



- Time:** 16:00 – 18:00
- Location:** ETH Zurich, Hönggerberg Campus, HCI D 8
- Speaker:** **Chii-Dong Lin**, ETH-Fast Fellow, Kansas State University, Manhattan, KS, USA
- Title:** [Strong-field Physics and Attosecond Science](#)
- Abstracts:** **Strong field Physics and Quantitative Rescattering theory**
The presentation will cover the basic ideas behind quantitative rescattering and its validity and some applications in above-threshold ionization spectra and in high-order harmonic generation.
Basic papers in QRS review - J. Phys. B43, 122001 (2010)
Full QRS papers on HHG, ATI and NSDI - Phys Rev. A80, 013401 (2009); A79, 033409 (2009); A82, 063417 (2010); respectively.
- 11.09.2012**
- 12.09.2012** **Attosecond Physics - the promise and the challenge**
This presentation will start with a personal view on the topic and then go on to discuss what we have done in this area, including probing time-dependent studies of Fano resonances, XUV +IR studies of Fano resonances by electron and photon spectroscopy, and pulse shaping of XUV (extreme ultraviolet).
Some recent papers: Phys. Rev. A82, 035402 (2010); A84, 043411 (2010) and A85, 013409 (2012) and a preprint.
- Host:** **Ursula Keller**, [Ultrafast Laser Physics](#), Direction Committee of ETH-FAST
Hans Jakob Wörner, [Ultrafast Spectroscopy+Attosecond Science](#), D-CHAB
- More Info:** www.opteth.ethz.ch/news/laser_seminar
www.nccr-must.ch/fast_centers/eth-fast/eth-fast_fellows.html
- Handouts:** Handouts and certificate will be available for the registered participants
- Registration:** Please use www.nccr-must.ch to register ([direct link](#) in the right banner)



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