

**3 July 2015 | 9-15h**

special opening hours	Time	Lab, beamline, workshop etc.	Location	Safety	Short description
X	9-9:15h	Welcome to the Open Lab Day Edgar Weckert	PETRA III hall (build. 47c), visitor point, near the bridge		Short introduction
	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 electron microscope
	~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, R. 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 nanoparticles and colloidal suspensions are synthesized.
X	~9.30 - 12:00h	ChemRIXS / plasma Quelle	L Hutch-DORIS		
X		Elektronic lab	Build. 25b, Rm 020A		The electronic group develops new parts and supports colleagues & guests.
	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 and how it is possible to force gaseous molecules to align and how to confine them using laser light.
X		Large detector lab (plus X-ray lab )	CFEL building 99, ground floor		Electronics mounting lab for detectors
	10-14h	Laser Labs at CFEL	CFEL - Entrance meeting point, Build.		Ultrafast Laser Labs in CFEL - Kärtner group
	10-12h	Nozzle testing lab	CFEL Buidl. 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 characterisation
X	10-12h	Computing infrastructures	CFEL build. 99, top floor		How to handle terabytes of X-ray diffraction data at high rates.
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 & endstations (electron/ion spectrometers, photoemission setup, ion beamline)

		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 exp. at a lab source and at a synchrotron beamline will be demonstrated.
		HZG - High-Energy Materials Science Beamline P07	build. 47c . P07, Exp. 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		Located next to the EMBL Beamlines, the facility helps users analyse & optimise samples in preparat. for structural studies, by coupling quality control with optimizat. to accompany crystallis. trails and SAXS measurements.
		Reinraum L032	Build. 47c "Max von Laue" PETRA III Hall		
		Chemieraum L033	Build. 47c		
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. Curiosity's
X	open from 12:30 to 14:00h	Barbecue	between FLASH2 hall "Kai Siegbahn" and PETRA III hall (Wendeplatz)		

