



European XFEL User Meeting 2013: Satellite Workshop on Photon Beam Diagnostics

AGENDA

ORGANIZERS	Jan Grünert, European XFEL Marco Zangrando, FERMI@elettra	DATE	24 January 2013
LOCATION	Albert-Einstein-Ring 19, Hamburg Room 3.11 (3rd floor seminar room)	TIME	14:30

The X-ray photon diagnostics group at European XFEL will provide online as well as intrusive monitoring of the X-ray beam to the electron machine and to the users at the experimental endstations. In this satellite workshop we welcome diagnostics experts to share recent advances in X-ray diagnostics methods, provide a forum for discussion on state-of-the art instrumentation and to stimulate collaborations. We encourage the speakers to leave sufficient time for questions and discussion. We intend to focus in this workshop on practical implementation of diagnostics methods, in particular taking into account the special characteristics of the European XFEL.

14:30	Welcome and Introduction	Jan Grünert	XFEL.EU
Session 1 – Chairman Jan Grünert			
14:35	Plans for Photon Diagnostics at SwissFEL	Pavle Juranic	PSI
15:00	Photon diagnostics for high power CW FEL beams at the future NGLS facility in Berkeley	Tony Warwick	LBNL
15:25	Laser-based THz streaking in practice	Adrian Cavalieri	CFEL
15:50	Diamond detectors for diagnostics: prototype tests	Wolfgang Freund	XFEL.EU
16:15	Coffee break		
Session 2 – Chairman Marco Zangrando			
16:30	K-monochromator for photon diagnostics: simulation and first test results	Jens Rehanek	HZB
16:55	Diffraction x-ray optics for photon beam diagnostics at hard X-ray Free-Electron Lasers	Christian David	PSI
17:20	K-B active optics system optimization through wavefront sensor measurements at Fermi@Elettra FEL	Lorenzo Raimondi	FERMI@Elettra
17:45	Photon Diagnostics for Day-to-Day Operation	Bart Faatz	DESY
18:10	Open discussion on collaborative diagnostics efforts	all participants	
18:30	Summary and conclusion	Marco Zangrando	FERMI@Elettra