

# 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

9.00 - 9.10	Welcome	Chairperson: N.N. E. Weckert (DESY, Hamburg) M. Altarelli (European XFEL, Hamburg)
9.10 - 9.40	Status FLASH and FLASH II	S. Schreiber (DESY, Hamburg)
9.40 - 10.00	FLASH THZ beamline - <i>tentative title</i>	N. Stojanovic (DESY, Hamburg)
10.00 - 10.30	X- ray and optical wave mixing - <i>tentative title</i>	T.E. Glover (LBNL Berkeley, USA)
10.30 - 11.00	<b>Coffee break</b>	

## Using intense FEL radiation for experiments

11.00 - 11.30	Ultrafast X-ray pulse characterization for free electron-lasers	Chairperson: N.N. A. Cavalieri (CFEL/DESY, Hamburg)
11.30 - 12.00	Ultra-efficient ionization of heavy atoms by intense X-ray free-electron laser pulses - <i>tentative title</i>	D. Rolles (CFEL/MPG, Hamburg)
12.00 - 12.30	Highly charged ions: Diagnostic of hot astrophysical plasmas in traps - <i>tentative title</i>	J. Crespo (MPI Heidelberg)
12.30 - 13.00	Strong-field ionization of molecular iodine traced with XUV pulses from a free-electron laser	M. Krikunova (TU Berlin)
13.00 - 14.00	<b>Lunch break</b>	

## 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.**

9.00 - 9.10	Welcome to DESY	Chairperson: N.N. H. Dosch (DESY Hamburg)
9.10 - 10.00	Photon science at DESY	E. Weckert (DESY Hamburg)
10.00 - 10.30	Superconductivity under cover	C. Schüßler-Langeheine (Univ. Köln, HZB)
10.30 - 11.00	<b>Coffee break</b>	
11.00 - 11.30	Designing magnetic functionality in oxide hybrids	Chairperson: N.N. M. Müller (FZ Jülich)
11.30 - 12.00	10nm beam confinement by X-ray waveguides: optics and holography experiments	T. Salditt (Univ. Göttingen)
12.00 - 12.15	Report of the Users Committee (HUC)	P. Müller-Buschbaum (HUC Chair, TU München)
12.15 - 13.15	<b>Lunch break</b>	
13.15 - 13.45	A bimodular mechanism of calcium control in eukaryotes	Chairperson: N.N. H. Tidow (Aarhus Univ., Denmark)
13.45 - 14.00	Bericht des Komitees für Forschung mit Synchrotronstrahlung (KFS)	W. Wurth (KFS Chair, Univ. Hamburg)

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