

Scheduled Experiments – Cycle 201901

July 2019 – November 2019

No.	Title	Main Proposer / Principal Investigator	Instrument
2392	Utilizing femtosecond X-ray tools for investigation of noble-metal free dyads with Fell photocatalysts	M. Bauer	FXE SASE1
2383	Intra- and intermolecular electronic and structural dynamics of solvated molecules by a combination of fs-XES and anisotropic fs-XRS	C. Bacellar Cases da Silveira / M. Chergui	FXE SASE1
2359	Investigating the onset of photoinduced polaron formation in lead-free halide nanoparticles using femtosecond X-ray scattering and spectroscopy	S. Canton	FXE SASE1
2269	Ultrafast probing of the atomic structure of supercooled liquid metals	R. Sobierajski / J. Antonowicz	FXE SASE1
2210	Revealing a potential fragile to strong transition in deeply supercooled water using anisotropic scattering under Optical Kerr Effect condition	K. H. Kim / A. Nilsson	FXE SASE1
2189	Single-shot visualization of the multi-centre ultrafast response in photoexcited spinel Co ₃ O ₄ by femtosecond non-resonant XES and diffraction	G. F. Mancini / M. Chergui	FXE SASE1
2353	A Spectroscopic Study of Solid-density HED Plasmas Isochorically Heated by Nano-focused FEL X-rays	H. J. Lee	HED SASE2
2293	Bright and Dark Field X-ray Microscopy	L. E. Dresselhaus-Cooper	HED SASE2
2292	Femtosecond Hard X-ray Studies at High Static Pressure	R. S. McWilliams	HED SASE2
2151	Advanced Hard X-ray Focus Characterization	M. Makita	HED SASE2
2544	Cavitation Dynamics Studied by Time-Resolved High-Resolution X-Ray Holography (re-scheduled from 2207, Cycle 201802)	J. Hagemann / T. Salditt	MID SASE2
2543	Non-linear Compton scattering at extreme intensities (re-scheduled from 2200, Cycle 201802)	S. Bajt	MID SASE2
2542	Probing the local structural features in supercooled atomic liquids during the liquid-to-solid phase transition (re-scheduled from 2272, Cycle 201802)	R. Grisenti	MID SASE2
2355	Domain Fluctuations in LSCO thin films	I. Robinson	MID SASE2
2336	Exploring the microscopic dynamics of deeply undercooled metallic liquids and glasses.	F. Caporaletti / G. Monaco	MID SASE2
2330	Inter- and intra-pulse train wavefront characterization using ptychography	B. J. Daurer / P. Thibault	MID SASE2
2263	Observation of a traveling soliton lattice in sliding charge density wave systems	E. Bellec / A. Sinchenko	MID SASE2
2384	Separating spin and orbital magnetic dynamics via x-ray absorption lines	N. Thielemann-Kühn / C. Schuessler-Langeheine	SCS SASE3

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2313	Ultrafast dynamics of helicity-dependent all-optical magnetization switching in ultrathin cobalt films	I. I. Pronin	SCS SASE3
2280	Exploring the non-equilibrium pathways for energy and angular momentum transfer in FePt nanoparticles	H. A. Dürr	SCS SASE3
2225	Exploring Ultrafast Transient Ferromagnetism in a Laser-driven First-order Phase Transition	R. E. Carley	SCS SASE3
2212	Open Community Proposal: Time resolved magnetic Small Angle X-ray Scattering to follow the multi-pulse helicity dependent switching in CoTb thin films	E. Jal	SCS SASE3
2161	Open community proposal on femtosecond time-resolved soft x-ray absorption spectroscopy of magnetically ordered transition metals and oxides	A. Eschenlohr	SCS SASE3
2480	Structural dynamics and mechanism of chloride transport. (re-scheduled from 2172, Cycle 201802)	P. Nogly	SPB/SFX SASE1
2326	Movie sequences of the water splitting process in Photosystem II by serial fs crystallography with the XFEL pulse-train structure	P. Fromme	SPB/SFX SASE1
2316	Nanofocus Flash X-ray Imaging of Ribosomes	F. Maia	SPB/SFX SASE1
2304	Femtosecond fluctuation powder diffraction of protein crystallisation	A. V. Martin	SPB/SFX SASE1
2376	Insights into the photo-activation mechanism of OCP by time-resolved serial femtosecond crystallography.	J.-P. Colletier	SPB/SFX SASE1
2545	Nanocrystal data collection, possible limitations by XFEL-induced shockwaves (re-scheduled from 2156, Cycle 201802)	I. Schlichting	SPB/SFX SASE1
2388	Charge transfer and photofragmentation in hydrogen bonded pyrrole-water clusters upon site-specific x-ray photoionization	S. Trippel	SQS SASE3
2370	Element specific diffractive imaging of bimetallic nanoparticles	B. v. Issendorff	SQS SASE3
2322	Single-Particle Diffractive Imaging of 3D DNA-Origami Molecular Scaffolds	L. X. Paulraj / H. Chapman	SQS SASE3
2318	Simultaneous Absorption of Two-Photons: Nonlinear Response of Molecules	N. Berrah	SQS SASE3
2310	Wavelength-dependence of soft X-ray photoionization	R. Boll / S.-K. Son	SQS SASE3
2301	Neutral metastable atom detection as a means to study nonlinear X-ray photon processes	U. Eichmann	SQS SASE3
2146	Flash X-ray Imaging of Single Proteins	F. Maia	SQS SASE3