

4th Satellite Workshop on Photon Beam Diagnostics

28 January 2016, DESY auditorium (building 05 on DESY campus)

Organizer: Jan Grünert (European XFEL)

The Satellite Workshop on Photon Beam Diagnostics is organized as part of the European XFEL Users' Meeting, like in previous years. The target of this Workshop is to bring together the experts in FEL Photon Diagnostics, to strengthen existing collaborations and create new ones, to share the latest progress but also to discuss new experimental methods and instrumentation suited as FEL photon beam diagnostics. Last but not least, progress in this field at the European XFEL facility is presented, and there will be sufficient time for discussions. This time the discussions will particularly revolve around the topic of commissioning which is approaching in 2016 for several XFEL facilities currently under construction.

Programme

Thursday, 28 January 2016

13:45	Coffee		
14:00	Welcome and short status update about the European XFEL photon diagnostics	Jan Grünert	European XFEL, Hamburg
14:15	High Resolution hard X-ray single shot spectrometer (HIREX) for Photon Diagnostics	Naresh Kujala	European XFEL, Hamburg
14:40	Novel ultra-fast parallel X-ray spectrometers and monochromators	Alexander Firsov	HZB, Berlin
15:05	MCP detectors of European XFEL	Eugeniy Syresin	JINR, Dubna, Russia
15:30	Monitoring the wave front by means of single 2D phase grating: Towards single shot wavefront sensing	Patrik Vagovic	CFEL, European XFEL, Hamburg
15:55	Coffee Break		
16:15	Molecular polarimetry: a mean to determine the complete polarization state of the ionizing light (Stokes parameters s_1 , s_2 , s_3) in the VUV-soft Xray range, based on molecular frame photoemission	Danielle Dowek	Institut des Sciences Moléculaires d'Orsay (ISMO), France
16:40	A new compact Design of a three-dimensional Ionization Profile Monitor	Heiko Breede	DESY-Zeuthen
17:05	Effect of pulse duration and partial temporal coherence in the characterization of ASE XUV sources generated from plasmas	Annie Klisnick	ISMO, CNRS, Université Paris-Sud, France
17:30	Pulse duration measurement of FERMI FEL	Flavio Capotondi	FERMI@elettra, Trieste, Italy
18:00	Discussion / Summary		
18:30	Closeout / Adjourn		

Registration at www.xfel.eu/events/users_meetings/2016_users_meeting/