

Date	Session	ID#	Author/Chair	Title	Time CET
26.10.2020					26.10.2020-28.10.2020
Poster Session					
Facilities Overview I			Pavle Juranić		09:00-10:20
		63	Gabriel Aeppli	Welcome	09:00-09:20
		59	Shigeki Owada	Recent status of laser synchronization system at SACLA	09:20-09:40
		35	Intae Eom	Photon diagnostics status at PAL-XFEL	09:40-10:00
		69	Christopher Arrell	Photon diagnostic developments at the Athos and Aramis beamlines of SwissFEL	10:00-10:20
Coffee break					10:20-10:40
Temporal Diagnostics I			Christian Erny		10:40-11:50
		76	Yunpei Deng	Nonlinear optics for timing diagnosis at SwissFEL	10:40-11:10
		37	Rosen Ivanov	Single-shot temporal characterization of SASE XUV pulses at FLASH FEL	11:10-11:30
		70	Michael Gensch	New concept for THz based X-ray pulse tomography	11:30-11:50
Lunch break					11:50-13:30
Temporal Diagnostics II			Christian Erny		13:30-14:30
		38	Jia Liu	MHz repetition rate Photon Arrival Time Monitor at the European XFEL	13:30-13:50
		67	Alexander Malyzhenkov	Post-undulator time-resolved diagnostics of electron and photon beams at SwissFEL with a passive structure.	13:50-14:10
		30	Vladimir Lipp	Measurement of transient optical phase as a diagnostics technique for XUV pump – optical probe experiments	14:10-14:30
Coffee break					14:30-14:50
Facilities Overview II			Pavle Juranić		14:50-15:50
		68	Kai Tiedtke	FLASH2020+: Photon diagnostics and beam transport	14:50-15:10
		15	Marco Zangrando	Present status, achievements, and future developments at FERMI: photon transport and diagnostics from current operations to prospective low-wavelengths upgrade	15:10-15:30
		14	Jan Grünert	Status of the EuXFEL photon diagnostics	15:30-15:50
		83	David Fritz	Status of LCLS and Future Developments	15:50-16:10
FELs of Europe Prize Talk					16:10-16:40
27.10.2020					
New developments in photon diagnostics and optics I			Benedikt Roesner		09:00-10:10
		56	Ichiro Inoue	Spatiotemporal diagnostics of XFEL pulses via intensity correlation techniques	09:00-09:30
		72	Takahiro Tanaka	Newly designed radiometer for synchrotron radiation and free-electron laser in high power range	09:30-09:50
		73	Florian Döring	Multi-Focus Off-Axis Zone Plates for Experiments at X-Ray Free Electron Lasers	09:50-10:10
Coffee break					10:10-10:30
Spectral measurements			Joan Vila-Comamala		10:30-12:00
		31	Christian Ott	Resolving spectro-temporal dynamics with all-XUV-optical FEL transient absorption spectroscopy	10:30-11:00
		71	Yunieski Arbelo Pena	High-Resolution Pulse-to-Pulse Spectral Monitoring for SwissFEL	11:00-11:20
		28	Alexei Erko	Flat field soft X-ray spectrometer based on reflection zone plates	11:20-11:40
Lunch break					11:40-13:30
Coherence, profile, and position measurements			Rasmus Ischebeck		13:30-14:40
		57	Michele Manfredda	FEL beam diagnostics and source metrology	13:30-14:00
		16	Sven Reiche	Autocorrelation measurement of the FEL coherence and pulse length using a magnetic delaying chicane in the undulator beamline	14:00-14:20
		49	Jen Bohon	Towards Pulse-by-pulse XFEL Beam Measurement	14:20-14:40
Coffee break					14:40-15:00
New detectors for photon diagnostics			Aldo Mozzanica		15:00-16:10
		77	Job Beckers	New Detectors for Photon Diagnostics	15:00-15:30
		48	Stefan Droste	High-sensitivity Femtosecond X-ray Optical Cross-Correlator for Next Generation Free-Electron Lasers	15:30-15:50
		13	Tim van Driel	The new ePix10k megapixel hard x-ray area detector at the LCLS	15:50-16:10
Coffee break					16:10-16:30
New developments in photon diagnostics and optics II			Benedikt Roesner		16:30-17:10
		39	Christoph Braig	Diffraction wavefront correction for nearly diffraction-limited soft X-ray spectroscopy	16:30-16:50
		60	Haoyuan Li	Design of an amplitude-splitting hard x-ray delay line with sub-nanoradian stability	16:50-17:10
28.10.2020					
Photon Diagnostics at synchrotrons			Volker Schlott		10:30-11:40
		51	Chris Bloomer	The use of online photon beam position measurements to improve synchrotron performance	10:30-11:00
		33	Claire Houghton	Modelling the effects of optical vibrations on photon beam parameters using ray-tracing software	11:00-11:20
Lunch break					11:30-14:30
Photon diagnostics requirements for new experimental methods			Gregor Knopp		14:30-15:40
		53	Nikola Stojanovic	Probing THz driven solids by second harmonic generation	14:30-14:50
		23	Siqi Li	Characterizing isolated attosecond pulses with angular streaking	14:50-15:20
		36	Peter Walter	Multi Resolution Cookiebox Optimized for Future Free Electron Laser Experiments - MRCOFFEE	15:20-15:40
Coffee break					15:40-16:00
Scientific computing, machine learning and large data management			Derek Feichtinger		16:00-17:10
		26	Alexander Scheinker	Adaptive Feedback and Machine Learning for Tuning Complex and Time Varying Systems	16:00-16:30
		52	Konstantin Kharitonov	Application of automatic differentiation based ptychography for single-shot SASE FEL beams characterization	16:30-16:50
		21	Mei-Chih Chang	Developing Real-time Services for Large Volume Experiment-Data Analysis utilizing Supercomputing and Cloud technologies at CSCS (SELVEDAS)	16:50-17:10
29.10.2020 SATELLITE WORKSHOPS					
Absolute single-shot pulse energy measurements			Theophilos Maltezopoulos		10:00-12:00
Pulse length measurements			Pavle Juranić		13:00-16:00
Wavefront characterization and correction			Mark Roper		14:00-17:00
Soft x-ray online photon diagnostics			Andre Al-Haddad		16:00-18:00

Poster Session

ID	Name	Author
62	A diagnostic spectrometer for the CLARA Test Facility FEL at Daresbury Laboratory	Mark Roper
18	Characterization of the Photo-Electron Spectrometer for soft X-ray photon diagnostics at the European XFEL	Joakim Laksman
61	Realizing accurate and on-the-fly contrast determination for x-ray speckle visibility spectroscopy	Yanwen Sun
45	Generation of photoelectrons in water medium by a SASE X-ray pulse	Wojciech Blachucki
43	Influence of the stochastic SASE pulses' time structure on photoionization yields via nonlinear processes	Krzysztof Tyrała
66	PolFEL design.VUV beamline.	Karolina Szamota-Leandersson
34	Effect of Auger recombination on transient optical properties in XUV and soft X-ray irradiated silicon nitride	Victor Tkachenko
44	THz diagnostics development for FLASH2020+	Rui Pan
42	Gas Monitor Detectors at Soft X-ray Beamline of PAL-XFEL	Sunmin Hwang
40	Mechanical Design of Gas Based Detector	Seonghan Kim
20	Pulse-energy damage-thresholds of scintillating screens at the European XFEL diagnostics	Andreas Koch
19	Ultrafast switch in two dimensional materials	Hamed Koochaki Kalardeh
17	X-ray Gas Monitor diagnostics at European XFEL operated under special bunch patterns	Theophilos Maltezopoulos
75	IŞ_0Ş monitor for x-ray free-electron laser pulses in the nJ regime	Steffen Palutke
74	Thin Silicon Carbide X-ray Beam Position Monitors for Beam Diagnostic and Stabilization	Mar Carulla
54	Characterization of graphitic wire electrodes within a CVD diamond X-ray pixel detector	Chris Bloomer
41	Beam Intensity and Position Monitoring at the Hard X-ray PAL-XFEL	HyoJung Hyun
29	Correlation of wavefront modeling and caustic measurements for focusing beamlines at FLASH	Mabel Ruiz Lopez
22	Wavefront Sensing and Optics Characterisation at EUV regime with the Fourier Demodulation Technique	Masoud Mehrjoo

status: 21.10.2020