



Contribution ID: 206

Type: oral

Soft X-Ray Attosecond Spectroscopy at an FEL: Molecular Photoionization and Auger Emission Dynamics

Wednesday 3 July 2019 09:45 (15 minutes)

Using high pulse energy soft X-ray attosecond pulses, we investigate ultrafast molecular photoionization and Auger emission dynamics near and beyond the O K -edge of NO via angular streaking with a co-linear velocity map imaging spectrometer.

Authors: CHAMPENOIS, Elio (SLAC National Accelerator Laboratory); Ms LI, Siqi (SLAC National Accelerator Laboratory, Stanford University); Dr DURIS, Joe (SLAC National Accelerator Laboratory); DRIVER, Taran (Stanford PULSE Institute/Linac Coherent Light Source); Mr ROSENBERGER, Philipp (Ludwig-Maximilians-Universität Munich); AL-HADDAD, Andre (Paul Scherrer Institute); AVERBUKH, Vitali (Imperial College London); Mr BARNARD, Jonathan C. T. (Imperial College London); BERRAH, Nora (University of Connecticut); CHRISTOPH, Bostedt (Paul Scherrer Institute); Prof. BUCKSBAUM, Philip (Stanford PULSE Institute, SLAC National Accelerator Laboratory); Dr COFFEE, Ryan (SLAC National Accelerator Laboratory); DIMAURO, Louis (The Ohio State University); FANG, Li (The Ohio State University); Mr GARRATT, Douglas (Imperial College London); Dr GATTON, Averell (SLAC National Accelerator Laboratory); GUO, Zhaoheng (SLAC National Accelerator Laboratory); Dr HARTMANN, Gregor (Institut für Physik und CINSaT, Universität Kassel); Dr HAXTON, Daniel (KLA Corporation); HELML, Wolfram (Technische Universität München); Prof. HUANG, Zhirong (SLAC National Accelerator Laboratory); KAMALOV, Andrei (Stanford PULSE Institute, SLAC National Accelerator Laboratory); Prof. KLING, Matthias (Max Planck Institute of Quantum Optics); Mr KNURR, Jonas (Stanford PULSE Institute, SLAC National Accelerator Laboratory); LAFORGE, Aaron (University of Connecticut); Dr LIN, Ming-Fu (SLAC National Accelerator Laboratory); Dr LUTMAN, Alberto A. (SLAC National Accelerator Laboratory); Dr MACARTHUR, James P. (SLAC National Accelerator Laboratory, Stanford University); MARANGOS, Jon (Imperial College London); Ms NANTTEL, Megan (SLAC National Accelerator Laboratory, Stanford University); Dr NATAN, Adi (Stanford PULSE Institute, SLAC National Accelerator Laboratory); OBAID, Razib (University of Connecticut); Mr O'NEAL, Jordan T. (Stanford PULSE Institute, Stanford University); Dr SHIVARAM, Niranjana H. (SLAC National Accelerator Laboratory); Dr WALTER, Peter (SLAC National Accelerator Laboratory); Dr WOLF, Thomas J. A. (Stanford PULSE Institute, SLAC National Accelerator Laboratory); Dr MARINELLI, Agostino (SLAC National Accelerator Laboratory); Dr CRYAN, James (Stanford PULSE Institute, SLAC National Accelerator Laboratory)

Presenter: CHAMPENOIS, Elio (SLAC National Accelerator Laboratory)

Session Classification: Transient absorption and XUV spectroscopy of atoms and molecules