

# European XFEL Users' Meeting — Satellite meeting: Early science at the High Energy Density instrument and status of the HIBEF contributions



Tuesday, 23 January 2018 – Seminar Room E1.173  
Headquarters, European XFEL, Holzkoppel 4, 22869 Schenefeld

The aim of the workshop is to inform about how to apply for beam time at the HED instrument of the European XFEL and which equipment and operation parameters will be available for the start-up. Possibilities for early science will be discussed by XFEL staff and members of the HIBEF UC. A visit of the experimental hall is possible prior to the workshop.

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Tuesday, 23 January 2018			
10:00–12:00	<b>Start of registration</b> <b>Guided tours of experimental hall and the HED instrument</b> (the MID satellite workshop takes place in E1.173) <b>Meeting at DESY: Potential kJ laser at the HED instrument</b>		
12:00–13:20	<b>Lunch</b> (jointly with participants of the MID and HED satellite) In the foyer of European XFEL headquarters (XHQ)		
	<b>Early science at the High Energy Density instrument</b>	<i>Chair:</i> M. Nakatsutsumi	European XFEL
13:20	Welcome, Overview of HED instrument, Early Science in 2019	U. Zastrau	European XFEL
13:30	X-ray characterization for early science at HED (X-ray properties, harmonic rejection, focusing, monochromators, slits & monitors, timing tool, spectrometer)	Z. Konôpková	European XFEL
13:55	Experimental environment for early science (Interaction chambers; optical lasers, sample stage, x-ray detectors, high- and low resolution x-ray spectrometers)	M. Makita	European XFEL
14:20	Discussion / buffer		
14:30	Status report of BMBF Verbundforschung project: Split-and-Delay Line	S. Roling	WWU Münster
14:45	Status report of BMBF Verbundforschung project: Time resolved micro-diffraction of SHS reactions	B. Winkler	U Frankfurt/M.
15:00	Life as an European XFEL user (UPEX, proposal deadlines, PRP, funding, allocation periods)	S. Bertini	European XFEL User's office
15:30	Discussion / buffer		
15:45	<b>Coffee break (foyer)</b>		
	<b>Status of the HIBEF contributions</b>	<i>Chair: N.N.</i>	
16:15	Welcome	T. Cowan	HIBEF
16:25	Status of HIBEF instrumentation	C. Bächtz / T. Toncian	HIBEF
17:10	Phase contrast imaging and focusing schemes	A. Schropp	HIBEF
17:30	HIBEF experiments using x-ray polarimetry	H. P. Schlenvoigt	HIBEF
17:50	Discussion / buffer		
18:30	<b>Dinner Reception</b> In the foyer of European XFEL headquarters (XHQ)		
20:00	<b>HIBEF SAC-TAC meeting</b> (Scientific and technical advisory committees, closed session)	C. Bächtz T. Toncian	HIBEF