



Time & Location: 1st November 17:00 – 19:00 HIT H 42
2nd November 14:00 – 16:00 HPL D 32

ETH Zurich, Hönggerberg Campus

Speaker: **Joseph Eberly**, ETH-Fast Fellow
University of Rochester, Department of Physics and Astronomy, Rochester, NY

What is the SENE approach to high-field atomic effects?

Titles & Abstracts: **Lecture 1:** Between TDSE and TDNE, and without reference to tunneling, there is a new approach to multiphoton ionization theory labelled SENE. An overview will be presented of the SENE method in connection with high-field atomic and molecular phenomena where its application appears promising.

Understanding light polarization a bit better

Lecture 2: The nature of light polarization is not so well understood as the theories of George Stokes and Emil Wolf would lead us to believe. A wider viewpoint is required in order to accommodate the needs of increasingly complex light fields. It turns out that even for completely classical light, entanglement plays an important role.

Host: **Ursula Keller**, [Ultrafast Laser Physics](#), D-PHYS, ETH-FAST Direction Committee

More: www.opteth.ethz.ch/news/laser_seminar
www.nccr-must.ch/fast_centers/eth-fast/eth-fast_fellows.html

Link: <http://www.pas.rochester.edu/~eberlygroup/>

Info: Handouts and certificate will be available for the registered participants. Please use www.nccr-must.ch to register ([direct link](#) in the right banner)



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