

DESY PHOTON SCIENCE USERS' MEETING.



January 24-25, 2013 in Hamburg

DESY Auditorium (Bldg. 5)

Wednesday January 23 **European XFEL Users' Meeting (9.30-18.00 DESY Auditorium)**

Thursday January 24 **Soft X-ray FEL / FLASH experiments**
Jointly organised with European XFEL

Status of FLASH and new experiments

Chairperson: J. Feldhaus

E. Weckert (DESY, Hamburg)
M. Altarelli (European XFEL,
Hamburg)
S. Schreiber (DESY, Hamburg)
N. Stojanovic (DESY, Hamburg)

T.E. Glover (LBNL Berkeley, USA)

9.00 - 9.10 Welcome

9.10 - 9.40 Status FLASH and FLASH II
9.40 - 10.00 Coherent THz Radiation from 4th Generation X-ray
Light sources: THz beamline at FLASH

10.00 - 10.30 X-ray and optical wave mixing

10.30 - 11.00 **Coffee break**

Using intense FEL radiation for experiments

Chairperson: S. Molodtsov

A. Cavalieri (CFEL/DESY, Hamburg)
D. Rolles (CFEL/MPG, Hamburg)

J. Crespo (MPI Heidelberg)

M. Krikunova (TU Berlin)

11.00 - 11.30 Ultrafast X-ray pulse characterization for FELs
11.30 - 12.00 Ultra-efficient ionization of heavy atoms by intense
X-ray free-electron laser pulses

12.00 - 12.30 X-ray laser determination of oscillator strengths in highly
charged ions

12.30 - 13.00 Strong-field ionization of molecular iodine traced with
XUV pulses from a free-electron laser

13.00 - 14.00 **Lunch break**

14.00-18.00 **Satellite meetings.**

19.00 **Dinner for speakers and participants** (in the DESY canteen annex, Bldg. 9)

Friday January 25 **DESY Photon Science Users' Meeting.**

Chairperson: G. Grübel

H. Dosch (DESY Hamburg)
E. Weckert (DESY Hamburg)
C. Schüßler-Langeheine (Univ. Köln,
HZB)

9.00 - 9.10 Welcome to DESY
9.10 - 10.00 Photon science at DESY
10.00 - 10.30 Superconductivity under cover

10.30 - 11.00 **Coffee break**

Chairperson: A. Stierle

M. Müller (FZ Jülich)
T. Salditt (Univ. Göttingen)

11.00 - 11.30 Designing magnetic functionality in oxide hybrids
11.30 - 12.00 10 nm beam confinement by X-ray waveguides: optics and
holography experiments

12.00 - 12.15 Report of the Users Committee (HUC)

P. Müller-Buschbaum (HUC Chair,
TU München)

12.15 - 13.15 **Lunch break**

Chairperson: T. Schneider

H. Tidow (Aarhus Univ., Denmark)
W. Wurth (KFS Chair, Univ.
Hamburg)

13.15 - 13.45 A bimodular mechanism of calcium control in eukaryotes
13.45 - 14.00 Bericht des Komitees für Forschung mit
Synchrotronstrahlung (KFS)

14.00 - 17.00 **POSTER SESSION and Vendor exhibition (CFEL Bldg. 99)**
Jointly organised with European XFEL