

## 2013A Performed Proposals

1Shift = 12Hours

S/N	Proposal No.	Performed Proposal Title	Project Leader	Affiliation	Country	Type of Proposal	Beamline	Performed Shift
1	2013A8002	Measurement of pulse duration by X-ray two-photon absorption	Kenji TAMASAKU	RIKEN	Japan	General Proposal	BL3	5
2	2013A8004	Search for photon-photon scattering using high intensity X-ray	Toshio NAMBA	The University of Tokyo	Japan	General Proposal	BL3	4
3	2013A8008	Ultrafast Time-resolved Wide Angle X-ray Scattering Studies of a Photosynthetic Membrane Protein Complex	Richard Neutze	University of Gothenburg	Sweden	General Proposal	BL3	5
4	2013A8009	Single-pulse coherent x-ray diffraction imaging of a mitochondrion conjugated to a Au particle	DoYoung Noh	Gwangju Institute of Science & Technology	Korea	General Proposal	BL3	4
5	2013A8010	Bond orientational order in liquid water at ambient and supercooled conditions	Felix Lehmkuehler	Deutsches Elektronen-Synchrotron	Germany	General Proposal	BL3	7
6	2013A8013	XFEL pumped keV-Xray laser assisted by efficient saturable absorpton	Hitoki YONEDA	The University of Electro-Communications	Japan	General Proposal	BL3	5
7	2013A8014	Generation of spin-polarized states induced by circularly polarized XFEL	Motohiro SUZUKI	Japan Synchrotron Radiation Research Institute	Japan	General Proposal	BL3	5
8	2013A8021	Pump-probe XAFS study on the mechanism of light-induced electron excitation and electron transfer process of Pt/WO3	Yohei UEMURA	Hokkaido University	Japan	General Proposal	BL3	5
9	2013A8025	Time-resolved observation of dynamic grain refinement of aluminum alloys by laser-induced shock	Yuji SANO	Toshiba Corporation	Japan	General Proposal	BL3	2
10	2013A8028	In vivo cellular dynamic imaging at nano-scale resolution	Changyong Song	RIKEN	Japan	Priority Strategy Proposal	BL3	7
11	2013A8033	Femtosecond time-resolved Bragg coherent X-ray diffraction to investigate laser-induced structural change in thin film and nanometer sized inorganic crystals	Yoshihito TANAKA	RIKEN	Japan	Priority Strategy Proposal	BL3	5
12	2013A8038	Unraveling the Nature of the Giant Anharmonic Phonon Coupling in PbTe by Femtosecond X-ray Diffuse Scattering	David A. Reis	Stanford University / SLAC National Accelerator Laboratory	USA	Priority Strategy Proposal	BL3	7
13	2013A8039	Femtosecond X-ray protein nanocrystallography on drug-target proteins	So IWATA	RIKEN	Japan	Priority Strategy Proposal	BL3	5
14	2013A8040	High-resolution crystallography of drug-target membrane transporters using the X-ray free electron laser	Tatsuro SHIMAMURA	Kyoto University	Japan	Priority Strategy Proposal	BL3	2
15	2013A8043	Cryogenic coherent X-ray diffraction experiment for non-crystalline particles using the KOTOBUKI-1 diffractometer	Masayoshi NAKASAKO	Keio University	Japan	Priority Strategy Proposal	BL3	9
16	2013A8045	Development of X-ray single particle analysis technique for structure determination of spherical viruses	Atsushi NAKAGAWA	Osaka University	Japan	Priority Strategy Proposal	BL3	2
17	2013A8046	Biomolecular Imaging by Pulsed Coherent X-Ray Solution Scattering	Yoshinori NISHINO	Hokkaido University	Japan	Priority Strategy Proposal	BL3	4
18	2013A8047	Radiation free protein X-ray crystallography for visualization of biological energy conversion processes	Hideo AGO	RIKEN	Japan	Priority Strategy Proposal	BL3	7
19	2013A8048	Observation of photo-perturbation in photo-induced phase transition materials by femto-second time-resolved X-ray diffraction & spectroscopy	Ei-ichiro MATSUBARA	Kyoto University	Japan	Priority Strategy Proposal	BL3	2
20	2013A8050	Fundamental study for the time-resolved hard x-ray electron spectroscopy ~ toward the ultrafast dynamic spectroscopy of solids ~	Masaki OURA	RIKEN	Japan	Priority Strategy Proposal	BL3	5
21	2013A8051	Coherent phonon dynamics of phase change materials by time-resolved X-ray diffraction spectroscopy	Muneaki HASE	University of Tsukuba	Japan	Priority Strategy Proposal	BL3	5
22	2013A8053	Ultrafast reaction dynamics in solution probed by femtosecond X-ray solution scattering and emission spectroscopy	Shin-ichi ADACHI	High Energy Accelerator Research Organization	Japan	Priority Strategy Proposal	BL3	5
23	2013A8056	Ultrafast XFEL-diffraction measurement of formation of dense materials under femtosecond laser-driven shock compression	Tomokazu SANO	Osaka University	Japan	Priority Strategy Proposal	BL3	5
24	2013A8059	Ultrafast Time-resolved X-ray Absorption Fine Structure Spectroscopy of Aqueous Solutions	Kazuhiko MISAWA	Tokyo University of Agriculture and Technology	Japan	Priority Strategy Proposal	BL3	5