



Speaker: Chii-Dong Lin, ETH-Fast Fellow, Kansas State University, Manhattan, KS, USA

Title: Strong-field Physics and Attosecond Science

Publication: Ten most relevant publications on strong-field physics and attosecond physics since 2008

1. Cosmin I. Baga, Junliang Xu, Anthony D. DiChiara, Emily Sistrunk, Kaikai Zhang, Pierre Agostini, Terry A. Miller, Louis F. DiMauro and C. D. Lin, "Laser induced electron diffraction for ultrafast molecular dynamics," *Nature*, 483, 194 (2012)
2. Wei-Chun Chu and C. D. Lin, "Photoabsorption of attosecond XUV light pulses by two strongly laser-coupled autoionizing states", *Phys. Rev. A* 85, 013409 (2012)
3. Cheng Jin, Anh-Thu Le, and C. D. Lin, "Medium Propagation effects in high-order-harmonic generation of Ar and N₂", *Phys. Rev. A* 83, 023411 (2011)
4. Wei-Chun Chu, Song-Feng Zhao and C. D. Lin, "Laser-assisted-autoionization dynamics of helium resonances with single attosecond pulses", *Phys. Rev. A* 84, 033426 (2011)
5. Cheng Jin, A. T. Le, C. Trallero-Herrero and C. D. Lin, "Generation of isolated attosecond pulses in the far field by spatial filtering with an intense few-cycle mid-infrared laser", *Phys. Rev. A* 84, 043411 (2011)
6. C. D. Lin, A. T. Le, Z. J. Chen, T. Morishita and R. Lucchese, "Strong field rescattering physics self-imaging of a molecule by its own electrons," *Topical Review, J. Phys. B* 43, 122001 (2010)
7. T. Morishita, A. T. Le, Z. Chen and C.D. Lin, "Accurate retrieval of structural information from laser-induced photoelectron and high-order harmonic spectra by few-cycle laser pulses," *Phys. Rev. Lett.* 100, 013903 (2008)
8. Anh-Thu Le, R.R. Lucchese, S. Tonzani, T. Morishita and C.D. Lin, "Quantitative rescattering theory for high-order harmonic generation from molecules," *Phys. Rev. A* 80, 013401 (2009)
9. Z. Chen, A. T. Le, T. Morishita and C.D. Lin, "Quantitative rescattering theory for laser induced high-energy plateau photoelectron spectra," *Phys. Rev. A* 79, 033409 (2009)
10. Junliang Xu, Zhangjin Chen, A. T. Le and C. D. Lin, "Self-imaging of molecules from diffraction spectra by laser-induced rescattering electrons," *Phys. Rev. A* 82, 023814 (2010)

Full list see: <http://www.phys.ksu.edu/personal/cdlin/papers/pubnow.html>