

Light-field driven dynamics

Workshop & Idea-exchange
to discuss recent **experimental**
and **theoretical** progress towards
understanding the **dynamic response**
of condensed phase systems to
ultrafast light-fields

proudly featuring guests
from

ICFO Barcelona / U Tsukuba /
MBI Berlin / MPSD Hamburg /
SLAC Stanford / TU Dortmund /
TU Wien / MPQ Garching /
CNR Lecce / KFU Graz /
TU Graz

	Tuesday	Wednesday	Thursday
10:00	Get-to-know everyone / Introduction <hr/> Atto - Experimental Techniques & Processes that can be studied <hr/> Julia Gessner MPQ Atto-TA in metals and semiconductors (skype) <hr/> Jens Biegert ICFO Carrier dynamics in TiS ₂	Discussion: Local currents & Attosecond XUV experiments	Discussion: Polarization Sampling of ultrafast currents - Energy exchange dynamics Attosecond carrier injection for ultrafast opto-electronics
12:00	Lunch @ Rooftop Mensa		
13:30	Marcus Ossiander MPQ Photoconductive light-wave sampling <hr/> Birgitta Bernhardt TU Graz Insane resolution absorption spectroscopy <hr/> Markus Aichhorn / Enrico Arrigoni / Hans Gerd Everz The TU Graz activities on DFT & carrier correlations <hr/> Kazuhiro Yabana Tsukuba The Tsukuba activities on carrier dynamics <hr/> Peter Elliott MBI The Berlin activities on Spin dynamics <hr/> Das Pemmaraju SLAC The Stanford activities on XUV transitions	Discussion: - Tracking relaxation dynamics? - band-structure & orientation dependencies - Spin-sensitivity via XMCD?	Discussion: - Real-space & real-time resolved carrier motion <hr/> Wolfram Helml TU Dortmund The Dortmund activities on FEL experiments - time resolved spectroscopy at FEL's
	N.N. TU Wien The Vienna activities on carrier dynamics, <hr/> Peter Puschnig KFU The KFU Graz activities on band-structures <hr/> Vladislav Yakovlev MPQ The Garching activities on attosecond metrology <hr/> Shunsuke Sato MPSD The Hamburg activities on XUV transitions <hr/> Yasushi Shinohara U Tokyo Tokyo activities on HHG in solids	Brainstorming: - Coherence	Brainstorming: Future common projects and tasks for experiment and theory
19:30	Dinner @ Häuserl im Wald		