



Invited speakers:

Wolfgang Eberhardt
 Gerhard Grübel
 Hans Hertz
 Ferenc Krausz
 Christian Rischel
 Roland Sauerbrey
 Jochen R. Schneider
 Robert W. Schoenlein
 Craig W. Siders
 Michael Wulff

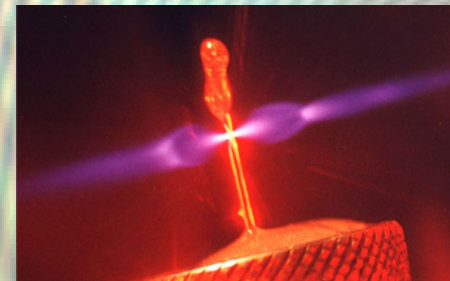
BESSY II
 ESRF, Grenoble
 Roy.Inst.Tech., Stockholm
 TU Wien
 Niels Bohr Institut, Kopenhagen
 TU Jena
 DESY – HASYLAB
 ALS, Berkeley, CA
 University of Florida, FL
 ESRF, Grenoble



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Future Trends in Time-Resolved and Coherent X-Ray Physics

International Symposium
 February 21, 2002
 Max-Planck-Institut für Metallforschung, Stuttgart



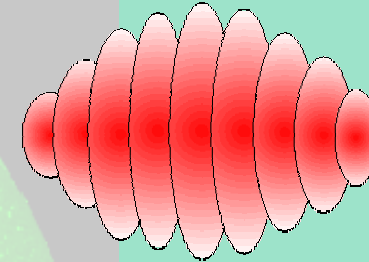
courtesy: F.Krausz, Wien

In the last years new coherent and short-pulse X-ray sources have emerged with unprecedented opportunities in condensed matter research, chemistry and biology.

The target of this workshop is to bring together international experts to discuss the future scientific perspectives associated with these new tools.

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Program

8:30-9:00	Ferenc Krausz (TU Wien)	Attosecond X-ray pulses for time-resolved atomic physics
9:15-9:45	Jochen R. Schneider (DESY)	XFEL at DESY: Properties and Perspectives
<i>Coffee Break</i>		
10:30-11:00	Gerhard Grübel (ESRF)	Future Trends in Diffraction with Coherent X-Rays
11:15-11:45	Hans M. Hertz (KTH Stockholm)	Table-Top X-Ray systems: Sources, Optics and Applications
12:00-12:30	Craig W. Siders (Univ. Florida)	Time-Resolved X-ray Diffraction Studies of Melting
<i>Lunch</i>		
14:00-14:30	Wolfgang Eberhardt (BESSY II)	Coherence in the Soft X-Ray-Range: Magnetic Systems, Nanostructures and Polymers
14:45-15:15	Michael Wulff (ESRF)	Time-Resolved X-Ray Studies of Biological Molecules
<i>Coffee Break</i>		
16:00-16:30	Roland Sauerbrey (TU Jena)	Physics with Ultrashort X-Ray Pulses: Present and Future
16:45-17:15	Christian Rischel (Niels Bohr Inst.)	Femtosecond X-Ray Crystallography
17:30-18:00	R.W.Schoenlein (ALS)	Time-Resolved X-ray Studies at ALS

Dinner

Symposium Location

Max-Planck-Institut für Metallforschung
Heisenbergstr. 1
D-70569 Stuttgart
Lecture Hall 2D10

Application/Registration

deadline: 5.2.2002
Iris Wittmann (Prof. Dosch)

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