University of Technology)

P-24 Highly monochromatic and tunable extreme ultraviolet emission from a single high-order harmonic based on multi-color laser fields

Pengfei Wei [1, 2], Jing Miao [1], Zhinan Zeng [1], Ruxin Li [1], and Zhizhan Xu[1] ([1] State Key Laboratory of High Field Laser Physics, Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences, [2] College of Physics & Electronic Information Engineering,
Wenzhou University)

P-25 Nanometer optical coherence tomography using broadband extreme ultra violet light

S. Fuchs[1,2], C. Rödel[1,2], M. Wünsche[1,2], J. Biedermann[1], U. Zastrau[1], V. Hilbert[1], E. Förster[1], G. G. Paulus[1,2] ([1] Institute of Optics and Quantum Electronics, Friedrich Schiller University Jena, Germany, [2] Helmholtz Institute Jena)

P-26 High-order harmonics generation and their characterization for soft X-ray microscopy

Kana Yamada[1], Atsushi Iwasaki[1], Takahiro Sato[1], Alana Ogata[1,a], Takahiro Teramoto[1,b], Tomoya Okino[1,2], Makoto Kuwata-Gonokami[3], Katsumi Midorikawa[2], and Kaoru Yamanouchi[1] ([1]Department of Chemistry,

School of Science, the University of Tokyo, [2] RIKEN Center for Advanced Photonics, [3] Department of Physics, School of Science, the University of Tokyo, [a] Department of Chemistry, The College of William and Mary, [b] Department of Electrical and Electronic Engineering, College of Science and Engineering, Ritsumeikan University)

P-27 XUV-pump-XUV-probe studies of molecular dynamics at the femto-/atto-second boundary

P. A. Carpeggiani[1, 2], P. Tzallas[1], A. Palacios[3], D. Gray[1], F. Martín[3, 4] and D. Charalambidis[1, 2]
([1]Foundation for Research and Technology–Hellas, Institute of Electronic Structure and Laser, [2]Department of Physics, University of Crete, [3]Departamento de Química, Módulo 13, Universidad Autónoma de Madrid, [4]Instituto Madrileño de Estudios Avanzados en Nanociencia (IMDEA-Nanociencia))

P-28 ELI-ALPS: The European attosecond infrastructure

C. L. Arnold[2], S. Banerjee[3], M. Baudisch[4], J. Biegert[4,5], F. Brizuela[2], A. Borzsonyi[6], A. Borot[7], F. Calegari[8], D. Charalambidis[1,9], Th. Cowan[10], T. Ditmire[11], Z. Diveki[1,12], P. Dombi[1,13], J. A. Fülöp[1,14], K. Ertel[3], M. Galimberti[3], E. Gaul[11], C. Haeffner[15], M. J. Hebling[14,16], Hemmer[4], C. Hernandez-Gomez[3], Ch. M. Heyl[2], A. L'Huillier[2], D. Jaroszynski[17], P. Johnsson[2], V. Malka[7], D. Kandula[18], M. Kalashnikov[1,18], M. Kaluza[19,20], I. Kocsis[25], P. Kovacs[6], R. Lopez-Martens[1,7], P. Mason[3], I. Márton[13], I. Musgrave[3], M. Nisoli[8], K. Osvay[1,6], G.G. Paulus[19,20], M. Prandolini[20], F. Quere[21], E. Racz[22], P. Racz[13], R. Riedel[20], I.N. Ross[3], J.-P. Rosseau[7], A. Rouzée[18], P. Rudawski[2], G. Sansone[8], J. Schreiber[24] , M. Schulz[23], Ch. Spindloe[24], F. Tavella[20], A. Thai[4], M. Tolley[3], P. Tzallas[9], L. Veisz[24], M. Vrakking[18], I. Will[18] ([1]ELI-Hu Nkft, [2]Lund University, Dept. Phys, [3]Central Laser Facility, Rutherford Appleton Laboratory, [4]ICFO Institut de Ciencies Fotoniques, [5] ICREA–Institució Catalana de Recerca i Estudis Avançats, [6] University of Szeged, [7] Laboratoire d'Optique Appliquee, ENSTA ParisTech, Ecole Polytechnique, [8] Politecnico di Milano, Dept. Physics, [9] FORTH, 10Helmholtz-Zentrum Dresden-Rossendorf, [11]University of Texas, Austin, [12] Imperial College, [13] Wigner Research Centre for Physics, [14] MTA-PTE High-Field THz Research Group, [15] Lawrance Livermore National Laboratory, [16] University of Pecs, [17] Univ Strathclyde, Dept Phys, Scottish Univ Phys Alliance, [18] Max-Born-Institut, [19]Friedrich-Schiller-University Jena, [20] Helmholtz-Institute Jena, [21] CEA, IRAMIS, Service des Photons Atomes et Molécules, [22] Obuda University, [23] Deutsches Elektronen Syncrotron, [24] Max-Planck-Institut für Quantenoptik)

P-29 Beyond Carbon K-edge harmonic emission using spatially and temporally synthesized laser field

J. A. Pérez-Hernández[1], M. F. Ciappina[2, 3], M. Lewenstein[2, 4], L. Roso[1] and A. Zaïr[5]
([1] Centro de Láseres Pulsados, CLPU, [2] ICFO-Institud de Ciènces Fotoniques, [3] Department of Physics, Auburn University, [4] ICREA-Institució Catalana de Recerca i Estudis AvanÇats, [5] Department of Physics, Imperial College London)

P-30 Relativistic frequency synthesis of light fields

Erich Eckner[1], Christian Rödel[1], Jana Bierbach[2] , Matthew Zepf[2] and Gerhard Paulus[1] ([1]Institut für Optik und Quantenelektronik, [2]Helmholtz-Institut)