

Science with FLASH: Recent Results and Future Perspectives

27.9-29.9.2010

Workshop jointly organized by DESY and FSP-FLASH

Monday	27.9.2010
	Welcome
14:00	Edgar Weckert
	Keynote talk
14:15	(45+15) R.J. Dwayne Miller (CFEL) "Making the Molecular Movie": First Frames
	Session I (Coherent Imaging)
15:15	(20+10) Anton Barty (CFEL) Ultrafast Imaging
15:45	Coffee break
	Session I continued
16:15	(20+10) Axel Rosenhahn (U Heidelberg) Coherent soft X-ray and VUV imaging of biological samples
16:45	(20+10) Adrian Mancuso (XFEL) Coherent Diffractive Imaging of Fixed Target Samples at FLASH
17:15	(20+10) Marcus Adolph (TU Berlin) Imaging ultrafast processes in clusters
18:00	Discussion Round (moderated by H. Chapman): Photon Diagnostics-Needs and Developments
19:00	Poster Session with food and drinks

Tuesday	28.9.2010
	Keynote talk
9:00	(45+15) Michel van Veenendaal (NIU, Argonne) Pump-probe x-ray spectroscopy in transition-metal complexes
	Session II (Ultrafast Science and Condensed Matter)
10:00	(20+10) Niko Pontius (HZB Berlin) Lattice versus charge: Femtosecond charge-lattice dynamics across the Verwey transition in magnetite untangled by ultrafast resonant soft x-ray diffraction
10:30	Coffee break
	Session II continued
11:00	(20+10) Christian Gutt (DESY) Ultrafast resonant magnetic scattering at FLASH
11:30	(20+10) Kai Rossnagel (U Kiel) Time-resolved solid-state photoemission at FLASH
12:00	(20+10) Martin Beye (HZB Berlin) The liquid-liquid phase transition in silicon revealed by snapshots of valence electrons
12:30	Lunch break
	Keynote talk
14:00	(45+15) Robin Santra (CFEL) Hole dynamics and coherence
	Session III (atoms, molecules and new instruments)
15:00	(20+10) Ulrike Fröhling (U Hamburg) Terahertz-field driven streak-camera: Single pulse time structure metrology for FLASH
15:30	Coffee break
	Session III continued
16:00	(20+10) Ivan Rajkovic (MPI Göttingen) First steps towards probing chemical reaction dynamics with free electron laser radiation
16:30	(20+10) Daniel Rolles (CFEL) Probing Molecular Dynamics with FELs
17:00	(20+10) Florian Sorgenfrei (U Hamburg) The XUV split-and-delay unit in the PG beamline: performance and first results
19:00	Dinner

Wednesday	29.9.2010
	Session IV (FLASH)
9:00	(20+10) Siegfried Schreiber (DESY) Machine performance after upgrade
9:30	(20+10) Jörg Rossbach (U Hamburg) sFLASH
10:00	(20+20+10) Rolf Treusch/Natalia Guerassimova (DESY) Beamline status/upgrades/perspectives
10:50	Coffee break
	Session V (FLASH II)
11:20	(20+10) Bart Faatz (DESY) The FLASH II Projekt: Overview and options for circular polarization
11:50	(20+10) Arik Willner (DESY) FLASH II –seeding
12:20	(20+10) Franz Tavella (Helmholtz Institut Jena) New optical lasers
12:50	Closing Remarks Wilfried Wurth
13:00	End of Workshop