

HZB user meeting's satellite workshop:

X-Ray View of Ultrafast Dynamics in

Solids

Venue: 29/30 November 2011, BESSY II – Hörsaal, Albert-Einstein-Str.15
Wilhelm-Conrad-Röntgen Campus Adlershof, 12489 Berlin,
Germany

Topics: Ultrafast magnetism, ultrafast dynamics in correlated systems
Ultrafast X-ray sources

Organizers: Alexander Föhlisch and Karsten Holldack

Secretariat: Ines Maupetit*

Purpose:

Within the past few years our user community has performed significant scientific breakthroughs in the field of ultrafast x-ray science mainly studying ultrafast magnetism. After recent upgrades of our slicing source, a new class of experiments using tunable optical excitation in optical pump-X-ray probe experiments will be feasible. The principal purpose of this workshop is to reflect on these achievements and to pull together, in one meeting, major researchers in the field of ultrafast x-ray applications in solids who work with sources of ultrashort x-ray pulses. This will permit a dialogue on science opportunities with slicing, FEL and even table top sources mainly in the field of ultrafast magnetism and dynamics in correlated materials. Goal of the discussion is to explore the complementarity of different sources and to discuss future upgrades of sources of ultrashort X-ray pulses.

Confirmed invited speakers:

U. Bovensiepen (Univ. Duisburg/Essen)
Ch. Boeglin (Strasbourg, France)
I. Radu (Nijmegen, The Netherlands)
T. Kampfrath (FHI, Berlin)
U. Staub (PSI, Switzerland)
S. Khan (Univ. Dortmund)
N. Pontius (HZB, Berlin)
Y. Acremann (ETH, Zürich)
A. Cavalleri (CFEL, Hamburg)
Wei-Sheng Lee (SLAC, Stanford)
M. Aeschlimann (Univ. Kaiserslautern)