

DESY PHOTON SCIENCE USERS' MEETING.



January 25-26, 2018 in Hamburg
DESY Auditorium (Bldg. 5)

DRAFT

Wednesday, January 24 **European XFEL Users' Meeting (DESY Auditorium)**

Thursday, January 25 **DESY Photon Science Users' Meeting - FLASH.**

Chairperson: R. Treusch (DESY)

9.00 - 9.05	Welcome	E. Weckert (DESY, Hamburg)
9.05 - 9.35	FLASH - today and tomorrow- status report and future plans	E. Plönjes-Palm (DESY, Hamburg)
9.35 - 10.00	Novel FEL lasing schemes with variable gap undulators	E. Schneidmiller, (DESY, Hamburg)
10.00 - 10.25	Concept for a time-compensating monochromator at FLASH2	L. Poletto (CNR-IFN, Padua)
10.25 - 11.00	Coffee break	

Soft X-ray FEL experiments

Jointly organised with European XFEL

Chairperson: S. Molodtsov (European XFEL)

11.00 - 11.30	Magnetic switching in granular FePt layers promoted by near-Field laser enhancement	E. Jal (UPMC Paris)
11.30 - 12.00	Quantum imaging with incoherently scattered light from a Free-Electron Laser	J. von Zanthier (FAU Erlangen-Nürnberg)
12.00 - 12.30	Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source	D. Rupp (MBI Berlin)
12.30 - 13.00	New routes to imaging the classical and quantum dynamics of finite systems	T. Fennel (University of Rostock)
13.00 - 13.10	ESUO Report	U. Pietsch, ESUO Chair (Uni. Siegen)
13.10 - 14.00	Lunch break	

14.00 - 19.00 Satellite meetings

(different locations)

19.00 Reception for speakers and participants (in the DESY canteen, Bldg. 9)

Friday, January 26 **DESY Photon Science Users' Meeting.**

Chairperson: G. Grübel (DESY)

9.00 - 9.10	Welcome	H. Dosch (DESY, Hamburg)
9.10 - 9.50	Photon science at DESY	E. Weckert (DESY, Hamburg)
9.50 - 10.20	PETRA III and future outlook - PETRA IV	C. Schroer (DESY/Univ. Hamburg)

10.20 - 10.50 Coffee break

Chairperson: M. Schnell (DESY/Univ. Kiel)

10.50 - 11.20	Diffusive dynamics during the high-to-low density transition in amorphous ice	F. Perakis (Stockholm University)
11.20 - 11.50	Field-free deterministic ultrafast creation of magnetic skyrmions by spin - orbit torques	B. Pfau (MBI Berlin)
11.50 - 12.20	Flow-assisted assembly of nanostructured protein microfibers	C. Lendel (KTH Stockholm)
12.20 - 12.50	Protein crystallography in living cells	L. Redecke (University Lübeck/DESY)
12.50 - 13.00	Report of the User Committee (DPS-UC)	P. Müller-Buschbaum, DPS-UC Chair (TU München)
13.00 - 13.10	Report of the 'Komitee Forschung mit SR' (KFS)	B. Murphy, KFS Chair (Univ. Kiel)

13.10 - 14.00 Lunch break

14.00 - 17.00 POSTER SESSION & (10-18h) Vendor exhibition
(“Kuppel Hamburg”, Bahrenfeld Trabrennbahn)

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