Scheduled experiments - Cycle 202001

February to June 2020

No.	Title	Main Proposer / Principal Investigator	Instrument
2383 (re-scheduled from run 4)	Intra- and intermolecular electronic and structural dynamics of solvated molecules by a combination of fs-XES and anisotropic fs-XRS	Camila Bacellar Cases da Silveira / Majed Chergui	FXE SASE1
2465	Femtosecond time-resolved X-ray Emission Studies of the Structural and Electronic Dynamics in Coenzyme B12 and its Analogs	James E Penner-Hahn	FXE SASE1
2474	Revealing the photoactive charge-transfer states in Nickel (II) aryl halide complexes with femtosecond hard X-rays	Sophie E Canton / Abigail G Doyle	FXE SASE1
2478	Photophysics of the highly NIR luminescent molecular ruby revealed by ultrafast measurements at the XFEL	Matthias Bauer	FXE SASE1
2573 (UAC 2359 from run 4)	Investigating the onset of photoinduced polaron formation in lead-free halide nanoparticles using femtosecond X-ray scattering and spectroscopy	Sophie E Canton	FXE SASE1
2452	Hard X-ray imaging polarimeter	Hans-Peter Schlenvoigt	HED SASE2
2517	Characterizing the Ionization Potential Depression in Dense Carbon Plasmas with High-Precision Spectrally Resolved X-ray Scattering	Dominik Kraus	HED SASE2
2575 (2151 rescheduled from run 4)	Advanced Hard X-ray Focus Characterization	Mikako Makita	HED SASE2
2576 (2353 rescheduled from run 4)	A Spectroscopic Study of Solid-density HED Plasmas Isochorically Heated by Nano-focused FEL X-rays	Hae Ja Lee	HED SASE2
2458	Probing non-equilibrium dynamics of proteins in solution with MHz-XPCS	Foivos Perakis / Fajun Zhang	MID SASE2
2487	Investigation of the coherence of X-ray fluorescence	Henry Chapman	MID SASE2
2534	Hard X-ray Induced Demagnetization in Ferrimagnetic DyCo Alloy Thin Films	Leonard Müller / Gerhard Grübel	MID SASE2
2574 (2355 re-scheduled from run 4)	Domain Fluctuations in LSCO thin films	Ian Robinson	MID SASE2
2490	Cavitation Dynamics Studied by Time-Resolved High-Resolution X-Ray Holography: Optical Breakdown, Plasma Generation, Bubble Nucleation and Bubble-Wall Interaction	Johannes Hagemann / Tim Salditt	MID SASE2
2443	Photo-induced low-spin to high-spin transition in bulk spin-crossover complexes at room temperature: Hot electron-induced vs. heat and strain induced dynamics	Andrea Eschenlohr	SCS SASE3
2471	Magnetic domain structure dilation and contraction induced by ultrafast optical pumping in CoFe/NiCu multilayers	Thomas Silva	SCS SASE3
2497	Nonequilibrium Electron-Hole Dynamics of Highly Photoexcited Material	Byoung-ick Cho	SCS SASE3
2511	Ultrafast photo-magnetic sublattice dynamics in Co-doped Fe garnets	Urs Staub	SCS SASE3
2530	X-ray holography of ultrafast magnetism: femtosecond movies at the nanoscale	Stefano Bonetti	SCS SASE3
2540	Resolving the chiral fluctuation dynamics leading to all-optical topological switching by time-resolved small-angle scattering and single-shot time-resolved imaging	Bastian Pfau / Felix Büttner	SCS SASE3
2324	Time-resolved serial femtosecond crystallography studies of the mechanism of oxygen reduction by cytochrome c oxidase.	Richard Neutze	SPB/SFX SASE1

2439	Perovskite Quantum Dot Lattice Dynamics	Kartik Ayyer / Holger T Lange	SPB/SFX SASE1
2442	Structural Biology of Bacterial Insecticides using SFX	Dominik Oberthür / Colin Berry	SPB/SFX SASE1
2450	Time-Resolved Enzymology to Capture a Full Catalytic Series	Marius Schmidt	SPB/SFX SASE1
2467	The XFEL pulse-train structure enables time-resolved serial fs crystallography of the water splitting process in Photosystem II	Petra Fromme	SPB/SFX SASE1
2448	Coulomb explosion imaging of ultrafast ring-conversion reactions	Rebecca Boll / Artem Rudenko	SQS SASE3
2466	Non-Linear Light-Matter Interaction Correlated to the SASE Time-Energy Structure	Wolfram Helml / Markus Ilchen	SQS SASE3
2470	Imaging highly charged superfluid He nanodroplets	Andrey Vilesov	SQS SASE3
2499	X-ray transient absorption from the weak- to strong-field regime	Linda Young	SQS SASE3
2535	Time-resolved photoelectron diffraction imaging of fixed-in-space formamide molecules	Till Jahnke	SQS SASE3