

2012A Performed Proposals

1Shift = 12Hours

S/N	Proposal No.	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Performed Shift
1	2012A8001	Structure Analysis of Functional Nanoparticles by Focused XFEL Diffractive Imaging	Yukio TAKAHASHI	Osaka University	Japan	General Proposal	BL3	2
2	2012A8005	Coherent X-ray diffraction imaging of the smallest eukaryote Cyanidoschyzon merolae using the cryogenic diffraction apparatus	Masayoshi NAKASAKO	Keio University	Japan	General Proposal	BL3	6
3	2012A8006	Coherent X-ray diffraction imaging of ribosome particles using the cryogenic diffraction apparatus	Tomotaka OROGUCHI	Keio University	Japan	General Proposal	BL3	2
4	2012A8010	Coherent X-ray diffraction imaging of the flagellar motor using the cryogenic diffraction apparatus	Koji YONEKURA	RIKEN	Japan	General Proposal	BL3	2
5	2012A8011	Damage free structural analysis of oxygen-evolving process of photosystem II.	Hideo AGO	RIKEN	Japan	General Proposal	BL3	6
6	2012A8012	Time-resolved observation of dynamic aging of aluminum alloy by nano-second laser shock	Yuji SANO	Toshiba Corporation	Japan	General Proposal	BL3	2
7	2012A8013	Single-shot Photoelectron Spectroscopy of Molecules in Intense X-ray Laser Fields	Akiyoshi HISHIKAWA	Nagoya University	Japan	General Proposal	BL3	4
8	2012A8015	In situ XFEL observation of Earth and planetary constituents under laser-induced ultrahigh-pressure conditions	Yoshinori TANGE	Ehime University	Japan	General Proposal	BL3	2
9	2012A8020	Single-pulse coherent x-ray diffraction imaging of undisrupted mitochondrion internal structure	DoYoung Noh	Gwangju Institute of Science & Technology	Korea	General Proposal	BL3	4
10	2012A8022	Development of X-ray diffraction data collection method for protein crystals of sub-micrometer size at low temperature using the cryogenic diffraction apparatus	Masaki YAMAMOTO	RIKEN	Japan	General Proposal	BL3	6
11	2012A8024	Observation of X-ray Free-Electron-Laser-Induced Super-fluorescence	Eiji SHIGEMASA	National Institutes of Natural Sciences	Japan	General Proposal	BL3	8
12	2012A8025	Investigation of multiphoton processes for x-ray autocorrelator	Kenji TAMASAKU	RIKEN	Japan	General Proposal	BL3	8
13	2012A8027	Revealing Three-Dimensional Architecture of Whole Mammalian Cells Using X-ray Diffraction Microscopy	Jianwei Miao	University of California, Los Angeles	USA	General Proposal	BL3	8
14	2012A8028	Development of X-ray diffraction apparatus of single protein molecule using liquid beam as a target	Fumitaka MAFUNE	The University of Tokyo	Japan	Priority Strategy Proposal	BL3	6
15	2012A8030	Ultrafast X-ray absorption spectroscopy of photosensitive metal complexes for improving the efficiency of artificial photosynthetic systems	Shin-ichi ADACHI	High Energy Accelerator Research Organization	Japan	Priority Strategy Proposal	BL3	4
16	2012A8033	X-ray Nonlinear Optics: Second Harmonic Generation at Hard X-ray Wavelengths	Sharon Shwartz	Stanford University	USA	Priority Strategy Proposal	BL3	4
17	2012A8034	Biomolecular Imaging by Pulsed Coherent X-Ray Solution Scattering	Yoshinori NISHINO	Hokkaido University	Japan	Priority Strategy Proposal	BL3	8
18	2012A8036	Spectroscopic study on multiple ionization of rare gas atoms and clusters by SACLA and subsequent decay processes	Kiyoshi UEDA	Tohoku University	Japan	Priority Strategy Proposal	BL3	10
19	2012A8038	Ultrafast structural dynamics of heme proteins in solution probed by femtosecond X-ray solution scattering	Hytcherl Ihee	Korea Advanced Institute of Science and Technology	Korea	Priority Strategy Proposal	BL3	4
20	2012A8041	Development of X-ray single particle analysis technique for structure determination of large spherical viruses at atomic resolution	Atsushi NAKAGAWA	Osaka University	Japan	Priority Strategy Proposal	BL3	2
21	2012A8045	Nano-crystallography of G-protein coupled Receptors: Targets for Structure-based Drug Design	Thomas Earnest	Shanghai Institute of Applied Physics	China	Priority Strategy Proposal	BL3	2
22	2012A8047	Detection of Intracellular Amyloid Deposits by Micro-X-ray Diffraction from Whole Cells and Sub-cellular Organelles.	David S. Eisenberg	University of California, Los Angeles	USA	Priority Strategy Proposal	BL3	4
23	2012A8049	Direct structural tracking of bond formation and excited-state dynamics in a binuclear metal complex	Martin Meedom Nielsen	Technical University of Denmark	Denmark	Priority Strategy Proposal	BL3	6
24	2012A8052	Femtosecond time-resolved coherent X-ray diffraction to study laser-induced structural change in thin film and nanometer sized inorganic crystals	Yoshihito TANAKA	RIKEN	Japan	Priority Strategy Proposal	BL3	8
25	2012A8053	Femtosecond dynamics of formation of novel high-energy-density materials using laser-driven ultrafast compression	Tomokazu SANO	Osaka University	Japan	Priority Strategy Proposal	BL3	8