

S/ N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Shift
1	2024A8001	Visualizing conformational dynamics driving thermally activated delayed fluorescence	Tetsuo Katayama	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
2	2024A8002	On the polarization state of stimulated emitted x-rays	Toshiya Inami	National Institutes for Quantum Science and Technology	Japan	SACLA General Proposal (Non-proprietary)	BL2	5
3	2024A8004	In-situ observation of supersonic dislocations	Kento Katagiri	Stanford University	USA	SACLA General Proposal (Non-proprietary)	BL3	4
4	2024A8006	Ultrafast dimensionality control of charge density waves in EuTe4	Nuh Gedik	Massachusetts Institute of Technology	USA	SACLA General Proposal (Non-proprietary)	BL3	5
5	2024A8007	Ultrafast cooling of shock-melted nanolamellae eutectic high-entropy alloys	Leora Dresselhaus-Marais	Stanford University	USA	SACLA General Proposal (Non-proprietary)	BL3	4
6	2024A8009 1)	Study of the plasmon enabled dynamics on Au@TiO2 nanoparticles for NH3 artificial photosynthesis	Feng Wang	University College London	UK	SACLA General Proposal (Non-proprietary)	BL3	5
7	2024A8010	Single shot XFEL powder diffraction study at 100 Tesla using PINK-02 and XFEL: Uncovering the novel crystal structure of the θ phase of solid oxygen at 100 Tesla	Akihiko Ikeda	The University of Electro-Communications	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
8	2024A8012	Rapid structure determination system for drug-target proteins using the X-ray free electron laser	So Iwata	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL2	3
9	2024A8013	Generation and characterization of ultra-mesoscopic high-energy density plasmas	Keisuke Shigemori	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL2	9
10	2024A8014	Development of wavelength-scale focusing system for soft x-ray free-electron laser pulses	Hiroto Motoyama	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
11	2024A8015	XFEL-induced ultrafast magnetization dynamics in GdFeCo ferrimagnet using self-seeded XFEL and shot-by-shot helicity switching method	Motohiro Suzuki	Kwasei Gakuin University	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
12	2024A8016	Investigating structural changes in organic molecules composed solely of light atoms using time-resolved x-ray scattering: Ultrafast photo-tautomerization of phenol blue in solution	Youngmin Kim	High Energy Accelerator Research Organization	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
13	2024A8017	Terahertz control of anisotropic charge-ordering in an electronic-ferroelectrics RFe2O4	Hirofuke Itoh	Kwasei Gakuin University	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
14	2024A8019	Element-selective tracking of electron states predominated bandgap by soft X-ray sum frequency generation spectroscopy	Jingmin Tang	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
15	2024A8020	Study of the photo-induced phase transition and charge-density-wave amplitude mode in TaTe2	Takeshi Suzuki	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
16	2024A8021 1)	Mix-and-inject serial crystallography of structural changes during the copper amine oxidase reaction	Takeshi Murakawa	Osaka Medical and Pharmaceutical University	Japan	SACLA General Proposal (Non-proprietary)	BL2	4
17	2024A8023	Rotational-anisotropy surface soft x-ray second harmonic generation from topological Dirac semimetal Cd3As2	Masafumi Horio	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
18	2024A8024	Analysis of structural changes in the oxygen-evolving photosystem II by multiphoton absorption process using femtosecond lasers	Keisuke Kawakami	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL2	4
19	2024A8026 2)	Shooting molecular movies of 2-oxoglutarate-dependent dioxygenase, a non-light-driven enzyme	Shingo Nagano	Tottori University	Japan	SACLA General Proposal (Non-proprietary)	BL2	3.5
20	2024A8027	Spectral dependence of spin dynamics in a ferromagnetic metal induced by circularly polarized XFEL	Kihiro Yamada	Tokyo Institute of Technology	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
21	2024A8028	Photoactivation mechanism of metal-containing photolyase revealed by damage-free time- and spatially-resolved anomalous dispersion refinement	Junpei Yamamoto	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL2	9
22	2024A8029	Ultrafast dynamics of V-V dimer in vanadium dioxide probed by femtosecond time-resolved X-ray diffraction	Ryo Fukaya	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
23	2024A8030	Investigating new copper(I) photosensitizers towards enhanced functionality via TR-XANES	Katharina Kubicek	University of Hamburg	Germany	SACLA General Proposal (Non-proprietary)	BL3	5
24	2024A8031	Phase-stable x-ray pulse pairs using Bragg back-diffraction as phase locking mechanism	Nina Rohringer	Deutsches Elektronen-Synchrotron	Germany	SACLA General Proposal (Non-proprietary)	BL3	5
25	2024A8032	Temperature controlling-type serial crystallography for elucidating enzymatic reaction mechanism	Takaaki Fujiwara	Tohoku University	Japan	SACLA General Proposal (Non-proprietary)	BL2	3
26	2024A8033	Investigation of lattice symmetry of the novel phase of a geometrically frustrated magnet induced at 50 Tesla and low temperatures III	Masaki Gen	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
27	2024A8036	Time-resolved microcrystallography of organic compounds and chromophore molecules using visible-light lasers	Koji Yonekura	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
28	2024A8037	Study on X-ray and visible two-photon absorption	Kenji Tamasaku	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
29	2024A8039 1)	Molecular-level imaging using 100-nm Focused XFEL	Yoshinori Nishino	Hokkaido University	Japan	SACLA General Proposal (Non-proprietary)	BL2	11
30	2024A8040	Understanding the structure of liquid-liquid interfaces using Soft X-ray Second Harmonic Generation	Craig Schwartz	University of Nevada, Las Vegas	USA	SACLA General Proposal (Non-proprietary)	BL1	9
31	2024A8041	Enhancing hard x-ray diffraction from crystals via control of transient electronic populations	Andrei Benediktovitch	Deutsches Elektronen-Synchrotron	Germany	SACLA General Proposal (Non-proprietary)	BL3	5
32	2024A8043 1)	Crystal Structure Determination of Gold and Copper n-Alkanethiolates via Small-Molecule Serial Femtosecond Crystallography	James Hohman	University of Connecticut	USA	SACLA General Proposal (Non-proprietary)	BL2	4
33	2024A8045	Capturing X-ray-induced valence electron excitations	Ichiro Inoue	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
34	2024A8046	Visualization of structural change and dense carbon precipitation in super-hard metal carbides	Norimasa Ozaki	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL3	3.5
35	2024A8047	Structural basis of photoactivation in reverse phytochromes through time-resolved serial crystallography	Sebastian Westenhoff	Uppsala University	Sweden	SACLA General Proposal (Non-proprietary)	BL2	5
36	2024A8048	Studying the ultrafast dynamics of hydrogen-metals bond activation by the photolysis of cyclopentadienyltricarbonyl Manganese.	Gabriel Karras	Diamond Light Source	UK	SACLA General Proposal (Non-proprietary)	BL3	5
37	2024A8049	Development of time-resolved crystallography using reaction induction by temperature rise	Jungmin Kang	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL2	5
38	2024A8050	Investigating Buried Interfaces in Perovskite Solar Materials via Soft X-ray Second Harmonic Generation Spectroscopy	Walter Drisdell	Lawrence Berkeley National Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL1	9
39	2024A8055	Search for Superradiance in Stimulated X-ray Emission at 5.9 keV	Uwe Bergmann	University of Wisconsin-Madison	USA	SACLA General Proposal (Non-proprietary)	BL3	5
40	2024A8056	Study of electronic state in catalytic intermediates of metal protein by time-resolved simultaneous measurements of X-ray spectroscopy and SFX	Atsuhiko Shimada	Gifu University	Japan	SACLA General Proposal (Non-proprietary)	BL2	5
41	2024A8059	Ultrafast single-shot XES diagnostics for time-resolved study of spin state change in shocked iron-bearing minerals.	Alexis Amouretti	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL3	4
42	2024A8062	Measuring the Formation Length of X-ray Pairs in Spontaneous Parametric Down-Conversion	Nicholas Hartley	SLAC National Accelerator Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL3	5
43	2024A8063	Observation of ultrafast ring-opening reactions of iodothiophene by S 2p Auger electron - ion coincidence measurements	Mizuho Fushitani	Nagoya University	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
44	2024A8064	Femto- to pico-second molecular movies of photoswitchable fluorescent protein by time-resolved SFX for application to super-resolution imaging	Eiichi Mizohata	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL2	5
45	2024A8065	Development of single-shot spectro-microscopic system with Wolter mirror optics and its application to X-ray absorption & stimulated Raman scattering microscopy.	Takashi Kimura	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL1	9

¹⁾ SACLA Research Proposals for Complementary Use with SPring-8, J-PARC/MLF or HPCI including the K computer / the supercomputer Fugaku.

²⁾ Including the feasibility check beamtime (FCBT) of 0.5 shifts in performed shift.