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Type: **not specified**

Ultrashort pulsed lasers

Thursday 18 October 2012 11:00 (1 hour)

- Fundamental properties of short light pulses (spectral coherence, high intensities)
- Mathematical description of short laser pulses and basic pulse distortion/shaping effects (dispersion, chirps)
- Generation and measurement of short pulses
- Nonlinear-optical light conversion to other spectral (e.g. XUV) and temporal (e.g. attosecond) ranges
- Some selected experimental applications

Presenter: Dr PFEIFFER, Thomas (MPIK, Heidelberg, Germany)