SACLA

2014A Performed Proposals

1Shift =12Hours

S/N	Proposal No.	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Performed Shift
1	2014A8004	Investigation of X-ray nonlinear spectroscopy I	Kenji TAMASAKU	RIKEN	Japan	SACLA General Proposal	BL3	5
2	2014A8006	Charge and structural dynamics of the metal-insulator transition in perovskite nickelates	Urs Staub	Paul Scherrer Institute	Switzerland	SACLA General Proposal	BL3	7
3	2014A8008	Xray coherent optical experiments with XFEL pumped X-ray lasers	Hitoki YONEDA	The University of Electro-Communications	Japan	SACLA General Proposal	BL3	5
4	2014A8009	Real time probing of ultrafast geometrical deformation of polyatomic molecules by gas X-ray diffraction	Kaoru YAMANOUCHI	The University of Tokyo	Japan	SACLA General Proposal	BL3	5
5	2014A8012	Development of Ultrafast Photoelectron Diffraction	Akira YAGISHITA	High Energy Accelerator Research Organization	Japan	SACLA General Proposal	BL3	5
6	2014A8013	Ultrafast Characterization of Charge Transfer Chromophore Dynamics in Heterodinuclear Photocatalysts for Artificial Photosynthesis Using Simultaneous Multi-Element X-ray Emission Spectroscopy	Junko YANO	Lawrence Berkeley National Laboratory	USA	SACLA General Proposal	BL3	5
7	2014A8015	Time-resolved observation of phase transition and grain refinement in engineering metallic materials due to laser shock	Yuji SANO	Toshiba Corporation	Japan	SACLA General Proposal	BL3	2
8	2014A8017	Study of interaction of intense laser with matters toward enhancement of XFEL	Yuichi INUBUSHI	Japan Synchrotron Radiation Research Institute	Japan	SACLA General Proposal	BL3	5
9	2014A8020	In vivo cellular dynamic imaging at nano-scale resolution	Changyong Song	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	5
10	2014A8021	High-Resolution Single-Shot 3D Structure Determination of Highly Symmetric Viruses.	Jianwei Miao	University of California, Los Angeles	USA	SACLA Priority Strategy Proposal	BL3	5
11	2014A8022	Ultrafast structural dynamics of heme protein in solution probed by anisotropic femtosecond X-ray solution scattering	Hyotcherl Ihee	Korea Advanced Institute of Science and Technology	Korea	SACLA Priority Strategy Proposal	BL3	4
12	2014A8025	Disentangling simultaneous transition state structures during ultrafast ligand photosubstitution reaction with combined X-ray spectroscopies and scattering techniques	Wojciech Gawelda	European X-ray Free Election Laser	Germany	SACLA Priority Strategy Proposal	BL3	7
13	2014A8028	X-ray Nonlinear Optics: Resonant Second Harmonic Generation at Hard X-ray Wavelengths	Sharon Shwartz	Bar-Ilan university	Israel	SACLA Priority Strategy Proposal	BL3	7
14	2014A8030	pump probe spectroscopy of low energy excitations in charge density waves materials	Mariano Trigo	SLAC National Accelerator Laboratory	USA	SACLA Priority Strategy Proposal	BL3	6
15	2014A8031	High-resolution crystallography of drug-target membrane transporters using the X-ray free electron laser	Tatsuro SHIMAMURA	Kyoto University	Japan	SACLA Priority Strategy Proposal	BL3	2
16	2014A8032	Femtosecond X-ray protein nanocrystallography on drug-target proteins	So IWATA	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	8
17	2014A8033	Efficient cryogenic coherent X-ray diffraction imaging experiments for biological particles with sub-micrometer dimensions	Masayoshi NAKASAKO	Keio University	Japan	SACLA Priority Strategy Proposal	BL3	7
18	2014A8034	Development of X-ray single particle analysis technique for structure determination of spherical biological macromolecular assemblies	Atsushi NAKAGAWA	Osaka University	Japan	SACLA Priority Strategy Proposal	BL3	2
19	2014A8035	Biomolecular Imaging by Pulsed Coherent X-Ray Solution Scattering	Yoshinori NISHINO	Hokkaido University	Japan	SACLA Priority Strategy Proposal	BL3	5
20	2014A8036	High-resolution crystal structure analysis of biological macromolecules free of radiation damage at a non-cryogenic temperature for the visualization of biological energy-conversion processes.	Hideo AGO	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	7
21	2014A8037	Photo-induced Pico-second Structure Change by Femto-second Time-resolved X-ray Diffraction	Ei-ichiro MATSUBARA	Kyoto University	Japan	SACLA Priority Strategy Proposal	BL3	6
22	2014A8038	Shot-by-shot synchronous measurements of the morphology and charge migration dynamics for giant rare-gas clusters	Makoto YAO	Kyoto University	Japan	SACLA Priority Strategy Proposal	BL3	5
23	2014A8039	Non-thermal ultrafast dynamics of phase change by femtosecond time-resolved X-ray spectroscopy	Muneaki HASE	University of Tsukuba	Japan	SACLA Priority Strategy Proposal	BL3	5
24	2014A8040	Dynamic imaging of nano-plasma and molecular dissociation	Kiyoshi UEDA	Tohoku University	Japan	SACLA Priority Strategy Proposal	BL3	7
25	2014A8042	Ultrafast structural dynamics of Au(CN)2- in solution probed by femtosecond X-ray solution scattering	Shin-ichi ADACHI	High Energy Accelerator Research Organization	Japan	SACLA Priority Strategy Proposal	BL3	3
26	2014A8044	Observation of dynamic structural phase transitions in superconducting Fe pnictides by time-resolved x-ray diffraction	Hiroki WADATI	The University of Tokyo	Japan	SACLA Priority Strategy Proposal	BL3	5
27	2014A8045	Creation of high-pressure states over 100 GPa and understanding of phase transformation dynamics	Norimasa OZAKI	Osaka University	Japan	SACLA Priority Strategy Proposal	BL3	7
28	2014A8049	Time-resolved X-ray spectroscopy of liquids using SACLA	Toshinori SUZUKI	RIKEN	Japan	SACLA Priority Strategy Proposal	BL3	5