

S/ N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Shifts
1	2024B8001	Temperature controlling-type serial crystallography for elucidating enzymatic reaction mechanism	Takaaki Fujiwara	Tohoku University	日本	SACLA General Proposal (Non-proprietary)	BL2	3
2	2024B8002	Analysis of the structural changes accompanying light-energy migration in photosystem II probed by the pump-probe SFX method	Jian-Ren Shen	Okayama University	日本	SACLA General Proposal (Non-proprietary)	BL3	5
3	2024B8003	Time resolved SFX of light-sensitive and redox active proteins	Michael Hough	Diamond Light Source	イギリス	SACLA General Proposal (Non-proprietary)	BL2	5
4	2024B8004	The solvation of iron cations at the vacuum-water interface	Craig Schwartz	University of Nevada, Las Vegas	アメリカ	SACLA General Proposal (Non-proprietary)	BL1	9
5	2024B8005 2)	Capturing intermediates of azidation reaction in a photosensitizer protein using XFEL	Jiangyun Wang	Chinese Academy of Sciences	中国	SACLA General Proposal (Non-proprietary)	BL2	5.5
6	2024B8006	Properties of porous material under shock compression using Phase contrast Ultra High Resolution X-ray imaging technique.	Michel Koenig	Centre National de la Recherche Scientifique	フランス	SACLA General Proposal (Non-proprietary)	BL3	5
7	2024B8007	Time-resolved crystallography of light-driven reactions by photolyses and cryptochromes	Junpei Yamamoto	Osaka University	日本	SACLA General Proposal (Non-proprietary)	BL2	3
8	2024B8008	Direct observation of charge-density-wave amplitude mode and photo-induced phase transition in 4Hb-TaS ₂	Takeshi Suzuki	The University of Tokyo	日本	SACLA General Proposal (Non-proprietary)	BL3	7
9	2024B8010 2)	Simultaneous Investigation of CO-Release Reaction in Multiple Microenvironments within RNaseA Crystals.	Takafumi Ueno	Tokyo Institute of Technology	日本	SACLA General Proposal (Non-proprietary)	BL2	4.5
10	2024B8011	Real-time observation of shock-induced structural phase transition in oxide materials	Hiroaki Kishimura	National Defense Academy of Japan	日本	SACLA General Proposal (Non-proprietary)	BL3	3
11	2024B8012	Memory effect in shock-induced amorphization of feldspar minerals	Sota Takagi	Tokyo University of Science	日本	SACLA General Proposal (Non-proprietary)	BL3	4
12	2024B8013	Visualizing conformational dynamics driving thermally activated delayed fluorescence (II)	Tetsuo Katayama	Japan Synchrotron Radiation Research Institute	日本	SACLA General Proposal (Non-proprietary)	BL3	5
13	2024B8016 1)	Mix-and-inject serial crystallography of structural changes during the copper amine oxidase reaction	Takeshi Murakawa	Osaka Medical and Pharmaceutical University	日本	SACLA General Proposal (Non-proprietary)	BL2	4
14	2024B8017	Analysis of structural changes in the oxygen-evolving photosystem II by multiphoton absorption process using femtosecond lasers	Keisuke Kawakami	RIKEN	日本	SACLA General Proposal (Non-proprietary)	BL2	5
15	2024B8020	Unveiling the Giant Magnetocaloric Effect with Remarkably Negligible Field Hysteresis in Heusler NiCoMnGa Alloys	Takumi Kihara	Okayama University	日本	SACLA General Proposal (Non-proprietary)	BL3	5
16	2024B8021 2)	Shooting molecular movies of 2-oxoglutarate-dependent dioxygenase, a non-light-driven enzyme	Shingo Nagano	Tottori University	日本	SACLA General Proposal (Non-proprietary)	BL2	4.5
17	2024B8022	Investigating material response to laser imprint for inertial fusion applications.	Nigel Woolsey	University of York	イギリス	SACLA General Proposal (Non-proprietary)	BL3	3
18	2024B8023	Exploring the origin of the long-lived photoexcited state of a self-induced photosensitive FeDPA ₂ PyH catalyst in CO ₂ reduction	Hao Wang	European XFEL GmbH	ドイツ	SACLA General Proposal (Non-proprietary)	BL3	5
19	2024B8024	Crystal structure analysis of Al/Ni multi layered material for Self-propagating high-temperature synthesis	Jun Yamashita	Yazaki Corporation	日本	SACLA General Proposal (Non-proprietary)	BL2	5
20	2024B8025 2)	Time-resolved microcrystallography of organic compounds and chromophore molecules using femto-second lasers	Koji Yonekura	RIKEN	日本	SACLA General Proposal (Non-proprietary)	BL3	6.5
21	2024B8026	Time-resolved imaging of photodissociation and roaming dynamics via ultrafast x-ray scattering	Ruaridh Forbes	University of California	アメリカ	SACLA General Proposal (Non-proprietary)	BL3	5
22	2024B8027	Unraveling the coupling of inter- and intra-layer CDWs in an antiferromagnetic kagome metal	Faran Zhou	Chinese Academy of Sciences	中国	SACLA General Proposal (Non-proprietary)	BL3	5
23	2024B8028	Resolving ultrafast structural precursors of the gigantic photoinduced Insulator-to-Metal Transition in an archetypal Mott insulator	Maciej Lorenc	Institute of Physics of Rennes / University of Rennes	フランス	SACLA General Proposal (Non-proprietary)	BL3	5
24	2024B8029 1)	Molecular-level imaging using 100-nm Focused XFEL	Yoshinori Nishino	Hokkaido University	日本	SACLA General Proposal (Non-proprietary)	BL2	11
25	2024B8031	Nonlinear absorption spectroscopy in K-shell core-hole state IV	Kenji Tamasaku	RIKEN	日本	SACLA General Proposal (Non-proprietary)	BL3	5
26	2024B8032	X-ray pump X-ray probe study of ultrahigh intensity X-ray diffraction using sub-10 nm focused XFEL	Junpei Yamada	Osaka University	日本	SACLA General Proposal (Non-proprietary)	BL3	5
27	2024B8033	Elucidation of the high-energy-density states of carbon-oxygen-hydrogen ternary systems	Norimasa Ozaki	Osaka University	日本	SACLA General Proposal (Non-proprietary)	BL3	5
28	2024B8034	Investigating Buried Interfaces in Silicon Solar Materials under DC Bias using Soft X-ray Second Harmonic Generation Spectroscopy	Walter Drisdell	Lawrence Berkeley National Laboratory	アメリカ	SACLA General Proposal (Non-proprietary)	BL1	10
29	2024B8035	Ultrafast interfacial dynamics in complex oxide multilayers	Jacob Spies	University of California, Berkeley	アメリカ	SACLA General Proposal (Non-proprietary)	BL1	10
30	2024B8036	Modeling of the mixing induced by shear instabilities using ns lasers II	Victorien Bouffetier	ALBA Synchrotron	スペイン	SACLA General Proposal (Non-proprietary)	BL3	3
31	2024B8037	Time-resolved Coulomb explosion imaging of HI elimination dynamics in haloalkanes	Ruaridh Forbes	University of California	アメリカ	SACLA General Proposal (Non-proprietary)	BL1	7
32	2024B8038	Ultrafast enhancement of electronic ferroelectricity accompanied by terahertz pulse-induced electron-lattice dynamics	Hirotake Itoh	Kwansei Gakuin University	日本	SACLA General Proposal (Non-proprietary)	BL3	5
33	2024B8040	Coherent domain wall engineering of Discommensurations in 1T-TaS ₂	Samuel Teitelbaum	Arizona State University	アメリカ	SACLA General Proposal (Non-proprietary)	BL3	5
34	2024B8041	Time-resolved WAXS of nanoparticle electrolyte reconstruction of a self-assembling nanoparticles system in solution	Naomi Ginsberg	University of California, Berkeley	アメリカ	SACLA General Proposal (Non-proprietary)	BL2	6
35	2024B8042	Amplifying scattering cross-sections via transient resonances	Stephan Kuschel	Technical University of Darmstadt	ドイツ	SACLA General Proposal (Non-proprietary)	BL3	5
36	2024B8044 1) 2)	High-speed time-resolved structural analysis of light-energy transfer mechanism in antenna protein	Yasufumi Umena	Nagoya University	日本	SACLA General Proposal (Non-proprietary)	BL2	8.5
37	2024B8045	Measuring soft X-ray chemical edges with hard X-ray nonlinear spectroscopy	Jordan O Neal	The University of Tokyo	日本	SACLA General Proposal (Non-proprietary)	BL3	5
38	2024B8046	Single shot XFEL powder diffraction study at 100 Tesla using PINK-Q2 and XFEL: Uncovering the novel crystal structure of the θ phase of solid oxygen at 100 Tesla II	Akihiko Ikeda	The University of Electro-Communications	日本	SACLA General Proposal (Non-proprietary)	BL3	6
39	2024B8047	Development of a time-resolved electron-ion coincidence measurement method with a wavelength monitor system	Mizuho Fushitani	Nagoya University	日本	SACLA General Proposal (Non-proprietary)	BL1	7
40	2024B8048	Holographic cellular imaging using nano-focused soft x-ray free electron laser pulses	Gota Yamaguchi	RIKEN	日本	SACLA General Proposal (Non-proprietary)	BL1	7
41	2024B8049 1)	Understanding the ultrafast and efficient electron transfer of photosynthetic reaction center: How is the charge separation and stabilization achieved?	Jan Kern	Lawrence Berkeley National Laboratory	アメリカ	SACLA General Proposal (Non-proprietary)	BL2	5
42	2024B8050	Development of high magnification single-shot microscope using Wolter-type3 optics and its application to femtosecond spectroscopic imaging.	Takashi Kimura	The University of Tokyo	日本	SACLA General Proposal (Non-proprietary)	BL1	14
43	2024B8051	Investigation of Fast Electron Isochoric Heating Dynamics in Solids Using High-Power, Femtosecond Lasers at Large Incident Angles	Hiroshi Sawada	University of Nevada Reno	アメリカ	SACLA General Proposal (Non-proprietary)	BL2	11
44	2024B8052	Isotropical transformation in laser shocked cobalt by in-situ X-ray diffraction and small-angle x-ray scattering	Jianbo Hu	Southwest University of Science and Technology	中国	SACLA General Proposal (Non-proprietary)	BL3	2
45	2024B8053	Ultrafast Studies of Atomic Diffusion in Superionic Sodium Hydroborate Solid-State Electrolytes with Split-and-Delay XSVS	Oleg Shpyrko	University of California San Diego	アメリカ	SACLA General Proposal (Non-proprietary)	BL3	11
46	2024B8054	Measurement of Shock Compression Response of Room-Temperature Solid Fuel	Shinsuke Fujoka	Osaka University	日本	SACLA General Proposal (Proprietary)	BL3	0.333

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

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