

DESY Photon Science - Open Lab Day 2015

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DESY Campus | 3 July 2015 | 9-15h

Update 30 June 2015

special opening hours	Time	Lab, beamline, workshop etc.	Location	Safety	Short description
	9-9:15h	Welcome to the Open Lab Day Edgar Weckert	PETRA III hall (build. 47c), visitor point, near the bridge		Short introduction
X	tours: 9:30-10:15 10:30-11 11-11:30	DESY NanoLab	Build. 3 "Helgoland"		UHV lab: chemical analysis by spectroscopy and sample growth X-ray lab: surface sensitive x-ray diffraction methods SEM Lab: scanning
X	~9.30 - 12:00h	Crystallographie Lab Manufacturing organ. Optoelektronik	X Hutch-DORIS / Build. 25b		Chemistry near the Beamlines from the idea of the trial to the non time related X-Ray experiment.
X	9-12h 13-15h	Crystal workshop	Building 25 b ground Floor, rooms 14, 15a, 16, 17, 18 and 19		Production of single crystal optical X-Ray Components
X	10-12h 14-15h	Chemistry lab	Build. 25f, 051 (FS - CXS)		Sample preparation and characterization. Specifically on nanoparticles and colloidal suspensions are synthesized.
		ChemRIXS / plasma Quelle	L Hutch-DORIS		
		Elektronik lab	Build. 25b, Rm 020A		The electronic group of the FS department develops new parts and supports
X	10-12h	Seeding FLASH pulse diagnostic lab	Build. 28h		"Seeding" strives to start the FEL process from an external laser pulse, producing a fully coherent FEL pulse that is characterized in the diagnostic lab.
		Beamlines in the FLASH experimental hall (28c)	FLASH 1 28c		FLASH beamlines and end stations (like CAMP@FLASH, a multi-purpose instrument for electron and ion spectroscopy, pump-probe, and imaging
X	10-13h	Controlled Molecule Imaging labs	CFEL Build. 99/EG.021		In our laboratory you will be able to see how a modern ultra-high-vacuum setup is built up and get to know various laser systems. Moreover we will explain how it is possible to force gaseous molecules to align in space and how to
		Large detector lab (plus X-ray lab)	CFEL building 99, ground floor		Electronics mounting lab for detectors
X	10-14h	Laser Labs at CFEL	CFEL - Entrance meeting point, Build. 99		Ultrafast Laser Labs in CFEL - Kärtner group
X	10-12h	Nozzle testing lab	CFEL Build. 99, lab 007		Fabrication and testing of nozzles that produce liquid micro-jets for XFEL experiments
X	10-12h	Bio labs	CFEL Build. 99,		Labs for biochemistry and crystal
X	10-12h	Computing infrastructures	CFEL build. 99, top floor		How to handle terabytes of X-ray diffraction data at high rates. Poster presentation and discussions
X	9-13h	Beamline P01 at PETRA III	build. 47d		
X	10-15h	Beamline P04 at PETRA III	build. 47c Max-von-laue-Halle Sektor 3		The soft-x-ray beamline P04 at PETRA III will be presented together with the incorporated beamline diagnostics as well as ifferent endstations (electron/ion spectrometers, photoemission setup,
		HZG - Imaging Beamline P05 and laboratory X-ray tomography	build. 47c , P05: Control Hutch - when empty Optics Hutch		The tomographic principle will be explained, the interplay between 3D X-ray tomography experiments at a lab source and at a synchrotron radiation
		HZG - High-Energy Materials Science Beamline P07	build. 47c . P07, Experimental Hutch 3 (big open door visible from freeway)		Big machines for materials processing in the X-ray beam will be shown and explained.
		EMBL BioSAXS Beamline P12,	build. 47c "Max von Laue" PETRA III Hall		P12 is an biological Small Angle X-ray Scattering beamline operated and run by EMBL
		EMBL MX Beamline P13,	build. 47c "Max von Laue" PETRA III Hall		P13 is one of two Macromolecular X-ray Crystallography beamlines operated and run by EMBL
		EMBL MX Beamline P14,	build. 47c "Max von Laue" PETRA III Hall		P14 is one of two Macromolecular X-ray Crystallography beamlines operated and run by EMBL on the PETRA III synchrotron.
		EMBL Sample Preparation and Characterisation Facilities,	Building 48e (EMBL/PETRA III hall), ground floor		The Sample Preparation and Characterisation Facility is located directly next to the EMBL Beamlines. The facility helps users analyse and optimise samples in preparation for structural studies, by coupling quality control with optimization to accompany
		Reinraum L032	Build. 47c "Max von Laue" PETRA III Hall		
		Chemieraum L033	Build. 47c "Max von Laue" PETRA III Hall		
X	9-12h	Biolab (Multipurpose safety level 2 cell culture laboratory)	Build. 47c/ R. L045 "Max von Laue" PETRA III Hall		Biology lab (S2) for red (animal cell culture), white (microbiology) and green (plants and algae) biology. Workspace for onsite preparat. and microscopy of biological agents (e.g. genetic. modified).
X	9-12h	P11 Biolab	Build. 47c/ R. L047 "Max von Laue" PETRA III Hall		The P11 Biolab is primarily specialized in monolayer cell culture and provides both, a high res. stereo microscope with micromanipulator and a fluorescence microscope.
X	9-12:30h	Undulator lab	Build. 36-Nord		Measurement and Tuning of magnetic fields in undulators
		Laser labs	electronics develoment lab in Bldg. 222		
X	9:30 - 12:30	ZM Workshops	Build.10 - ZM1 ZM2 (1st floor) ZMQS		Construction 'Arbeitsvorbereitung' Quality assurance (Qualitätssicherung)
X	Tours: 9:30 10:00 10:30 11:00 11:30	ZM Workshops	Build.10 - ZM3		Central workshop
X	9:30 - 12:30	ZM Workshops	Build. 34 - ZMAM ZMAE		Ausbildungswerkstatt Mechanik' 'Ausbildungswerkstatt Elektronik'
X	14h	TALK "The CheMin XRD on the Mars Science Laboratory Rover Curiosity" David Blake	CFEL building 99, SR I-III (Hamburg Photon Science		The mission of NASA's MSL rover Curiosity is to characterize ancient "habitable" environments on Mars.
X	open from 12:30 to 14:00h	Barbecue	between FLASH2 hall "Kai Siegbahn" and PETRA III hall (Wendeplatz)		