

S/N	Proposal No.	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Performed Shift
1	2018A8003	Dislocation dynamics and carbon diffusion in steels using femto-second X-ray diffraction	Mitsuharu Yonemura	NIPPON STEEL & SUMITOMO METAL CORPORATION	Japan	SACLA General Proposal (Non-proprietary)	BL3	3
2	2018A8004	Femtosecond time-resolved X-ray absorption spectroscopy of Nitrogen-doped TiO2 nanoparticle	Takeshi Morikawa	TOYOTA CENTRAL R&D LABS., INC.	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
3	2018A8005	High Throughput and Time Resolved Fixed Target Crystallography of Metalloenzymes	Michael Hough	University of Essex	UK	SACLA General Proposal (Non-proprietary)	BL2	3
4	2018A8006	Femtosecond time-resolved X-ray diffraction study of perovskite cobalt oxides for detecting transient electron-lattice interaction in strongly correlated electron system	Shin-ichi Adachi	High Energy Accelerator Research Organization	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
5	2018A8007	Does anharmonicity enable ultrafast phase transitions?	Simon Wall	ICFO - The Institute of Photonic Sciences	Spain	SACLA General Proposal (Non-proprietary)	BL3	5
6	2018A8008 ²⁾	Time-resolved crystallography of ultrafast light driven DNA repair by photolyases	Yoshitaka Bessho	Academia Sinica	Taiwan, ROC	SACLA General Proposal (Non-proprietary)	BL2	3.5
7	2018A8009	Development of femtosecond X-ray crystallography and its utilization in structural biology on biological macromolecules susceptible to radiation damage.	Hideo Ago	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL2	7
8	2018A8010 ¹⁾	High-resolution structure of photosystem II in the intermediate state of the oxygen-evolving and water-splitting reaction using fixed-target protein crystallography	Michihiro Suga	Okayama University	Japan	SACLA General Proposal (Non-proprietary)	BL2	4
9	2018A8011	Development of Coherent Soft X-ray Imaging Diffractometer for Observation of Ultra-high Speed Spin Dynamics	Yuichi Yamasaki	National Institute for Materials Science	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
10	2018A8012	Femtosecond X-ray protein nanocrystallography on the chloride pumping mechanism of light-driven transport by a new type of chloride ion pump	Mikako Shirouzu	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL2	3
11	2018A8013	Observation of cascade, yoked, and triggered superfluorescence from a dense target of helium ions	James Harries	National Institutes for Quantum and Radiological Science and Technology	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
12	2018A8014	Creation and observation of ultra-high energy density state with ultrahigh intensity laser	Keisuke Shigemori	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL2	7
13	2018A8016	Dynamical observation of thermal propagation at the interface using time-resolved X-ray thermography	Akio Yoneyama	Hitachi, Ltd.	Japan	SACLA General Proposal (Non-proprietary)	BL3	2
14	2018A8017	Probing of oxygen induced intermediate states in Fe containing metalloenzymes	Jan Kern	Lawrence Berkeley National Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL2	5
15	2018A8018	Development of cavity type hard x-ray lasers	Hitoki Yoneda	The University of Electro-Communications	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
16	2018A8019	Electron-ion coincidence experiments of atomic processes in intense EUV laser fields	Mizuho Fushitani	Nagoya University	Japan	SACLA General Proposal (Non-proprietary)	BL1	5
17	2018A8020	Ultrafast magnetization dynamics of XFEL-induced spin-polarized states	Motohiro Suzuki	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
18	2018A8023	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	4
19	2018A8024	Research on interaction of SXFEL with matter for EUV ultra-precision nano-fabrication	Masaharu Nishikino	National Institutes for Quantum and Radiological Science and Technology	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
20	2018A8025	X-ray amplification using plasma created with intense laser pulse	Yuichi Inubushi	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal (Non-proprietary)	BL2	7
21	2018A8026	Capturing structural intermediate states in a newly discovered photoenzyme by nanosecond time-resolved SFX	Martin Weik	Commissariat à l'Energie Atomique (CEA)	France	SACLA General Proposal (Non-proprietary)	BL2	3
22	2018A8030	Generalized Femtosecond Dynamics in Aqueous Physical Chemistry	Sergio Carbajo	Stanford University	USA	SACLA General Proposal (Non-proprietary)	BL3	3
23	2018A8031	Structural Dynamics of Ribosomal Decoding Complexes	Hasan Demirci	Stanford University	USA	SACLA General Proposal (Non-proprietary)	BL2	3
24	2018A8032	Ultrafast magnetic dynamics by cross-gap resonant excitation of carriers in Sr3Ir2O7	Derek Meyers	Brookhaven National Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL3	5
25	2018A8033	Transformation dynamics of shock-compressed forsterite single crystal by integrated analysis of XFEL diffraction and optical velocity interferometry	Takuo Okuchi	Okayama University	Japan	SACLA General Proposal (Non-proprietary)	BL3	2
26	2018A8035	Time-resolved serial femtosecond crystallography to reveal dynamical properties including hydrolysis reaction of oncogene product H-Ras protein	Fumi Shima	Kobe University	Japan	SACLA General Proposal (Non-proprietary)	BL2	2
27	2018A8036	Exploration of ultrahigh pressure polymorphs of carbon using high-power laser and XFEL	Norimasa Ozaki	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL3	3
28	2018A8037 ¹⁾	Structural analysis of the intermediate states of photosystem II water-splitting reaction by pump-probe serial femtosecond crystallography	Jian-Ren Shen	Okayama University	Japan	SACLA General Proposal (Non-proprietary)	BL2	5
29	2018A8038	Visualization of Ultrafast X-ray Induced Dynamics in Heavy Atom Containing Molecules by Time-resolved Ion Momentum Multiple Coincidence Measurements	Kiyoshi Ueda	Tohoku University	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
30	2018A8039	Exploring the Role of Enzyme Dynamics in the Evolution of Catalytic Function using Time-Resolved Temperature-Jump Crystallography	Michael Thompson	University of California, San Francisco	USA	SACLA General Proposal (Non-proprietary)	BL2	3
31	2018A8040	Nonlinear X-ray spectroscopy using two-color XFEL beams	Ichiro Inoue	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
32	2018A8041	Radiation-Damage-Free Imaging of Solid Electrolytes for Solid-State Batteries by Pulsed Coherent X-Ray Solution Scattering	Hisao Yamashige	Toyota Motor Corporation	Japan	SACLA General Proposal (Non-proprietary)	BL2	7
33	2018A8042	Development of versatile methods for protein structural dynamics analysis using X-ray free electron lasers	Eriko Nango	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL2	3
34	2018A8043 ¹⁾	Survey of postspinel phases of group-14 element nitrides using laser-shock compression and static compression by diamond anvil cell	Norimasa Nishiyama	Tokyo Institute of Technology	Japan	SACLA General Proposal (Non-proprietary)	BL3	2
35	2018A8046	Search for X-ray coherent Raman scattering II	Kenji Tamasaku	RIKEN	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
36	2018A8047 ¹⁾	Single Particle Imaging with 100-nm Focused XFEL by Pulsed Coherent X-Ray Solution Scattering	Yoshinori Nishino	Hokkaido University	Japan	SACLA General Proposal (Non-proprietary)	BL2	7
37	2018A8049	Tracking the Ultrafast Structural Dynamics of Copper Tungstate (CuWO4) Water Splitting Photoanodes Using Femtosecond XAFS	Frank De Groot	Utrecht University	Netherlands	SACLA General Proposal (Non-proprietary)	BL3	4
38	2018A8051	Study of the interface second harmonic generation by a soft X-ray free electron laser	Iwao Matsuda	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL1	3
39	2018A8052	Study of magnetism with high-space resolution using micro meter focus mirror of soft X-ray	Yuya Kubota	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
40	2018A8054	Femtosecond time-resolved x-ray emission spectroscopy and high-energy-resolution-x-ray absorption spectroscopy study of photoredox reaction in Fe-porphyrin complex for detecting time-evolution of transient electronic and molecular structures	Shunsuke Nozawa	High Energy Accelerator Research Organization	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
41	2018A8055	Does roaming control the ultrafast isomerisation of tribromides? An investigation with Wide Angle X-ray Scattering	Sebastian Westenhoff	University of Gothenburg	Sweden	SACLA General Proposal (Non-proprietary)	BL3	4.7
42	2018A8056	Thermal and Nonthermal Melting Driven by X-Ray Heating	Nicholas Hartley	Helmholtz-Zentrum Dresden-Rossendorf (HZDR)	Germany	SACLA General Proposal (Non-proprietary)	BL3	5
43	2018A8059	Development of a real-time and real-space measurement system for pre-dissociation processes by using time-resolved photoelectron spectroscopy and photoelectron diffraction	Hiroyuki Shimada	High Energy Accelerator Research Organization	Japan	SACLA General Proposal (Non-proprietary)	BL1	8
44	2018A8060	Formation of sub-10nm XFEL beam using large-NA multilayer focusing mirrors	Kazuto Yamauchi	Osaka University	Japan	SACLA General Proposal (Non-proprietary)	BL3	7
45	2018A8062	Structural transformation mechanism from highly oriented graphite to hexagonal diamond under uniaxial dynamic compression	Takahiro Matsuoka	Gifu University	Japan	SACLA General Proposal (Non-proprietary)	BL3	2
46	2018A8063	Ultrafast calorimetry measurements in supercooled water	KyungHwan Kim	Stockholm University	Sweden	SACLA General Proposal (Non-proprietary)	BL3	5
47	2018A8064	Elucidation of ultrafast magnetic response on ferromagnetic semiconductor (In,Fe)As quantum well	Masaki Kobayashi	The University of Tokyo	Japan	SACLA General Proposal (Non-proprietary)	BL1	7
48	2018A8066	Structural dynamics of the G protein-coupled receptor rhodopsin studied by pump probe serial femtosecond crystallography.	Gebhard Schertler	Paul Scherrer Institut	Switzerland	SACLA General Proposal (Non-proprietary)	BL3	3
49	2018A8067 ¹⁾	Elucidating spin-lattice correlations in multi-ferroics and spin crossover compounds by using a pulsed high magnetic field X-ray diffraction system-II	Hiroyuki Nojiri	Tohoku University	Japan	SACLA General Proposal (Non-proprietary)	BL3	5
50	2018A8069	Nuclear Nonlinear Optics: Towards a narrowband Mossbauer source driven by broadband x-ray pulses.	Andreas Kaldun	SLAC National Accelerator Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL3	7
51	2018A8073	Directly characterizing the role of the solvent in femtochemistry	James Glowia	SLAC National Accelerator Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL3	5
52	2018A8074	THE FIRST PICOSECONDS: Imaging anisotropic heating of atoms through pump-probe Bragg Coherent Diffraction	Ross Harder	Argonne National Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL3	5
53	2018A8075	Investigating the ultra-fast structural transitions resulting from light-absorption in the bovine visual pigment, and the subsequent transition to known meta-stable states involved in the visual process: A time-resolved solution scattering experiment.	Michael Brown	University of Arizona	USA	SACLA General Proposal (Non-proprietary)	BL3	3
54	2018A8077	Structure determination of bovine heart cytochrome c oxidase at a reaction intermediate state by time-resolved SFX method	Atsuhiko Shimada	Gifu University	Japan	SACLA General Proposal (Non-proprietary)	BL2	3
55	2018A8078	Two-color x-ray pump-probe spectroscopy of transient Moiré superlattices	Johann Haber	SLAC National Accelerator Laboratory	USA	SACLA General Proposal (Non-proprietary)	BL3	6

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

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