

SATELLITE WORKSHOP - Photon Science



Pump probe laser at FLASH2: status, upgrades, future options

Thursday, 25 January 2018

Bldg. 28c, Seminar Room FLASH

In August 2018 the FLASH2 pump probe laser will become available for user experiments at FLASH2. The high repetition rate laser is based on OPCPA (optical parametric chirped pulse amplifier) technology and will be transported with dedicated beamlines to the end of FL24 and FL26. In this workshop we want to discuss the experiments enabled by this laser and which upgrades and modifications would be needed in the future. We want to collect all ideas from the user community to plan the further development of the FLASH2 pump probe laser.

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PROGRAMME

14:00	Session 1		
14:00	Welcome	B. Manschwetus	DESY
14:10	The FLASH 2 pump probe laser system	T. Lang	DESY
14:40	Design and setup of a permanent HHG beamline at FLASH 2	M. Kovacev	Leibniz Universität Hannover
15:00	IR-FEL pump-probe experiments with the REMI at FLASH 2	R. Moshhammer	MPI Heidelberg
15:30- 16:00	Coffee break (30 Min.)		
	Session 2		
16:00	Spectroscopy to study dynamics in and on solids	M. Beye	DESY
16:30	Tunability in the UV regime allow for novel ultrafast FLASH studies in soft condensed matter	S. Techert	DESY
17:00	Pump pulse considerations for the investigation of magnetization dynamics	J. Lüning	UPMC
17:30- 18:00	Coffee break (30 Min.) / or End of the workshop		
	Session 3		
18:00	Dynamics in gas-phase biomolecules	S. Bari	DESY
18:15	Time-resolved photoelectron spectroscopy at FLASH	G. Mercurio	Universität Hamburg
18:30	Probing UV-induced Photochemistry with Ion Imaging at FLASH	R. Boll	European XFEL
18:45	Discussion and Close-Out	B. Manschwetus	DESY
19:00 (or earlier)	End of the workshop		