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List of Poster Presentations

P-1 Electron-nuclear energy sharing through low-energy inelastic recollisions in dissociative multiphoton ionization of D_2

Sebastian Hell[1*] and Matthias Kübel[1] (*[1]Institute of Optics and Quantum Electronics, University of Jena*)

P-2 Electronic, vibrational, and rotational excitation of nitrogen molecular ions in intense laser fields

Erik Lötstedt,[1*] Youyuan Zhang,[1] and Kaoru Yamanouchi[1,2] (*[1] Department of Chemistry, School of Science, The University of Tokyo, [2] Institute for Attosecond Laser Facility, The University of Tokyo*)

P-3 Atmospheric electric discharges controlled by high repetition rate laser filaments

Aurélien Houard[1], Pierre Walch[1], Thomas Produit[2], Victor Moreno[2,*], Benoit Mahieu[1], Antonio Sunjerga[3], Clemens Herkommer[4], Amirhossein Mostajabi[3], Ugo Andral[2], Yves-Bernard André[1], Magali Lozano[1], Laurent Bizet[1], Malte C. Schroeder[2], Guillaume Schimmel[2], Michel Moret[2], Mark Stanley[5], W. A. Rison[5], Oliver Maurice[6], Bruno Esmiller[6], Knut Michel[4], Walter Haas[7], Thomas Metzger[4], Marcos Rubinstein[8], Farhad Rachidi[3], Vernon Cooray[9], André Mysyrowicz[1,10], Jérôme Kasparian[2,11], Jean-Pierre Wolf[2] (*[1]Laboratoire d'Optique Appliquée – ENSTA Paris, Ecole Polytechnique, CNRS, [2]Groupe de Physique Appliquée, Université de Genève, [3]EMC Laboratory, Electrical Engineering Institute, Swiss Federal Institute of Technology, [4]TRUMPF Scientific Lasers GmbH + Co. KG, [5]Langmuir Laboratory for Atmospheric Research, New Mexico Institute of Mining and Technology, [6]ArianeGroup, [7]Swisscom Broadcast AG, [8]School of Management and Engineering Vaud, University of Applied Sciences and Arts Western Switzerland, [9]Department of Electrical Engineering, Uppsala University, [10]André Mysyrowicz Consultants, [11]Institute for Environmental Sciences, Université de Genève*)

P-4 Experimental study of the laser-induced ionization of heavy metal and metalloid ions: Au^+ and Si^{2+}

B. Ying[1,2,*], F. Machalett[1,2], V. Huth[1], M. Kübel[1,2], A. M. Sayler[3], T. Stöhlker[1,2], P. Wustelt[1,2], and G. G. Paulus[1,2,] (*[1]Institute of Optic and Quantum Electronics, Friedrich-Schiller-University Jena, [2]Helmholtz Institute Jena, [3]Benedictine College*)

P-5 Real-space quantum dynamics simulation for NISQ devices

Kazuki Tsuoka[1], Erik Lötstedt[1], Kaoru Yamanouchi[1] (*[1]Department of Chemistry, School of Science, The University of Tokyo*)

P-6 Quantum computing of light-induced rotational wave-packet dynamics

Kotomi Tobinaga[1], Erik Lötstedt[1,] Kaoru Yamanouchi[1,2] (*[1] Department of Chemistry, School of*

Science, The University of Tokyo, [2]Institute for Attosecond Laser Facility, The University of Tokyo)

P-7 Quantum computing of π-conjugated and hetero-π-conjugated molecules with error mitigation methods

Ryuhei Yoshida,[1] Erik Lötstedt,[1] Kaoru Yamanouchi[1,2] (*[1] Department of Chemistry, School of Science, The University of Tokyo, [2]Institute for Attosecond Laser Facility, The University of Tokyo*)

P-8 Topological phase detection through high-harmonic spectroscopy in extended Su-Schrieffer-Heeger chains

Mohit Lal Bera,[1] Jessica O. de Almeida,[1] Marlena Dziurawiec,[2] Marcin Płodzień,[1] Maciej M. Maśka,[2] Maciej Lewenstein,[1,3] Tobias Grass,[4,5,1] and Utso Bhattacharya[1] (*[1]ICFO - Institut de Ciències Fotòniques, The Barcelona Institute of Science and Technology, [2]Institute of Theoretical Physics, Wrocław University of Science and Technology, [3]ICREA, [4]DIPC - Donostia International Physics Center, [5]Ikerbasque - Basque Foundation for Science*)

P-9 Describing high-order harmonic generation in quantum dots using a real space tight-binding approach

Martin Thümmler[1], Alexander Croy[1], Ulf Peschel[2] and Stefanie Gräfe[1] (*[1]Institute of Physical Chemistry, University Jena, [2]Institute of Condensed Matter Theory and Optics, University Jena*)

P-10 Narrowband enhancement of even order harmonics in a monolayer TMDC

V. Korolev[1], T. Lettau[3], V. Krishna[2], A. Croy[4], M. Monfared[3], M. Zürch[5,6], C. Spielmann[1,7], U. Peschel[3], S. Gräfe[4], G. Soavi[2], and D. Kartashov[1] (*[1]Institute of Optics and Quantum Electronics, Friedrich-Schiller University Jena, [2]Institute of Solid State Physics, Friedrich-Schiller University Jena, [3]Institute of Condensed Matter Theory and Solid State Optics, Friedrich Schiller University Jena, [4]Institute of Physical Chemistry, Friedrich Schiller University Jena, [5]Department of Chemistry, University of California at Berkeley, [6]Materials Sciences Division, Lawrence Berkeley National Laboratory, [7]Helmholtz-Institut Jena*)

P-11 Wavelength dependence and ultrafast dephasing in high-order harmonic generation in solids

V. Korolev, V. Krishna, A. Croy, T. Lettau, M. Monfared, U. Peschel, S. Gräfe, G. Soavi, and D. Kartashov (*Friedrich-Schiller University Jena*)

P-12 Selective coupling of coherent optical phonons in $YBa_2Cu_3O_{7-\delta}$ with electronic transitions

Kunie Ishioka[1], Alexej Pashin[2], Christian Bernhard[3], Hrvoje Petek[4], Xin Yao[5] and Jure Demsar[6] (*[1]National Institute for Materials Science, [2]Helmholtz Zentrum Dresden Rossendorf, [3]Department of Physics, University of Fribourg, [4]Department of Physics and Astronomy, University of Pittsburgh, [5]School of Physics and Astronomy, Shanghai Jiao Tong University, [6]Institute of Physics, Johannes Gutenberg University Mainz*)

P-13 Proton acceleration and characterization with the petawatt femtosecond class Laser VEGA-3 at CLPU

J. A. Pérez-Hernández[1*], J. L. Henares[1], R. Lera[1], M. Salvadori[2], J. Apiñaniz[1], A. Curcio[1], D. De Luis[1], M. Ehret[1], M. Huault[1], S. Malko[3], P. Puyuelo-Valdes[1], M. Rico[1], C. Salgado-López[1], G. Zeraouli[1,4,5], C. Méndez[1], E. García-García[1], I. Hernández-Palmero[1], M. Olivar[1], J. D. Pisonero[1], O. Varela[1], D. Arana[1], E. Flores[1], J. Hernández-Toro[1], R. Hernández[1], J. M. Álvarez[1], A. Cives[1], F. Consoli[2], L. Roso[6], G. Gatti[1], M. D. Rodríguez Frías[1], A. Morace[7] and L. Volpe[1,8] (*[1]Centro de Láseres Pulsados (CLPU), [2]ENEA, Fusion and Technology for Nuclear Safety and Security Department, [3]Princeton Plasma Physics Laboratory, [5]Lawrence Livermore National Laboratory, [6]Departamento de Física Aplicada, Universidad de Salamanca, Institute of Laser Engineering, University of Osaka, [8]ETSI Aeronáutica y del Espacio, Universidad Politécnica de Madrid*)

P-14 VEGA PW facility: beamline reorganization, usage statistics and management tools

C. Méndez[1], E. García, [1]M. Olivar[1], O. Varela[1], I. Hernández[1], J. D. Pisonero[1], F. Galán, [1]P. Zapatero[1], L. Roso[2] and M.D. Rodríguez Frías[1] (*[1]Centro de Láseres Pulsados Ultracortos Ultraintensos, [2] Applied Physics Department, University of Salamanca*)