

Invited Review Articles:

1. Interatomic and Intermolecular Coulombic Decay: The Coming of Age Story

T. Jahnke

J. Phys. B48, 082001 (2015)

2. Time-resolved studies of Interatomic Coulombic Decay

U. Frühling, F. Trinter, F. Karimi, J. B. Williams, and T. Jahnke

J. Elec. Spec. Rel. Phen. 204, 237 (2015)

3. Interatomic and Intermolecular Coulombic Decay

T. Jahnke, U. Hergenhahn, B. Winter, R. Dörner, U. Frühling, P. V. Demekhin, K. Gokhberg, L. S. Cederbaum, A. Ehresmann, A. Knie, A. Dreuw

Chem. Rev. (2020) DOI: 10.1021/acs.chemrev.0c00106

Other Invited Articles

4. Multicoincidence studies of photo and Auger electrons from fixed-in-space molecules using the COLTRIMS technique

T. Jahnke, Th. Weber, T. Osipov, A. L. Landers, O. Jagutzki, L. Ph. H. Schmidt, C. L. Cocke, M. H. Prior, H. Schmidt-Böcking, R. Dörner

J. Elec. Spec. Rel. Phen., 141, 229-238 (2004)

5. Interatomic Coulombic Decay: Die subtile Seite der Coulombwechselwirkung,

T. Jahnke, Physik Journal 13, Nr. 8, 55 (2014)

6. Tiefkalte Helium-Moleküle,

S. Zeller, M. Kunitski, J. Voigtsberger, T. Jahnke, R. Dörner, Chemie in unserer Zeit, 2, 80-81 (2017)

7. Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction

K. Ueda, E. Sokell, S. Schippers, F. Aumayr, H. Sadeghpour, J. Burgdörfer, C. Lemell, X.-M. Tong, T. Pfeifer, F. Calegari, A. Palacios, F. Martin, P. Corkum, G. Sansone, E. V. Gryzlova, A. N. Grum-Grzhimailo, M. Novella Piancastelli, P. M. Weber, T. Steinle, K. Amini, J. Biegert, N. Berrah, E. Kukk, R. Santra, A. Müller, D. Doweck, R. R. Lucchese, C. W. McCurdy, P. Bolognesi, L. Avaldi, T. Jahnke, M. S. Schöffler, R. Dörner, Y. Mairesse, L. Nahon, O. Smirnova, T. Schlathölter, E. E. B. Campbell, J.-M. Rost, M. Meyer, K. A. Tanaka

J. Phys. B52, 171001 (2019)

8. Angular emission distribution of O 1s photoelectrons of uniaxially oriented methanol

L. Kaiser, K. Fehre, N. M. Novikovskiy, J. Stindl, D. Tsitsonis, G. Gopakumar, I. Unger, J. Söderström, O. Björneholm, M. Schöffler, T. Jahnke, R. Dörner, F. Trinter, Ph V. Demekhin

J. Phys. B53, 194002 (2020)

9. Wie ein Photon ein Wasserstoffmolekül durchquert

S. Grundmann, T. Jahnke, R. Dörner

Phys. U. Zeit 52, 9 (2021)

List of Peer-Reviewed Publications as of Mai 2024

Total: 219, Nature group/Science group/PNAS: 27, Phys. Rev. Lett./X: 63

219. Ultrafast Kapitza-Dirac effect

Kang Lin, Sebastian Eckart, Hao Liang, Alexander Hartung, Sina Jacob, Qinying Ji, Lothar Ph. H. Schmidt, Markus S. Schöffler, Till Jahnke, Maksim Kunitski, Reinhard Dörner

Science 383, 1467-1470 (2024)

218. Photoelectron Circular Dichroism in the Spin-Polarized Spectra of Chiral Molecules

A. N. Artemyev, R. Tomar, D. Trabert, D. Kargin, E. Kutscher, M. S. Schöffler, L. Ph. H. Schmidt, R. Pietschnig, T. Jahnke, M. Kunitski, S. Eckart, R. Dörner, Ph. V. Demekhin
Phys. Rev. Lett. 132, 123202 (2024)

217. Differentiating three-dimensional molecular structures using laser-induced coulomb explosion imaging

H. Lam, A. S. Venkatachalam, S. Bhattacharyya, K. Chen, K. Borne, E. Wang, R. Boll, T. Jahnke, V. Kumarappan, A. Rudenko, and D. Rolles
Phys. Rev. Lett. 132, 123201 (2024)

216. Saddle-point electrons emitted in p-He collisions

L. Ph. H. Schmidt, M. S. Schöffler, T. Jahnke, H. Schmidt-Böcking, R. Dörner
Phys. Rev. A 109, 032811 (2024)

215. Tracing Photoinduced Hydrogen Migration in Alcohol Dications from Time-Resolved Molecular-Frame Photoelectron Angular Distributions

T. Kuraoka, S. Goto, M. Kanno, S. Diaz-Tendero, J. Reino-Gonzalez, F. Trinter, A. Pier, L. Sommerlad, N. Melzer, O. D. McGinnis, J. Kruse, T. Wenzel, T. Jahnke, H. Xue, N. Kishimoto, K. Yoshikawa, Y. Tamura, F. Ota, K. Hatada, K. Ueda, and F. Martin
J. Phys. Chem. A, 128, 1241 (2024)

214. Ideal two-color field ratio for holographic angular streaking of electrons

D. Trabert, A. Geyer, N. Anders, M. Hofmann, M. S. Schöffler, L. Ph. H. Schmidt, T. Jahnke, M. Kunitski, R. Dörner, S. Eckart
Phys. Rev. Res. 5, 043245 (2023)

213. Observation of a collective two-electron molecular resonance

J. Rist, M. Weller, M. Kircher, D. Trabert, N. Melzer, J. Siebert, I. Vela-Perez, M. Waitz, G. Kastirke, S. Eckart, S. Grundmann, M. S. Schöffler, R. Dörner, F. Trinter, T. Jahnke
Phys. Rev. Res. 5, 043283 (2023)

212. Isotope effects in dynamics of water isotopologues induced by core ionization at an x-ray free-electron laser

R. Guillemin, L. Inhester, M. Ilchen, T. Mazza, R. Boll, Th. Weber, S. Eckart, P. Grychtol, N. Rennhack, T. Marchenko, N. Velasquez, O. Travnikova, I. Ismail, J. Niskanen, E. Kukk, F. Trinter, M. Gisselbrecht, R. Feifel, G. Sansone, D. Rolles, M. Martins, M. Meyer, M. Simon, R. Santra, T. Pfeifer, T. Jahnke, and M. N. Piancastelli
Struct. Dyn. 10, 054302 (2023)

211. Interatomic Coulombic decay in small helium clusters

S. Kazandjian, M. Kircher, G. Kastirke, J. B. Williams, M. Schöffler, M. Kunitski, R. Dörner, T. Miteva, S. Engin, F. Trinter, T. Jahnke, and N. Sisourat
Phys. Chem. Chem. Phys. 25, 25711 (2023)

210. Angular dependence of the Wigner time delay upon strong-field ionization from an aligned p-orbital

D. Trabert, N. Anders, A. Geyer, M. Hofmann, M. S. Schöffler, L. Ph. H. Schmidt, T. Jahnke, M. Kunitski, R. Dörner, S. Eckart
Phys. Rev. Res. 5, 023118 (2023)

209. Experimental fingerprint of the electron's longitudinal momentum at the tunnel exit in strong field ionization

A. Geyer, D. Trabert, M. Hofmann, N. Anders, M. S. Schöffler, L. Ph. H. Schmidt, T. Jahnke, M. Kunitski, R. Dörner, S. Eckart

Phys. Rev. Res. 5, 033094 (2023)

208. High-energy molecular-frame photoelectron angular distributions: a molecular bond-length ruler

I. Vela-Perez, F. Ota, A. Mhamdi, Y. Tamura, J. Rist, N. Melzer, S. Uerken, G. Nalin, N. Anders, D. You, M. Kircher, C. Janke, M. Waitz, F. Trinter, R. Guillemin, M. N. Piancastelli, M. Simon, V. T. Davis, J. B. Williams, R. Dörner, K. Hatada, K. Yamazaki, K. Fehre, Ph. V. Demekhin, K. Ueda, M. S. Schöffler, T. Jahnke
Phys. Chem. Chem. Phys. 25, 13784 (2023)

207. Quantum correlation of electron and ion energy in the dissociative strong-field ionization of H_2

A. Geyer, O. Neufeld, D. Trabert, U. De Giovannini, M. Hofmann, N. Anders, L. Sarkadi, M. S. Schöffler, L. Ph. H. Schmidt, A. Rubio, T. Jahnke, M. Kunitski, S. Eckart
Phys. Rev. Res. 5, 013123 (2023)

206. Mechanisms of one-photon two-site double ionization after resonant inner-valence excitation in Ne clusters

A. Hans, F. Trinter, Ph. Schmidt, S. Eckart, S. Grundmann, G. Hartmann, X. Holzapfel, C. Honisch, G. Kastirke, M. Kircher, N. Melzer, C. Ozga, C. Richter, J. Rist, M. Schöffler, D. Trabert, I. Vela-Perez, J. H. Viehmann, M. Weller, R. Dörner, U. Hergenbahn, A. Ehresmann, A. Knie, K. Gokhberg, A. Ghosh, T. Jahnke
Phys. Rev. Res. 5, 013055 (2023)

205. Molecular-frame differential photoelectron circular dichroism of O 1s-photoelectrons of trifluoromethoxyirane

G. Nalin, N. M. Novikovskiy, K. Fehre, N. Anders, D. Trabert, S. Grundmann, M. Kircher, A. Khan, R. Tomar, M. Hofmann, M. Waitz, I. Vela-Perez, G. Kastirke, J. Siebert, D. Tsitsonis, C. Küstner-Wetekam, L. Marder, J. Viehmann, F. Trinter, H. Fukuzawa, K. Ueda, J. B. Williams, A. Knie, R. Dörner, M. S. Schöffler, T. Jahnke, Ph. V. Demekhin
Phys. Rev. Res. 5, 013021 (2023)

204. A new route for enantio-sensitive structure determination by photoelectron scattering on molecules in the gas phase

K. Fehre, N. M. Novikovskiy, S. Grundmann, G. Kastirke, S. Eckart, F. Trinter, J. Rist, A. Hartung, D. Trabert, Ch. Janke, M. Pitzer, S. Zeller, F. Wiegandt, M. Weller, M. Kircher, G. Nalin, M. Hofmann, L. Ph. H. Schmidt, A. Knie, A. Hans, L. Ben Ltaief, A. Ehresmann, R. Berger, H. Fukuzawa, K. Ueda, H. Schmidt-Böcking, J. B. Williams, T. Jahnke, R. Dörner, Ph. V. Demekhin, M. S. Schöffler
Phys. Chem. Chem. Phys. 24, 26458-26465 (2022)

203. Observation of Nondipole-Induced Asymmetry in the Angular Emission Distribution of Photoelectrons from Fixed-in-Space CO Molecules

D.V. Rezvan, K. Klysek, S. Grundmann, A. Pier, N. M. Novikovskiy, N. Strenger, D. Tsitsonis, M. Kircher, I. Vela-Peréz, K. Fehre, F. Trinter, M. S. Schöffler, T. Jahnke, R. Dörner, Ph. V. Demekhin
Phys. Rev. Lett. 129, 253201 (2022)

202. Investigating charge-up and fragmentation dynamics of oxygen molecules after interaction with strong X-ray free-electron laser pulses

G. Kastirke, F. Ota, D. V. Rezvan, M. S. Schöffler, M. Weller, J. Rist, R. Boll, N. Anders, T. M. Baumann, S. Eckart, B. Erk, A. De Fanis, K. Fehre, A. Gatton, S. Grundmann, P. Grychtol, A. Hartung, M. Hofmann, M. Ilchen, C. Janke, M. Kircher, M. Kunitski, X. Li, T. Mazza, N. Melzer, J. Montano, V. Music, G. Nalin, Y. Ovcharenko, A. Pier, N. Rennhack, D. E. Rivas, R. Dörner, D. Rolles, A. Rudenko, Ph. Schmidt, J. Siebert, N. Strenger, D. Trabert, I. Vela-Perez, R. Wagner, Th. Weber, J. B. Williams, P. Ziolkowski, L. Ph. H. Schmidt, A. Czasch, Y. Tamura, N. Hara, K. Yamazaki, K. Hatada, F. Trinter, M. Meyer, K. Ueda, Ph. V. Demekhin, T. Jahnke
Phys. Chem. Chem. Phys. 24, 27121-27127 (2022)

201. Extreme Ultraviolet Wave Packet Interferometry of the Autoionizing HeNe Dimer

D. Uhl, A. Wituschek, R. Michiels, F. Trinter, T. Jahnke, E. Allaria, C. Callegari, M. Danailov, M. Di Fraia, O. Plekan, U. Bangert, K. Dulitz, F. Landmesser, M. Michelbach, A. Simoncig, M. Manfredda, S. Spampinati, G. Penco, R. J. Squibb, R. Feifel, T. Laarmann, M. Mudrich, K. C. Prince, G. Cerullo, L. Giannessi, F. Stienkemeier, L. Bruder
J. Phys. Chem. Lett. 13, 8470-8476 (2022)

200. Quasifree Photoionization under the Reaction Microscope

S. Grundmann, F. Trinter, Y.-K. Fang, K. Fehre, N. Strenger, A. Pier, L. Kaiser, M. Kircher, L.-Y. Peng, T. Jahnke, R. Dörner, M. S. Schöffler
Atoms 10, 68-75 (2022)

199. Influence of the emission site on the photoelectron circular dichroism in trifluoromethyloxirane

K. Fehre, F. Trinter, N. M. Novikovskiy, S. Grundmann, D. Tsitsonis, S. Eckart, L. Bauer, M. Hilzinger, T. Jahnke, R. Dörner, Ph. V. Demekhin, M. S. Schöffler
Phys. Chem. Chem. Phys. 24, 13597-13604 (2022)

198. Resonance-enhanced x-ray multiple ionization of a polyatomic molecule

X. Li, A. Rudenko, T. Mazza, A. Rörig, N. Anders, Th. M. Baumann, S. Eckart, B. Erk, A. De Fanis, K. Fehre, R. Dörner, L. Foucar, S. Grundmann, P. Grychtol, A. Hartung, M. Hofmann, M. Ilchen, Ch. Janke, G. Kastirke, M. Kircher, K. Kubicek, M. Kunitski, S. Meister, N. Melzer, J. Montano, V. Music, G. Nalin, Y. Ovcharenko, Ch. Passow, A. Pier, N. Rennhack, J. Rist, D. E. Rivas, I. Schlichting, L. Ph. H. Schmidt, Ph. Schmidt, M. S. Schöffler, J. Siebert, N. Strenger, D. Trabert, F. Trinter, I. Vela-Perez, R. Wagner, P. Walter, M. Weller, P. Ziolkowski, A. Czasch, M. Meyer, T. Jahnke, D. Rolles, R. Boll
Phys. Rev. A 105, 053102 (2022)

197. Photoelectron energy peaks shift against the radiation pressure in strong-field ionization

K. Lin, S. Eckart, A. Hartung, D. Trabert, K. Fehre, J. Rist, L. Ph. H. Schmidt, M. S. Schöffler, T. Jahnke, M. Kunitski, R. Dörner
Sci. Adv. 8, 12 (2022)

196. Magnetic-Field Effect as a Tool to Investigate Electron Correlation in Strong-Field Ionization

K. Lin, X. Chen, S. Eckart, H. Jiang, A. Hartung, D. Trabert, K. Fehre, J. Rist, L. Ph. H. Schmidt, M. S. Schöffler, T. Jahnke, M. Kunitski, F. He, R. Dörner
Phys. Rev. Lett. 128, 113201 (2022)

195. X-ray multiphoton-induced Coulomb explosion images complex single molecules

R. Boll, J. M. Schäfer, B. Richard, K. Fehre, G. Kastirke, Z. Jurek, M. S. Schöffler, M. M. Abdullah, N. Anders, T. M. Baumann, S. Eckart, B. Erk, A. De Fanis, R. Dörner, S. Grundmann, P. Grychtol, A. Hartung, M. Hofmann, M. Ilchen, L. Inhester, C. Janke, R. Jin, M. Kircher, K. Kubicek, M. Kunitski, X. Li, T. Mazza, S. Meister, N. Melzer, J. Montano, V. Music, G. Nalin, Y. Ovcharenko, C. Passow, A. Pier, N. Rennhack, J. Rist, D. E. Rivas, D. Rolles, I. Schlichting, L. Ph. H. Schmidt, P. Schmidt, J. Siebert, N. Strenger, D. Trabert, F. Trinter, I. Vela-Perez, R. Wagner, P. Walter, M. Weller, P. Ziolkowski, S.-K. Son, A. Rudenko, M. Meyer, R. Santra, T. Jahnke
Nat. Phys. 18, 423-428 (2022)

194. Ultrafast temporal evolution of interatomic Coulombic decay in NeKr dimers

F. Trinter, T. Miteva, M. Weller, A. Hartung, M. Richter, J. B. Williams, A. Gatton, B. Gaire, J. Sartor, A. L. Landers, B. Berry, I. Ben-Itzhak, N. Sisourat, V. Stumpf, K. Gokhberg, R. Dörner, J. Jahnke, T. Weber
Chem. Sci. 13, 1789 (2022)

193. Ion and Electron Momentum Distribution from Single and Double Ionization of Helium Induced by Compton Scattering

M. Kircher, F. Trinter, S. Grundmann, G. Kastirke, M. Weller, I. Vela-Perez, A. Khan, C. Janke, M. Waitz, S. Zeller, T. Mletzko, D. Kirchner, V. Honkimäki, S. Houamer, O. Chuluunbaatar, Yu. V. Popov, I. P. Volobuev, M. Schöffler, L. Ph. H. Schmidt, T. Jahnke, R. Dörner
Phys. Rev. Lett. 128, 053001 (2022)

192. Magnetic-Field Effect in High-Order Above-Threshold Ionization

K. Lin, S. Brennecke, H. Ni, X. Chen, A. Hartung, D. Trabert, K. Fehre, J. Rist, X. M. Tong, J. Burgdörfer, L. Ph. H. Schmidt, M. S. Schöffler, T. Jahnke, M. Kunitski, F. He, M. Lein, S. Eckart, R. Dörner
Phys. Rev. Lett. 128, 023201 (2022)

191. Coulomb explosion imaging of small polyatomic molecules with ultrashort x-ray pulses

X. Li, A. Rudenko, M. S. Schöffler, N. Anders, Th. M. Baumann, S. Eckart, B. Erk, A. De Fanis, K. Fehre, R. Dörner, L. Foucar, S. Grundmann, P. Grychtol, A. Hartung, M. Hofmann, M. Ilchen, Ch. Janke, G. Kastirke, M. Kircher, K. Kubicek, M. Kunitski, T. Mazza, S. Meister, N. Melzer, J. Montano, V. Music, G. Nalin, Y. Ovcharenko, Ch. Passow, A. Pier, N. Rennhack, J. Rist, D. E. Rivas, I. Schlichting, L. Ph. H. Schmidt, Ph. Schmidt, J. Siebert, N. Strenger, D. Trabert, F. Trinter, I. Vela-Perez, R. Wagner, P. Walter, M. Weller, P. Ziolkowski, A. Czasch, D. Rolles, M. Meyer, T. Jahnke, R. Boll
Phys. Rev. Res. 4, 013029 (2022)

190. Nonadiabatic Strong Field Ionization of Atomic Hydrogen

D. Trabert, N. Anders, S. Brennecke, M. S. Schöffler, T. Jahnke, L. Ph. H. Schmidt, M. Kunitski, M. Lein, R. Dörner, S. Eckart
Phys. Rev. Lett. 127, 273201 (2021)

189. Inner-Shell-Ionization-Induced Femtosecond Structural Dynamics of Water Molecules Imaged at an X-ray Free-Electron Laser

T. Jahnke, R. Guillemin, L. Inhester, S.-K. Son, G. Kastirke, M. Ilchen, J. Rist, D. Trabert, N. Melzer, N. Anders, T. Mazza, R. Boll, A. De Fanis, V. Music, Th. Weber, M. Weller, S. Eckart, K. Fehre, S. Grundmann, A. Hartung, M. Hofmann, C. Janke, M. Kircher, G. Nalin, A. Pier, J. Siebert, N. Strenger, I. Vela-Perez, T. M. Baumann, P. Grychtol, J. Montano, Y. Ovcharenko, N. Rennhack, D. E. Rivas, R. Wagner, P. Ziolkowski, P. Schmidt, T. Marchenko, O. Travnikova, L. Journal, I. Ismail, E. Kukk, J. Niskanen, F. Trinter, C. Voizzi, M. Devetta, S. Stagira, M. Gisselbrecht, A. L. Jäger, X. Li, Y. Malakar, M. Martins, R. Feifel, L. Ph. H. Schmidt, A. Czasch, G. Sansone, D. Rolles, A. Rudenko, R. Moshhammer, R. Dörner, M. Meyer, T. Pfeifer, M. S. Schöffler, R. Santra, M. Simon, and M. N. Piancastelli
Phys. Rev. X. 11, 041044 (2021)

188. Measuring the photoelectron emission delay in the molecular frame

J. Rist, K. Klysek, N. M. Novikovskiy, M. Kircher, I. Vela-Perez, D. Trabert, S. Grundmann, D. Tsitsonis, J. Siebert, A. Geyer, N. Melzer, Ch. Schwarz, N. Anders, L. Kaiser, K. Fehre, A. Hartung, S. Eckart, L. Ph. H. Schmidt, M. S. Schöffler, V. T. Davis, J. B. Williams, F. Trinter, R. Dörner, Ph. V. Demekhin, T. Jahnke
Nat. Comm. 12, 6657 (2021)

187. Photoelectron circular dichroism of O 1s-photoelectrons of uniaxially oriented trifluoromethyloxirane: energy dependence and sensitivity to molecular configuration

G. Nalin, K. Fehre, F. Trinter, N. M. Novikovskiy, N. Anders, D. Trabert, S. Grundmann, M. Kircher, A. Khan, R. Tomar, M. Hofmann, M. Waitz, I. Vela-Perez, G. Kastirke, J. Siebert, D. Tsitsonis, H. Fukuzawa, K. Ueda, J. B. Williams, D. Kargin, M. Maurer, C. Küstner-Wetekam, L. Marder, J. Viehmann, A. Knie, T. Jahnke, M. Ilchen, R. Dörner, R. Pietschnig, P. V. Demekhin, M. S. Schöffler
Phys. Chem. Chem. Phys. 23, 17248 (2021)

186. Fourfold Differential Photoelectron Circular Dichroism

K. Fehre, N. M. Novikovskiy, S. Grundmann, G. Kastirke, S. Eckart, F. Trinter, J. Rist, A. Hartung, D. Trabert, C. Janke, G. Nalin, M. Pitzer, S. Zeller, F. Wiegandt, M. Weller, M. Kircher, M. Hofmann, L. Ph. H. Schmidt, A. Knie, A. Hans, L. Ben Ltaief, A. Ehresmann, R. Berger, H. Fukuzawa, K. Ueda, H. Schmidt-Böcking, J. B. Williams, T. Jahnke, R. Dörner, M. S. Schöffler, Ph. V. Demekhin
Phys. Rev. Lett. 127, 103201 (2021)

185. Angular dependence of the Wigner time delay upon tunnel ionization of H_2

D. Trabert, S. Brennecke, K. Fehre, N. Anders, A. Geyer, S. Grundmann, M. S. Schöffler, L. Ph. H. Schmidt, T. Jahnke, R. Dörner, M. Kunitski, S. Eckart
Nat. Comm. 12, 1697 (2021)

184. Electric Nondipole Effect in Strong-Field Ionization

A. Hartung, S. Brennecke, K. Lin, D. Trabert, K. Fehre, J. Rist, M. S. Schöffler, T. Jahnke, L. Ph. H. Schmidt, M. Kunitski, M. Lein, R. Dörner, S. Eckart
Phys. Rev. Lett. 126, 053202 (2021)

183. Strong Differential Photoion Circular Dichroism in Strong-Field Ionization of Chiral Molecules

K. Fehre, S. Eckart, M. Kunitski, C. Janke, D. Trabert, M. Hofmann, J. Rist, M. Weller, A. Hartung, L. Ph. H. Schmidt, T. Jahnke, H. Braun, T. Baumert, J. Stohner, Ph. V. Demekhin, M. S. Schöffler, R. Dörner
Phys. Rev. Lett. 126, 083201 (2021)

182. Ultrafast manipulation of the weakly bound helium dimer

M. Kunitski, Q. Guan, H. Maschkiwitz, J. Hahnenbruch, S. Eckart, S. Zeller, A. Kalinin, M. Schöffler, L. Ph. H. Schmidt, T. Jahnke, D. Blume, R. Dörner
Nat. Phys. 17, 174-178 (2021)

181. Sideband modulation by subcycle interference

S. Eckart, D. Trabert, K. Fehre, A. Geyer, J. Rist, K. Lin, F. Trinter, L. Ph. H. Schmidt, M. S. Schöffler, T. Jahnke, M. Kunitski, R. Dörner
Phys. Rev. A 102, 043115 (2021)

180. Double Core-Hole Generation in O_2 Molecules Using an X-Ray Free-Electron Laser: Molecular-Frame Photoelectron Angular Distributions

G. Kastirke, M. S. Schöffler, M. Weller, J. Rist, R. Boll, N. Anders, Th. M. Baumann, S. Eckart, B. Erk, A. De Fanis, K. Fehre, A. Gatton, S. Grundmann, P. Grychtol, A. Hartung, M. Hofmann, M. Ilchen, Ch. Janke, M. Kircher, M. Kunitski, X. Li, T. Mazza, N. Melzer, J. Montano, V. Music, G. Nalin, Y. Ovcharenko, A. Pier, N. Rennhack, D. E. Rivas, R. Dörner, D. Rolles, A. Rudenko, Ph. Schmidt, J. Siebert, N. Strenger, D. Trabert, I. Vela-Perez, R. Wagner, Th. Weber, J. B. Williams, P. Ziolkowski, L. Ph. H. Schmidt, A. Czasch, K. Ueda, F. Trinter, M. Meyer, Ph. V. Demekhin, and T. Jahnke
Phys. Rev. Lett. 125, 163201 (2020)

179. Zeptosecond Birth Time Delay in Molecular Photoionization

S. Grundmann, D. Trabert, K. Fehre, N. Strenger, A. Pier, L. Kaiser, M. Kircher, M. Weller, S. Eckart, L. Ph. H. Schmidt, F. Trinter, T. Jahnke, M. S. Schöffler, R. Dörner
Science 370, 339 (2020)

178. Interatomic and Intermolecular Coulombic Decay

T. Jahnke, U. Hergenhahn, B. Winter, R. Dörner, U. Fröhling, P. V. Demekhin, K. Gokhberg, L. S. Cederbaum, A. Ehresmann, A. Knie, A. Dreuw
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177. Angular emission distribution of O 1s photoelectrons of uniaxially oriented methanol

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