

2019B, Performed General Proposals

* Spring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or Supercomputers (public computational resource of HPCI including the K computer).

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B1031	X-ray single crystal structural analysis for structural determination of low molecular organic compound	Takahiko Hashizuka	Sumitomo Dainippon Pharma Co., Ltd.	Japan	Industry	Industrial Applications	2	BL02B1	p
2	2019B1032	Spatial resolution evaluation of indirect type X-ray imaging unit	Junpei Ohgita	Hamamatsu Photonics K.K.	Japan	Industry	Beamline Engineering	1	BL20B2	p
3	2019B1033	HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Industrial Applications	3	BL47XU	p
4	2019B1034	HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Industrial Applications	3	BL09XU	p
5	2019B1035	Structure Analysis of Active Materials	Satoru Ohuchi	Panasonic Corporation	Japan	Industry	Industrial Applications	3	BL04B2	p
6	2019B1036	Structural analysis of geopolymer	Hideaki Teranishi	FUJI ELECTRIC CO., LTD.	Japan	Industry	Industrial Applications	1	BL20XU	p
7	2019B1037	Precision structure analysis and In-situ XRD analysis for ceramics materials	Yoshitomo Tanaka	TDK Corporation	Japan	Industry	Industrial Applications	5.875	BL02B2	p
8	2019B1038	Phonon dispersion curves of a film with inelastic x-ray scattering	Akira Nambu	Hitachi, Ltd.	Japan	Industry	Materials Science and Engineering	6	BL35XU	p
9	2019B1039	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	12	BL47XU	p
10	2019B1040	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	12	BL20XU	p
11	2019B1041	Soft X-ray spectroscopy analysis in applied materials	Takashi Oyama	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	12	BL25SU	p
12	2019B1042	Evaluation of GaN crystal by X-ray topography	Masakazu Kanechika	Nagoya University	Japan	Educational Organization	Industrial Applications	1.875	BL20B2	p
13	2019B1043	Relationship of structure and mechanical property about polymer materials.	Takayuki Kobayashi	Mitsubishi Chemical Corporation	Japan	Industry	Industrial Applications	5	BL47XU	p
14	2019B1044	Dynamic structural evaluation of bio-based material surface in solvent application process.	Atsushi Nioh	Pola Chemical Industries, Inc.	Japan	Industry	Chemical Science	1.875	BL05XU	p
15	2019B1045	Increasing the complexity – predicting the macroscale petrophysical properties of Lower Cretaceous chalk from 3D nanoscale bulk microstructure	Henning Sorensen	Technical University of Denmark	Denmark	Foreign	Earth and Planetary Science	5.875	BL47XU	p
16	2019B1046	Structural analysis of inorganic material	Kyouko Oda	Mitsubishi Chemical Corporation	Japan	Industry	Industrial Applications	2	BL20B2	p
17	2019B1047	X-ray study of structure of fluoroplastics	Toshiyuki Fukushima	DAIKIN INDUSTRIES, LTD.	Japan	Industry	Materials Science and Engineering	2	BL40B2	p
18	2019B1048	The structural analysis of hierarchical structure of polymer complexes with nanoparticles for industrial applications.	Hyungju Ahn	Pohang Accelerator Laboratory	Korea	Foreign	Industrial Applications	1	BL19B2	p
19	2019B1049	Measurement of powder X-ray diffraction for medicine	Kenji Suzuki	Pharmaceutical Consortium for Protein Structure Analysis	Japan	Industry	Industrial Applications	2	BL19B2	p
20	2019B1050	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	3	BL46XU	p
21	2019B1051	Feasibility Study for X-ray Imaging by synchrotron X-ray	Akira Taniyama	Nippon Steel Corporation	Japan	Industry	Industrial Applications	3	BL46XU	p

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22	2019B1052	Local environment of Ti in TiCl ₄ aqueous solutions for synthesis of inorganic compounds	Masatoshi Tatsumi	OSAKA Titanium technologies Co.,Ltd.	Japan	Industry	Industrial Applications	3	BL14B2	p
23	2019B1053	Thin film X-ray structural analysis of organic thin film	Hisashi Tetsutani	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	3	BL46XU	p
24	2019B1054	Characterization of oxide film on metal using HAXPES	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	3	BL46XU	p
25	2019B1055	Structural analysis with polyolefin films	Go Matsuba	Yamagata University	Japan	Educational Organization	Industrial Applications	3	BL19B2	p
26	2019B1056	Electron charge density analysis of luminescent materials containing bismuth through the MEM/Rietveld technique	Hong-Tao Sun	Soochow University	China	Foreign	Materials Science and Engineering	3	BL02B2	np
27	2019B1057	Hard X-Ray Photoemission Spectroscopy for Thermoelectric Materials	Masaharu Matsunami	Toyota Technological Institute	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	np
28	2019B1059	In-situ X-ray and Raman Studies on the structure of amorphous ices	John Tse	University of Saskatchewan	Canada	Foreign	Chemical Science	9	BL10XU	np
29	2019B1062	Temperature dependence of the scattering function of poly(N,N-diethylacrylamide) in aqueous solution	Daichi Ida	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40B2	np
30	2019B1063	Rapid X-Ray Crystallographic Analysis of BN-Containing Nanographene-Based OLED Materials by High-Brightness Microbeam	Takuji Hatakeyama	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	5.75	BL40XU	np
31	2019B1066	Structural analysis of stretched membranes for polymer fuel cells under humidity control to clarify the correlation of mechanical strength	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	5.75	BL43IR	np
32	2019B1067	X-ray crystallographic analysis of molecular bearings composed of tubular aromatic hydrocarbons	Taisuke Matsuno	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL26B1	np
33	2019B1069	Study on Uneven Distribution of Insect Body Lipid Structure by Using Micro FTIR-ATR Spectroscopy	Fumitoshi Kaneko	Osaka University	Japan	Educational Organization	Life Science	5.875	BL43IR	np
34	2019B1071	Effect of water on elasticity, anelasticity and plasticity of olivine aggregates	Takashi Yoshino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	14.875	BL04B1	np
35	2019B1072	Liquid Dynamics of short-ranged orbital molecules	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	14.5	BL04B2	np
36	2019B1073	Change of trimer transition temperature of LiVO ₂ induced by high energy x-ray radiation	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
37	2019B1074	4D X-ray tomography using bent multi-beam X-ray optics	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	26.75	BL28B2	np
38	2019B1077	Analysis of the Phase Transitions of ether-linked LC compounds between Rod-like and Discotic Liquid Crystalline Phases	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
39	2019B1078	Evaluation of self-healing process of alkyl acrylate based super molecular elastomers with precise structural analysis	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	6	BL40B2	np
40	2019B1079	3D local structure analysis of aluminum doped in magnesium silicide crystals by photoelectron holography	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	10	BL25SU	np
41	2019B1080	Atomic fluctuation around A site in langasite crystals with ordered structure observed by X-ray fluorescence holography	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	np
42	2019B1081	Evaluation of structure formation of microbial polyester films and fibers with high tensile strength and high elasticity	Tadahisa Iwata	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL40B2	np

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43	2019B1082	Synchrotron X-ray Single Crystal Structure Determination of Macrocylic Aromatic Molecules with Sheet Structures	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL26B1	np
44	2019B1083	Clarification of High Electric Field Effect on the Ferroelectric Phase Transition and Hierarchical Structural Change of Poly(vinylidene Fluoride) Based on the Simultaneous Rapid-scanning Measurement of WAXD/SAXS/transmission FTIR Spectra	Kohji Tashiro	Toyota Technological Institute	Japan	Educational Organization	Materials Science and Engineering	15	BL40XU	np
45	2019B1084	Valance state and local coordination of a new oxyhydride revealed by XAFS	Hiroshi Takatsu	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	4	BL01B1	np
46	2019B1085	Local structural analysis of layered LiVO2 using moderate energy x-ray	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL44B2	np
47	2019B1087	Structural alteration of neurons by aging	Ryuta Mizutani	Tokai University	Japan	Educational Organization	Life Science	15	BL37XU	np
48	2019B1088	Technical development for the generation of P-T in the Kawai-type multianvil apparatus and in-situ X-ray observation on CaSiO3 and MgSiO3 perovskites	Daisuke Yamazaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	14.75	BL04B1	np
49	2019B1089	Investigation of correlation between crystal structure and dielectric properties of titanite-type compounds toward the development of new high-k dielectrics	Hiroki Taniguchi	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	np
50	2019B1091	in-site XAFS analysis for the formation mechanism of non-equilibrium special nano-alloy metal nanoparticles	Kohsuke Mori	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	np
51	2019B1092	New topological phases in non-cleavable materials investigated by SX-ARPES on small fracture-surfaces	Kenta Kuroda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	np
52	2019B1093	Investigation of the role of metal ions in molten states of Coordination Polymers	Satoshi Horike	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL02B2	np
53	2019B1094	Structural analysis of proton conductive amorphous Zn(II) coordination polymers and effects of metal species and ratio of metals to ligands	Satoshi Horike	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B2	np
54	2019B1096	Study on the charge density distribution of Li2TiO3-based lithium-rich cathode materials via synchrotron radiation X-ray diffraction	Zhigang Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL02B2	np
55	2019B1097	Magnetic multipole physics opened by observation of domain-resolved antiferromagnetic electronic structures	Kenta Kuroda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	11.375	BL25SU	np
56	2019B1099	Highly oriented molecular self-assembly using a levitation melting method	Takashi Kajitani	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	9	BL04B2	np
57	2019B1100	Monitoring elementary step of electrochemical sodium insertion and extraction in NaCoO2 by operando spectroscopic measurement	Takeshi Kobayashi	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Chemical Science	11.875	BL27SU	np
58	2019B1103	NRVS of iron enzyme intermediates and model complexes	Edward Solomon	Stanford University	USA	Foreign	Life Science	24	BL19LXU	np
59	2019B1104	Structural analysis of self-assembled polysaccharide foldamers with cancer cell targeting ability by small-angle X-ray scattering	Tomoki Nishimura	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
60	2019B1105	In situ observation of the formation of self-assembled films from amphiphilic graft polymers consist of a crystalline hydrophilic polymer.	Tomoki Nishimura	Kyoto University	Japan	Educational Organization	Chemical Science	2.875	BL40B2	np
61	2019B1106	Crystal structure analysis of novel structure-type of oxide-ion conductors by synchrotron X-ray powder diffraction method	Kotaro Fujii	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
62	2019B1107	Monitoring of complexation reaction in the internal space of high-ionic conducting crystals using powder X-ray diffraction experiments	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	6	BL02B2	np

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63	2019B1108	Monitoring of complexation reaction in the internal space of high-ionic conducting crystals using single-crystal X-ray diffraction experiments	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	2.75	BL02B1	np
64	2019B1110	Time-course of antibody conformational change induced upon antigen binding analyzed using pH-jump and diffracted X-ray tracking methods	Masayuki Oda	Kyoto Prefectural University	Japan	Educational Organization	Life Science	6	BL40XU	np
65	2019B1111	Development of pair distribution function measurement of glass under high-pressure conditions	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	8.875	BL37XU	np
66	2019B1112	Single-crystal structural analysis of encapsulation of guest molecule into supramolecular tube	Shinichiro Kawano	Nagoya University	Japan	Educational Organization	Chemical Science	5.875	BL02B1	np
67	2019B1113	Molecular structure of rigid ring polymers in liquid crystal phase	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	np
68	2019B1114	XAFS Analysis of Bimetallic Alloy Nanoparticles Encapsulated in Hollow Carbon and Investigation of their Particle Growth Process	Yasutaka Kuwahara	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	np
69	2019B1115	Deformation of peridotite under the conditions of deep subducting slab: effects of the olivine-spinel phase transformation kinetics on shear localization	Tomohiro Ohuchi	Ehime University	Japan	Educational Organization	Earth and Planetary Science	11.75	BL04B1	np
70	2019B1119	High-energy resolution fluorescence detection x-ray absorption spectroscopy and resonant x-ray emission spectroscopy of EuNi ₂ (P1-xGex) ₂ : study of electronic structure on competition between valence fluctuation/the Kondo effect and magnetic ordering	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	14.75	BL39XU	np
71	2019B1120	Zero thermal expansion in (Sc,Ti)Fe ₂ magnetic alloys over a wide temperature range	Jun Chen	University of Science & Technology Beijing	China	Foreign	Materials Science and Engineering	9	BL44B2	np
72	2019B1121	Preparation and precise structural analysis of supramolecular hollow materials	Kosuke Katagiri	Konan University	Japan	Educational Organization	Chemical Science	8.875	BL26B1	np
73	2019B1122	Synthesis and identification of the metal polyhydrides with high-Tc at extreme conditions	Yanming Ma	Jilin University	China	Foreign	Materials Science and Engineering	11.75	BL10XU	np
74	2019B1124	Comparative analysis of structural dynamics of flagellar axonemes across distant species studied with X-ray fiber diffraction	Kazuhiro Oiwa	National Institute of Information and Communications Technology	Japan	National and Nonprofit Organization	Life Science	18	BL40XU	np
75	2019B1125	Synchrotron X-ray Single Crystal Structure Determination of Peapod-type Supramolecules	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	2.75	BL26B1	np
76	2019B1126	Microscale distribution and speciation of manure-derived phosphorus in farmland soil	Noriko Yamaguchi	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Environmental Science	6	BL27SU	np
77	2019B1127*	Determination of Phononic Bandgap and Phonon Localization in Epitaxial HfN and HfN/ScN Metal/Semiconductor Superlattice Metamaterials with Inelastic X-ray Scattering	Bivas Saha	Jawaharlal Nehru Centre for Advanced Scientific Research	India	Foreign	Materials Science and Engineering	15	BL35XU	np
78	2019B1128	Understanding the neuro-muscular mechanism underlying ultra-high acceleration movement in the trap jaw ant	Hitoshi Aonuma	Hokkaido University	Japan	Educational Organization	Life Science	11.75	BL40XU	np
79	2019B1129	Facile X-Ray Structural Analysis for Microcrystals of Novel pi-Conjugated Compounds Containing Several Main Group Elements	Takahiro Sasamori	Nagoya City University	Japan	Educational Organization	Chemical Science	6	BL02B1	np
80	2019B1130	Precious crystal structure analysis of transition metal nanosheets having large surface area	Yusuke Sunada	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B1	np
81	2019B1133	Correct determination of the equilibrium phase boundary of the post-garnet transition in the system MgSiO ₃ -Al ₂ O ₃ as a function of temperature based on the definition of chemical equilibrium	Tomoo Katsura	University of Bayreuth	Germany	Foreign	Earth and Planetary Science	6	BL04B1	np

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82	2019B1134	Crystallographic analysis of ultra-porous hydrogen-bonded organic frameworks	Ichiro Hisaki	Hokkaido University	Japan	Educational Organization	Chemical Science	6	BL40XU	np
83	2019B1135	Creation of Periodic and Quasiperiodic Tiling Structures from Tetrablock Terpolymers of the A ₁ BA ₂ C type	Yushu Matsushita	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	np
84	2019B1136	Determination of Fe ³⁺ /Fe ²⁺ ratios of bridgmanite by energy-domain Mössbauer spectroscopy with determination of lattice parameters for understanding defect chemistry in the lower mantle	Tomoo Katsura	University of Bayreuth	Germany	Foreign	Earth and Planetary Science	9	BL10XU	np
85	2019B1138	In-situ anomalous XRD for evaluating structural degree of order in Co based Heusler alloy thin films	Rosantha Kumara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL13XU	np
86	2019B1141	Relation between precipitation of nano-crystals and dielectric properties in amorphous dielectrics	Ichiro Fujii	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	np
87	2019B1142	The research on Ir composition dependence in RuIr-NCs OER catalysts by operando XAS.	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	np
88	2019B1143	Crystal-Structure Analysis on Phase-Controlled Binary Solid-Solution Alloy NPs	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	np
89	2019B1144	Single crystal elasticity of Ta under high temperature and high pressure	Hiroshi Fukui	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	17.875	BL35XU	np
90	2019B1145	Structural analysis of metal oxide mesocrystals	Takashi Tachikawa	Kobe University	Japan	Educational Organization	Materials Science and Engineering	2	BL04B2	np
91	2019B1146	Elucidation of the relationship between the oxygen desorption/absorption property and phase transition for oxygen storage material, SrFe _{1-x} M _x O _{3-δ} (M=Sc, Ti, Cr) using in situ XAFS.	Masatsugu Oishi	Tokushima University	Japan	Educational Organization	Chemical Science	5.75	BL01B1	np
92	2019B1148	Crystal strain analysis of amorphous-mixed high capacity positive electrode materials of next-generation lithium-ion secondary batteries by pair distribution analysis.	Masatsugu Oishi	Tokushima University	Japan	Educational Organization	Chemical Science	6	BL04B2	np
93	2019B1149	Simultaneous analysis of the structure and electron state in multi-metal protein complex by X-ray fluorescence holography	Yasufumi Umena	Okayama University	Japan	Educational Organization	Life Science	8.75	BL39XU	np
94	2019B1150	Anisotropic particle arrangements and fracture processes responsible for the memory effect of paste II	So Kitsunezaki	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL20B2	np
95	2019B1151	Structural Analysis of the Mn ₄ Ca-cluster in Photosystem II with X-ray Fluorescence Holography	Yasufumi Umena	Okayama University	Japan	Educational Organization	Life Science	18	BL39XU	np
96	2019B1152	Structural changes of cardiac muscle regulatory proteins C1C2 induced by phosphorylation and calcium ions	Tatsuhito Matsuo	National Institutes for Quantum and Radiological Science and Technology	Japan	National and Nonprofit Organization	Life Science	3	BL40B2	np
97	2019B1153	Orientation-degree dependence of coercivity and magnetic domain change in SrO · Fe ₂ O ₃ Ferrite magnets	Yutaka Matsuura	Research Institute for Applied Sciences	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.875	BL25SU	np
98	2019B1156	L ₃ -edge XAFS analysis for noble-metal-supported Al ₂ O ₃ -based catalysts effective for automotive emission control	Takashi Toyao	Hokkaido University	Japan	Educational Organization	Industrial Applications	6	BL27SU	np
99	2019B1158	Infrared magneto-optical spectroscopy on pyrochlore iridates	Kentaro Ueda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	8.875	BL43IR	np
100	2019B1159	Photoelectrochemical property of metal-doped bipyridine linked covalent organic frameworks	Kazuhide Kamiya	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	np
101	2019B1160	A role for GRK2 in the development of right ventricular failure in pulmonary arterial hypertension	Mark Waddingham	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	12	BL40XU	np

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102	2019B1164	Quantitative elucidation of emphysema development and progression using a high-resolution wide-field synchrotron radiation micro-CT	Noboru Niki	Tokushima University	Japan	Educational Organization	Medical Applications	12	BL20B2	np
103	2019B1165	Investigating site- and depth-specific electronic structure in strongly spin-orbit-coupled LaMnO ₃ /SrIrO ₃ superlattices by standing-wave hard x-ray photoemission spectroscopy	Yujun Zhang	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	15	BL09XU	np
104	2019B1166	Direct observation of a topochemical redox reaction via time resolved diffraction technique	Takafumi Yamamoto	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	9	BL02B2	np
105	2019B1168	Crystal structure analysis of small crystals of methane oxidation catalysts based on μ -nitrido-bridged iron phthalocyanine dimer	Yasuyuki Yamada	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	np
106	2019B1169	Electronic structure of heavy fermion compound CeRhIn ₅ studied by Compton scattering experiment	Akihisa Koizumi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	29.875	BL08W	np
107	2019B1170	Archaeometrical verification of primary glass production in ancient and medieval Central Asia using nondestructive high-energy synchrotron radiation X-ray fluorescence analysis	Yoshinari Abe	Tokyo University of Science	Japan	Educational Organization	Other	6	BL08W	np
108	2019B1173	Direct observation of skyrmion strings using X-ray magnetic tomography	Shinichiro Seki	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL39XU	np
109	2019B1174	Chemical bonding structure analysis of amorphous carbon nitride and amorphous carbon under visible light illumination using synchrotron radiation infrared rays	Masami Aono	Kagoshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL43IR	np
110	2019B1175	Anneal effect on band structures of non-polar wurtzite Fe doped AlN films	Saki Imada	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL27SU	np
111	2019B1176	Native structure of the lignin in wood cell wall: an analysis with the "white wood"	Tomoya Imai	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
112	2019B1177*	Liquid-liquid interfacial structure governing an extraction behavior of platinum group metal ions	Ryuhei Motokawa	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	8.75	BL37XU	np
113	2019B1179	Preparation of block copolymer thin films with n-type semiconductor side chain and evaluation of its molecular aggregation state	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	5.875	BL40B2	np
114	2019B1181	Development of visualization methodology of pinning magnetic domain by Persistent Homology	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	11.875	BL17SU	np
115	2019B1185	Real-time observations of the accelerated growth of (Cu,Ni) ₆ Sn ₅ on Cu-xNi current collectors: a one-step fabrication method for lithium-ion battery anodes	Kazuhiro Nogita	The University of Queensland	Australia	Foreign	Materials Science and Engineering	9	BL20XU	np
116	2019B1187	Time-resolved X-ray diffraction of interfacial structure induced by pulse-laser irradiation	Masashi Nakamura	Chiba University	Japan	Educational Organization	Chemical Science	12	BL13XU	np
117	2019B1188	In situ XAFS-DRIFT analysis of copper zeolite under methane oxidation reaction	Junya Ohyama	Kumamoto University	Japan	Educational Organization	Chemical Science	8.875	BL01B1	np
118	2019B1191	Spontaneous multilayer formation at liquid/liquid interface coupled with aggregate formation in bulk solution	Takanori Takiue	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	np
119	2019B1193	Functionalization of C-H bonds by transition metal-catalyzed electrolysis and micron-sized single crystal X-ray structure analysis of metal complex intermediates	Keishiro Tahara	University of Hyogo	Japan	Educational Organization	Chemical Science	3	BL02B1	np
120	2019B1194	Phase transition mechanism of (Bi _{0.5} Na _{0.5})TiO ₃	Yasuhiro Yoneda	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL04B2	np
121	2019B1195	Effect of chemical pressure applied by elemental substitution for SbSe ₂ -based layered compounds	Yosuke Goto	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np

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122	2019B1196	Electric-field driven ultrafast antiferromagnetic domain dynamics based on XMCD imaging using scanning XMCD microscope	Yu Shiratsuchi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	np
123	2019B1198	X-ray Scattering for Characterizing Nano-Confined Model Lubricants	Kazue Kurihara	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	17.25	BL40B2	np
124	2019B1199	Possibility for Multi Atom Resonance X-ray Raman Spectroscopy	Kiyotaka Asakura	Hokkaido University	Japan	Educational Organization	Chemical Science	8.75	BL39XU	np
125	2019B1200	Measurements of conformational changes of proteins in a single molecule with white X-ray	Hirofumi Shimizu	University of Fukui	Japan	Educational Organization	Life Science	17.875	BL28B2	np
126	2019B1201	Spatial resolved phase transformation between SrCoO _{2.5} and SrCoO _{3-x}	Pu Yu	Tsinghua University	China	Foreign	Materials Science and Engineering	9	BL17SU	np
127	2019B1203	Synthesis of rare earth superhydrides at high pressure-high temperature conditions	Nilesh Salke	Center for High Pressure Science & Technology Advanced Research	China	Foreign	Materials Science and Engineering	8.875	BL10XU	np
128	2019B1204	X-ray fluorescence holography measurements on clathrate compound Eu ₈ Ga ₁₆ Ge ₃₀ with a rattling motion of an Eu ion	Masanori Inui	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	np
129	2019B1205	Inelastic x-ray scattering measurements for amorphous As ₂ Se ₃ focusing on the dynamical cross-over at small angles	Masanori Inui	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	18	BL35XU	np
130	2019B1207	Structural Analysis of the Regular Polyhedral Micelles and Construction of Controlling Technique of their Aggregation Behavior	Kazuo Sakurai	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	8.875	BL40B2	np
131	2019B1208	Interpretation of composition-dependent electrochemical catalytic activity of alloy subnano- clusters by in situ EXAFS study	Akiyoshi Kuzume	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	9	BL01B1	np
132	2019B1209	In situ observation of magma fracturing with X-ray scattering analysis	Satoshi Okumura	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	9	BL20XU	np
133	2019B1210	Structure and mechanical property relationship of poly(fumarate)s possessing unusually strong beta relaxation	Yasuhito Suzuki	Osaka Prefecture University	Japan	Educational Organization	Chemical Science	3	BL40B2	np
134	2019B1211	Origin of perpendicular magnetization of Tb-Co by the temperature dependence magnetic Compton scattering	Akane Agui	National Institutes for Quantum and Radiological Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.75	BL08W	np
135	2019B1213	Electronic structure study of LaCoO ₃ with soft x-ray angle-resolved photoemission spectroscopy	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	np
136	2019B1215	Integrated spectroscopic and isotopic techniques gives a dynamic view of Mg cycling in soils	Toshihiro Yoshimura	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Environmental Science	6	BL27SU	np
137	2019B1216	Nondestructive elemental and chemical state imaging of oil paintings by synchrotron radiation X-ray absorption edge subtraction method and its availability for preservation and restoration of paintings	Yoshinari Abe	Tokyo University of Science	Japan	Educational Organization	Other	9	BL20B2	np
138	2019B1219	Mid-infrared magneto optical spectroscopy of topological semimetal Nd ₂ Ir ₂ O ₇	Jun Fujioka	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	9	BL43IR	np
139	2019B1221	Development of a Hard X-ray Telescope for a Balloon X-ray Polarimetry XL-Calibur	Yoshitomo Maeda	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Elementary Particles, Nuclear Science	9	BL20B2	np
140	2019B1222	Study of topological vortex domains in strongly correlated transition-metal compounds by means of XMLD/XMCD-PEEM	Takashi Mizokawa	Waseda University	Japan	Educational Organization	Materials Science and Engineering	9	BL17SU	np
141	2019B1226	Crystallization and liquid crystallization of ionic liquid crystals in nanopores	Koji Fukao	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
142	2019B1227	Analysis for Ionic Transport Mecanism of Polymer / Inorganic Hybrid Electrolytes toward High-Performance All-Solid-Batteries	Shiro Seki	Kogakuin University	Japan	Educational Organization	Chemical Science	12	BL04B2	np
143	2019B1229	Elucidation of co-catalytic function of Ni nanoparticle loaded on photo-catalysts surface using resonant hard x-ray photoelectron spectroscopy and absorption spectroscopy	Eiji Ikenaga	Nagoya University	Japan	Educational Organization	Chemical Science	12	BL09XU	np
144	2019B1230	Refinement of bulk modulus and its pressure derivative by considerable improvement of denseness in the data on compression curves	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL10XU	np
145	2019B1231	The effect of uniaxial stress on the transition pressure in the displacive-type structural phase transitions	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Earth and Planetary Science	11.625	BL04B2	np
146	2019B1232	Investigation of chondrule formation process using 4D in situ observation of heating-melting-recrystallization process	Masayuki Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	12	BL20XU	np
147	2019B1233*	Structural analysis of lithium borate glasses containing halide ions	Yasuyuki Takimoto	AGC Inc.	Japan	Industry	Materials Science and Engineering	5.625	BL04B2	np
148	2019B1235	Time-resolved X-ray microdiffraction studies on sub-nanosecond phase transition dynamics in BiFeO3 from monoclinic to super-tetragonal phase	ChiYong Cho	Gwangju Institute of Science & Technology	Korea	Foreign	Materials Science and Engineering	17.375	BL13XU	np
149	2019B1237	High energy resolution XAS measurement for hydrogen production through ethanol reforming catalyzed by Pt-Ir/ α -MoC in high energy region	Ding Ma	Peking University	China	Foreign	Chemical Science	12	BL39XU	np
150	2019B1240	Equation of state for ice VIII at extreme low temperature	Hiroshi Fukui	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	np
151	2019B1241	Investigation of deformation process of chondrules in meteorites by impact using high energy x-ray CT	Masayuki Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	3	BL28B2	np
152	2019B1242	Studying Crystal Structure of Solid Hydrogen Phase V at Room Temperature using Fine-focus High Energy X-ray Probe at BL10XU	Cheng Ji	Center for High Pressure Science & Technology Advanced Research	China	Foreign	Other	6	BL10XU	np
153	2019B1245	Influence of the elasticity of titin and crossbridge attachment on the increased force by residual force enhancement	Atsuki Fukutani	Ritsumeikan University	Japan	Educational Organization	Life Science	9	BL40B2	np
154	2019B1247	Field induced charge ordered state in SmRu4P12 probed by XMCD and resonant x-ray scattering	Takeshi Matsumura	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	5.625	BL39XU	np
155	2019B1248	Optimization of the channel structure of VO2 devices based on depth profiling	Hiroshi Kumigashira	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	14.875	BL47XU	np
156	2019B1249*	Investigation on mechanism of high capacity in metal-deficient manganese-based layered oxide by local structure analysis	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Chemical Science	9	BL04B2	np
157	2019B1251	Structural determination and observation of structural phase transitions in novel lithium niobate-type fluorides	Hirofumi Akamatsu	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
158	2019B1253	Reaction kinetics between H2O and Fe at high pressures and temperatures	Masayuki Nishi	Ehime University	Japan	Educational Organization	Earth and Planetary Science	5.875	BL10XU	np
159	2019B1255	Quality in Fe/Si with sublayer of Fe for spintronic applications probed by X-ray Microdiffraction	Saeed Kamali-Moghaddam	University of Tennessee Space Institute	USA	Foreign	Materials Science and Engineering	12	BL13XU	np
160	2019B1258	Ferromagnetism appeared in (100) Pt ultrathin films and magnetic anisotropy	Tetsuya Sato	Keio University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	np
161	2019B1263	Structural analyses on the active metal-ion species within zeolite pore capable of irreversible adsorption of NO even at 150 °C	Akira Oda	Nagoya University	Japan	Educational Organization	Chemical Science	5.875	BL01B1	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
162	2019B1266	Evaluating room-temperature perpendicular magnetic anisotropy in spinel oxide thin films by synchrotron XMCD	Daisuke Kan	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	np
163	2019B1267	Research of high-pressure bcc phase of titanium at ultra-high pressure	Yuichi Akahama	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	np
164	2019B1269	Lung evolution in osteichthyans: insights from synchrotron phasecontrast microtomography	Camila Cupello	UNIVERSIDADE DO ESTADO DO RIO DE JANEIRO	Brazil	Foreign	Life Science	6	BL20B2	np
165	2019B1271	Catalytic CO oxidation of Pt nanoparticles on CeO2 nanocrystals with the cube and octahedral shape: Effect of the Pt NPs-CeO2 interface	Osami Sakata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL01B1	np
166	2019B1272	Structural Analysis of Switchable Metal Complexes Exhibiting External-field Induced Phase Transition	Osamu Sato	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	8.75	BL02B1	np
167	2019B1273	Temperature dependence of phonon dispersion in lead halide perovskites solar cells	Youichi Murakami	High Energy Accelerator Research Organization	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.5	BL35XU	np
168	2019B1274	Measurement of X-ray imaging profiles for realization of next generation hard X-ray telescopes with high angular resolution	Hironori Matsumoto	Osaka University	Japan	Educational Organization	Other	8.75	BL20B2	np
169	2019B1278	Thermal stability and redispersion of PdRuIr NPs on the supported oxide under exhausted gas condition using the dispersive XAFS measurement	Osami Sakata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL28B2	np
170	2019B1279	Development of analytical method for elucidating distribution of drugs in mixed power	Yasuo Seto	RIKEN	Japan	National and Nonprofit Organization	Other	25.875	BL43IR	np
171	2019B1280	Curious interfacial phenomenon of DNA-functionalized nanoparticles and application to nanobiosensing materials	Masahiro Fujita	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40B2	np
172	2019B1282	Study on Charge/Discharge Mechanisms of K ₆ (VO) ₂ (V ₂ O ₃) ₂ (PO ₄) ₄ P ₂ O ₇ and KFePO ₄ F as a Electrode Material for Rechargeable Potassium-Ion Batteries by Synchrotron X-Ray Diffraction	Kei Kubota	Tokyo University of Science	Japan	Educational Organization	Chemical Science	3	BL02B2	np
173	2019B1283	The promotion effect of the hydration and electric field for the skin permeation.	Hiromitsu Nakazawa	Kwansei Gakuin University	Japan	Educational Organization	Life Science	6	BL40B2	np
174	2019B1284	Visualization for morphology inside all-solid-state batteries during nail penetration test	Yuki Oriasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	9	BL28B2	np
175	2019B1286	Evaluation of phonon density of mass for sintered polycrystalline SiGeSn	Yousuke Shimura	Shizuoka University	Japan	Educational Organization	Materials Science and Engineering	6	BL35XU	np
176	2019B1287	Deformation behavior of hcp-iron alloys under high pressure and high temperature	Binbin Yue	Center for High Pressure Science & Technology Advanced Research	China	Foreign	Earth and Planetary Science	9	BL10XU	np
177	2019B1289	Quick DAFS study on Nonequilibrium Reaction Mechanism of in Lithium-ion battery cathode LiFePO ₄	Yuki Oriasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	5.75	BL37XU	np
178	2019B1290	Structural dynamics on breathing mode of switchable metal-organic frameworks	Hideki Tanaka	Shinshu University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	np
179	2019B1291	Study of the oxygen-ion mobility in complex metal-oxide materials prepared by structure-preserving methods	Midori Amano-Patino	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	np
180	2019B1294	Direct single molecule observations of allosteric transitions using photon-induced type diffracted X-ray tracking (DXT)	Yuji Sasaki	The University of Tokyo	Japan	Educational Organization	Life Science	17.875	BL40XU	np
181	2019B1295	Operando XAFS study on aluminum-ion battery cathode	Yuki Oriasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL01B1	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
182	2019B1296	Structural determination of adsorption processes of porous coordination polymers exhibiting gas gate-opening behaviors	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL02B2	np
183	2019B1298	Kinetic analysis on formation and stability of cluster solution during crystallization and hcp-LPSO transition in MgYCu and MgYNi alloys examined by in-situ DSC-SWAXS	Hiroshi Okuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL40B2	np
184	2019B1299	Microscopic origin of the viscosity divergence toward the liquid-glass transition	Makoto Seto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	21	BL09XU	np
185	2019B1301	Verification of electrical activation enhancement of As doped in Si by co-implantation of As and B	Kazuo Tsutsui	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	np
186	2019B1303	Development of 200keV high-energy and high-resolution X-ray microtomography with sub-micron effective pixel(voxel) size	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	12	BL28B2	np
187	2019B1304	Development of High Dynamic Range (HDR) X-ray phase tomography	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Medical Applications	11.75	BL20B2	np
188	2019B1305	Sound velocity and density measurements of Martian mantle lithologies at high pressure and high temperature	Daniele Antonangeli	Centre National de la Recherche Scientifique	France	Foreign	Earth and Planetary Science	11.75	BL04B1	np
189	2019B1308	SR- μ -XRF/XANES/XRD investigation of water-insoluble radioactive microparticles emitted by Fukushima Nuclear Accident for proposing an efficient decontamination technique of contaminated soils	Yoshinari Abe	Tokyo University of Science	Japan	Educational Organization	Environmental Science	12	BL37XU	np
190	2019B1309	Rheology of the Earth's inner core revealed by ultra-high pressure deformation experiments combined with synchrotron X-ray laminography and X-ray diffraction measurements	Ryuichi Nomura	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	12	BL47XU	np
191	2019B1312	Diffraction X-ray Tracking method to acquire the internal motion of single molecules and cellular activity simultaneously in <i>C. elegans</i>	Masahiro Kuramochi	The University of Tokyo	Japan	Educational Organization	Life Science	11.875	BL40XU	np
192	2019B1313	Reaction mechanism studies of sodium batteries using porous polyoxometalate compounds as cathode active materials	Hirofumi Yoshikawa	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	9	BL01B1	np
193	2019B1314	Local structure analysis of multiferroic perovskite manganites in the vicinity of electronic phase boundary by X-ray fluorescence holography	Toru Asaka	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	8.875	BL13XU	np
194	2019B1317	Imaging Hierarchical Structures of Bi Ultra-Thin Film using Coherent X-ray Scattering	Hiroo Tajiri	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL13XU	np
195	2019B1318	Study on density fluctuations during early stages of crystallization for polypropylene	Takashi Konishi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
196	2019B1319	X-ray magnetic circular dichroism (XMCD) in various self-assembled chiral-nanostructured inorganic films	Shunai Che	Shanghai Jiao Tong University	China	Foreign	Materials Science and Engineering	9	BL25SU	np
197	2019B1321	Demonstration of sensitivity enhanced X-ray phase imaging	Atsushi Momose	Tohoku University	Japan	Educational Organization	Beamline Engineering	9	BL20XU	np
198	2019B1323	High Pressure and Temperature IXS study on the sound velocity of the iron-nickel-light elements alloys and application to heterogeneities of the inner core	Eiji Ohtani	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	21	BL35XU	np
199	2019B1324	Local structure transformation during the 3D to 2D transition upon crystallization of amorphous MoTe ₂	Paul Fons	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.75	BL01B1	np
200	2019B1325	Structural analysis of the zeolite-immobilized palladium catalyst with high activity for carbon-carbon bond formation reaction by XAFS	Kazu Okumura	Kogakuin University	Japan	Educational Organization	Chemical Science	3	BL01B1	np
201	2019B1327	Effects of γ -ray irradiation on structural and mechanical properties of polyolefins	Hiroki Takeshita	University of Shiga Prefecture	Japan	Educational Organization	Materials Science and Engineering	12	BL05XU	np

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202	2019B1329*	Phase diagram of Fe-H system: solubility of hydrogen in hcp-iron	Sho Kakizawa	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	5.75	BL04B1	np
203	2019B1330	Viscosity of subducting slabs: in situ deformation experiments of ringwoodite at high pressure and high temperature	Takaaki Kawazoe	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	11.75	BL04B1	np
204	2019B1331	XAFS analysis of an Al ₂ O ₃ nano-layer inserted at solid-electrolyte/cathode interface in a thin-film solid-state Li battery	Tetsuro Shirasawa	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	3	BL27SU	np
205	2019B1332	Structural analyses of the Ruddlesden-popper type perovskite oxide Li ₂ SrNb ₂ O ₇ in which a ferroelectric and an antiferroelectric order are competing using synchrotron single crystal X-ray diffraction measurements.	Akitoshi Nakano	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	np
206	2019B1333	Investigation of Ir magnetism in Sr ₂ IrO ₄ /SrTiO ₃ superlattices by hard x-ray magnetic circular dichroism	Yujun Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	14.75	BL39XU	np
207	2019B1334	Structural analysis of polymer micelles consisting of amphiphilic comb-like polymers with the cyclic main chain	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	5.75	BL40B2	np
208	2019B1335	Simultaneous Analyses of Dynamics of 2 Different Nanocrystals Included in Polymer Gels by Using Diffracted X-ray Tracking Method	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	3	BL40XU	np
209	2019B1338	Determination on the redox conditions of fault materials during earthquakes	Ryoichi Nakada	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	15	BL27SU	np
210	2019B1339	Continuous 3D observation of changes in the inner structure of arabidopsis seeds using their mutants	Daisuke Yamauchi	University of Hyogo	Japan	Educational Organization	Life Science	6	BL20B2	np
211	2019B1341	Soft X-ray synchrotron radiation ARPES study of Heusler-type Weyl ferromagnetic alloys	Akio Kimura	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	18	BL25SU	np
212	2019B1342	Study on magnetic characteristics in an artificial magnets fabricated on a ferroelectric substrate	Akinobu Yamaguchi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	18	BL17SU	np
213	2019B1344	High-resolution analysis of ciliary axonemes by X-ray fiber diffraction of ctenophore comb plate	Kazuo Inaba	University of Tsukuba	Japan	Educational Organization	Life Science	15	BL05XU	np
214	2019B1345	Reciprocal space mapping of the phonon anomalies in superconducting YBa ₂ Cu ₃ O _{6.55}	Sofia Michaela Souliou	Karlsruhe Institute of Technology	Germany	Foreign	Materials Science and Engineering	17.875	BL35XU	np
215	2019B1347	Clarification of spike-shaped thermogram of pi-conjugated supermolecule during heating using synchrotron X-ray measurements	Hiroki Uehara	Gunma University	Japan	Educational Organization	Materials Science and Engineering	12	BL40XU	np
216	2019B1348	Visualization for dynamic structure inside batteries under over charging state	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Industrial Applications	8.75	BL28B2	np
217	2019B1350	Investigation of the structure in the liquid (Au/Al)-based glassforming alloys	Dmitri Louzguine	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	np
218	2019B1352	Determination of crystal structure of highly ordered Fe-Al intermetallic compounds	Haruyuki Inui	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL02B1	np
219	2019B1353	In situ X-ray diffraction studies of insect flight muscle in insect during flight in ascending and descending and thermogenesis	Madoka Suzuki	Osaka University	Japan	Educational Organization	Life Science	12	BL40XU	np
220	2019B1357	Study on the precise control of porous structure in polymers	Takahiko Kawai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	6	BL05XU	np
221	2019B1358	Deformation behavior of ultrafine nano-polycrystalline diamond under high stress III	Hitoshi Sumiya	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL10XU	np

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222	2019B1359	Verification of valence transition of new Ce compound by Ce L α X-ray emission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	11.75	BL39XU	np
223	2019B1362	Structure Analysis for Gas Separation Graphene Membrane	Daisuke Yamaguchi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	2	BL02B2	np
224	2019B1363	Operando X-ray Absorption Study on Effective Diffusion Coefficient in All-solid-state Rechargeable Battery	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL37XU	np
225	2019B1364	Simultaneous measurement of Sound velocity and structure of borosilicate glass melt under high-pressure and high-temperature	Akihiro Yamada	University of Shiga Prefecture	Japan	Educational Organization	Materials Science and Engineering	11.875	BL04B1	np
226	2019B1365	X-ray fiber diffraction of microtubules: Rapid changes of tubulin dimer configuration induced by microtubule stabilizers	Shinji Kamimura	Chuo University	Japan	Educational Organization	Life Science	6	BL05XU	np
227	2019B1366	High-resolution observation of magnetization process in grain boundary diffusion processed Nd-Fe-B sintered magnets by soft X-ray MCD image reconstruction	Hiroyuki Ohsumi	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL25SU	np
228	2019B1367	Nitrogen cycle and evolution on Mars revealed by speciation and isotope analyses	Mizuho Koike	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	14.75	BL27SU	np
229	2019B1369	Demonstration of an ultra-compact cosmic hard X-ray imaging polarimeter using a combination of a fine-pixel CMOS sensor and a coded aperture mask	Hirokazu Odaka	The University of Tokyo	Japan	Educational Organization	Elementary Particles, Nuclear Science	6	BL20B2	np
230	2019B1370	Role of excess Fe atoms in FeSe _{0.4} Te _{0.6} at superconducting temperature	Shinya Hosokawa	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	11.75	BL39XU	np
231	2019B1371	Development of Compton scattering imaging by energy dispersive CdTe 2D detector	Naruki Tsuji	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	9	BL08W	np
232	2019B1372	In situ observation of the states and adsorption properties of ions exchanged in zeolites through the measurement of far-infrared spectra with the aid of synchrotron radiation apparatus and its establishment for the in-situ analysis method - 3 -	Yasushige Kuroda	Okayama University	Japan	Educational Organization	Chemical Science	6	BL43IR	np
233	2019B1373	In-situ analysis for solubility and precipitation of alloying elements under high pressure in age-hardenable aluminum alloys	Takahiro Masuda	Yokohama National University	Japan	Educational Organization	Materials Science and Engineering	9	BL04B1	np
234	2019B1375	Micellar Structure and Higher-Order Structure of the Flower Micelle and Flower Necklace Formed by Amphiphilic Random and Alternating Copolymers in Aqueous Solution	Takahiro Sato	Osaka University	Japan	Educational Organization	Chemical Science	3	BL40B2	np
235	2019B1380	Investigation of molecular structure of novel platinum dimer complexes based on dithiocarboxylic acid with coordination site	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL02B1	np
236	2019B1381	3D-imaging investigation of the flattened fossils: virtual anatomy of Anchiornis and basal avialan dinosaurs	Martin Kundrat	Pavol Jozef Safarik University	Slovakia	Foreign	Life Science	14.875	BL28B2	np
237	2019B1382	Relative roles of NADPH oxidase and monoamine oxidase A pathways in accelerated vascular aging in senescent prone mice	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	15	BL20B2	np
238	2019B1383	Research on electron velocity function measurement at the interaction region of laser machining point in high aspect laser drilling	Hitoki Yoneda	The University of Electro-Communications	Japan	Educational Organization	Industrial Applications	8.75	BL08W	np
239	2019B1384	Observation of ferroelectric-to-paraelectric phase transitions in layered perovskite improper ferroelectrics	Koji Fujita	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
240	2019B1385	Crystal site-selective polarized Mössbauer diffraction spectroscopy using mobile type nuclear Bragg monochromator	Kosuke Fujiwara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL09XU	np
241	2019B1386	Reduction-behavior analysis of cationic Ni species on Au nanoparticles by XAFS	Hiroki Miura	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	np

2019B, Performed General Proposals

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
242	2019B1387	Investigation of structural phase transitions of cocrystals composed of 2-pyrrolidone and anilic acid derivatives with intermolecular hydrogen transfer ability	Kazuya Otsubo	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.5	BL02B2	np
243	2019B1388	X-ray fluorescence holography study of lead-free ferroelectric BCZT	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	np
244	2019B1389	Effect of intermittent rest during low-intensity vibratory stimulation on fragility fracture healing	Takeshi Matsumoto	Tokushima University	Japan	Educational Organization	Medical Applications	9	BL20B2	np
245	2019B1391	Elucidation of Inclusion of Linear Polymer By Cyclic Peptide by using Small-angle X-ray Scattering	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	np
246	2019B1392	Observation of bandstructure of atomic-layer superstructures with micro-ARPES	Ryo Kitaura	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL25SU	np
247	2019B1393	Phonon excitations and seeds of the synchronized long-period stacking ordered structures in amorphous Mg85Zn6Y9 alloy	Shinya Hosokawa	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	14.625	BL35XU	np
248	2019B1394	Structure analysis of Fe-Ru cocatalyst for efficient photocatalytic water splitting under visible light irradiation	Hajime Suzuki	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL01B1	np
249	2019B1396	Structural analysis of an alternation layer on nuclear waste glasses	Takahiro Ohkubo	Chiba University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	np
250	2019B1397	Talbot phase contrast X-ray micro-tomography for dopaminergic neuron visualization in mouse whole brain with immunostaining	Haruo Mizutani	RIKEN	Japan	National and Nonprofit Organization	Life Science	9	BL20B2	np
251	2019B1398	Real-space visualization of the behavior of contractile proteins in insect flight muscle during shortening	Hiroyuki Iwamoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	9	BL40XU	np
252	2019B1399	Specification of critical pore-formation dominating fatigue fracture of PIM Ti-6%Al-4%V alloy by topological analysis of four-dimensional CT observation	Yukiko Ozaki	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	np
253	2019B1400	X-ray interference measurements of the meridional reflections of insect flight muscle	Hiroyuki Iwamoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	6	BL05XU	np
254	2019B1401	High Energy X-ray Total Scattering Analysis of Non-crystalline Multivalent-ion Battery Cathode	Yuki Oriasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL04B2	np
255	2019B1402	Precise Crystal Structure Analysis of Silver Nanocluster and Silver Alloy Nanocluster	Tatsuhiko Kojima	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	np
256	2019B1403	Non-ideal mixing behavior of elastic properties of liquid Fe-Ni-S-Si: Constraints on Mercury core composition	Hidenori Terasaki	Osaka University	Japan	Educational Organization	Earth and Planetary Science	11.875	BL04B1	np
257	2019B1404	Development of x-ray nanotomography at 37.7keV	Akihisa Takeuchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL20XU	np
258	2019B1405	Elucidation of Molecular Aggregates Formed by Multi-Branched and Double Chained Surfactants with Polyoxyethylene Chain and Sulfonic Acid	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL40B2	np
259	2019B1406	Development of sub-100 nm three-dimensional imaging using multiscale CT	Akihisa Takeuchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	12	BL47XU	np
260	2019B1411	Synthesis of novel van der Waals (vdW) ferromagnetic materials at high pressure-high temperature	Resta Susilo	Center for High Pressure Science & Technology Advanced Research	China	Foreign	Materials Science and Engineering	3	BL04B1	np
261	2019B1413*	Structural analyses of slags by the complementarity use of quantum beam experiments	Yohei Onodera	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
262	2019B1414	Probing the bulk electronic and magnetic character of the ferromagnetic ground state of the quantum Hall insulator V:(Bi,Sb)2Te3 by magnetic circular dichroism in hard X-ray photoemission spectroscopy	Thiago Peixoto	Wuerzburg University	Germany	Foreign	Materials Science and Engineering	14.75	BL09XU	np
263	2019B1415	Anomalous Thermal Expansion in [CuX (4,4 '-bpy)] (X =Cl, Br, I), Ca2Zr(C2O4)4, CdZrSr(C2O4)4 and In(C2O4)4 Studied by a Combination of High Resolution XRD and XPDF	Kun Lin	University of Science & Technology Beijing	China	Foreign	Chemical Science	9	BL44B2	np
264	2019B1416	Application of the synchrotron X-ray μ CT technique to dinosaur and bird eggs: construction of precise three-dimensional egg models to examine physical egg strength against external stress	Takuya Imai	Fukui Prefectural University	Japan	Educational Organization	Life Science	9	BL28B2	np
265	2019B1417	Investigation of the magnetization process in antiferromagnetic materials by the spin torque and high magnetic field	Takahiro Moriyama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL17SU	np
266	2019B1418	Phonon softening in the charge-density-wave phases of 1T-TaS2	Sanjoy Kr Mahatha	Deutsches Elektronen-Synchrotron	Germany	Foreign	Materials Science and Engineering	17.375	BL35XU	np
267	2019B1419	Stereo-live imaging of prey capture and feeding processes using jaws by aquatic and land vertebrates and their ancestors	Kohei Hatta	University of Hyogo	Japan	Educational Organization	Life Science	12	BL20B2	np
268	2019B1420	Structure-magnetism relationship in novel layered cobalt oxides	Ikuya Yamada	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
269	2019B1421	High-resolution micro-nanoCT analysis of nervous system after specific ablation of brain nuclei by irradiation with infra-red laser	Kohei Hatta	University of Hyogo	Japan	Educational Organization	Life Science	9	BL47XU	np
270	2019B1422*	Sulfur Cross-link Structure analysis of polymer composites by micro Beam X-ray.	Fusae Kaneko	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	18	BL27SU	np
271	2019B1423	Pressure-Temperature phase diagram of Mg85Zn6Y9 alloy and pressure effect on Millefeille structure materials	Masafumi Matsushita	Ehime University	Japan	Educational Organization	Materials Science and Engineering	4.75	BL04B1	np
272	2019B1425	Effect of Temperature on Aggregation Behavior of Homogeneous Alkoxy-Polyoxyethylene Type Nonionic Surfactants with Environment-Friendly	Shiho Yada	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
273	2019B1426	μ CT of rat femurs during development	Shino Takeda	National Institutes for Quantum and Radiological Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	5.875	BL20B2	np
274	2019B1430	Elucidation of effect of preparation process on the crystallization of zeolite using in-situ high-energy total X-ray scattering technique	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Chemical Science	15	BL08W	np
275	2019B1433	Local structure analysis of LPSO-Mg alloy by X-ray absorption spectroscopy	Maiko Nishibori	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL37XU	np
276	2019B1435	XAFS studies on the active structure and reaction mechanism over Mo-Pd/SiO2 catalyst in hydrogenation of succinic acid	Kazu Okumura	Kogakuin University	Japan	Educational Organization	Chemical Science	6	BL01B1	np
277	2019B1436	Sound velocity measurements on subducted oceanic crust materials at the pressure and temperature conditions of the mantle extended transition zone	Steeve Greaux	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	np
278	2019B1437	Infrared study of Dirac electrons in bismuth at high magnetic fields	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Materials Science and Engineering	9	BL43IR	np
279	2019B1438	Life and death of single Pt atom alloy in oxygen reduction reaction	Feng Ryan Wang	University College London	UK	Foreign	Chemical Science	11.625	BL01B1	np
280	2019B1439	Elucidation of solidification cracking mechanism during arc welding by X-ray imaging and temperature measurement	Tomoya Nagira	Osaka University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	np
281	2019B1440	Quantum valence phase transition and 4f-5d Coulomb interaction in the quantum critical material Yb(Al _{1-x} Fe _x)B4	Hidenori Fujiwara	Osaka University	Japan	Educational Organization	Materials Science and Engineering	15	BL09XU	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
282	2019B1441	Reaction distribution in model film cathodes in all solid state lithium ion batteries investigated by operando depth-resolved soft X-ray absorption spectroscopy.	Takashi Nakamura	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL27SU	np
283	2019B1442	Elucidation of microscopic mechanism of stress concentration and fracture of rubber by quasielastic gamma-ray scattering.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	21	BL09XU	np
284	2019B1445	Fetal Origins of Hepatocellular Carcinoma(FOHCC) : Maternal Nutrition-induced Portosystemic Shunt evaluated by Synchrotron CT imaging	Yumi Takiyama	Asahikawa Medical University	Japan	Educational Organization	Medical Applications	12	BL20B2	np
285	2019B1450	Investigation of charge compensation mechanism during oxygen release in next-generation battery materials	Takashi Nakamura	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL27SU	np
286	2019B1452	Formation of Photoresponsive Ion-Pairing Assemblies Providing Electronic Materials	Hiroimitsu Maeda	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
287	2019B1454	MicroARPES study on layered transition metal nitride TiNCl	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	np
288	2019B1455	Phonon response to the double-Q magnetic order in iron pnictides	Yu Song	University of California, Berkeley	USA	Foreign	Materials Science and Engineering	17.625	BL35XU	np
289	2019B1459	Development of scanning X-ray phase imaging by using multi-focus 2D compound refractive lens	Katsumasa Ikematsu	Tohoku University	Japan	Educational Organization	Beamline Engineering	9	BL20XU	np
290	2019B1462	Development on sourcing obsidian artifacts by detailed observation of trace heavy elements	Mitunori Ooya	Saitama Cultural Deposits Research Corporation	Japan	National and Nonprofit Organization	Other	6	BL08W	np
291	2019B1464	Structure analysis of metal oxide encapsulated metal clusters	Jun Hirayama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	np
292	2019B1465	Provenance analysis of Jomon pottery excavated from Saitama prefecture by using light and heavy minerals composition	Mitunori Ooya	Saitama Cultural Deposits Research Corporation	Japan	National and Nonprofit Organization	Other	3	BL02B2	np
293	2019B1466	Development of soft X-ray magnetic circular dichroism microscope separating stochastically-overlapped magnetization processes	Kentaro Toyoki	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	np
294	2019B1467	Hard x-ray photoemission study of current-induced diamagnetism in ruthenium oxides	Tepei Yoshida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL47XU	np
295	2019B1468	Study on a structural change of MOF coated Pd nanoparticles during CO oxidation reaction	Hirokazu Kobayashi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	np
296	2019B1469	Elucidation of bi-functional catalysis of metal-metal oxide clusters by operand measurement	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	np
297	2019B1470	Time-resolved structure analysis of relaxor ferroelectrics under alternating electric field by using short pulse X-rays	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	np
298	2019B1472	Development of Tumor-Targeting Drug Delivery System Using Multimeric Lipid-Transporter Protein	Takashi Inui	Osaka Prefecture University	Japan	Educational Organization	Medical Applications	8.875	BL40B2	np
299	2019B1473	The realization of the measurement of structural changes during pyrolysis of wooden biomass under high heat flux by using ultra-high-speed X-ray CT	Tadafumi Daitoku	Akita Prefectural University	Japan	Educational Organization	Industrial Applications	3	BL20B2	np
300	2019B1474	Investigation of supersolid and superfluid phases in a spinel-type chromium-based compound, MnCr ₂ S ₄ , using soft x-ray MCD in high magnetic fields	Shingo Yamamoto	Dresden High Magnetic Field Laboratory	Germany	Foreign	Materials Science and Engineering	11.75	BL25SU	np
301	2019B1475*	Coordination structure analysis of water molecules inside an electrolyte membrane for constructing new hydrocarbon electrolyte membrane for fuel cells	Junji Inukai	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	12	BL04B2	np

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302	2019B1476	Investigation of magnetic properties and superconductivity in Eu-H system by Mössbauer effect on 151Eu isotope. Part 1 (BL10XU).Synthesis.	Ivan Troyan	FSRC Crystallography and Photonics RAS.	Russia	Foreign	Materials Science and Engineering	6	BL10XU	np
303	2019B1478	Observation of semisolid deformation in Al and Fe alloys by using 4D-CT and 3DXRD	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL20XU	np
304	2019B1479	Deformation experiments of mantle material under ultra-high pressure conditions using rotational diamond anvil cell	Shintaro Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Earth and Planetary Science	9	BL47XU	np
305	2019B1480	NRVS studies on the catalytic mechanism and oxidative inactivation of Fe-dependent alcohol dehydrogenase from Pyrococcus horikoshii OT3	James Birrell	Max Planck Institute	Germany	Foreign	Life Science	9	BL19LXU	np
306	2019B1482	In-situ measurement of microstructure/volume, crystallographic orientation mapping and lattice constant during massive-like transformation from ferrite to austenite after solidification in Fe-C alloys	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.625	BL47XU	np
307	2019B1484	Structural study on benzene-based molecular glasses formed by low-temperature vapor-deposition	Osamu Yamamuro	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	17.75	BL04B2	np
308	2019B1485	61Ni Mossbauer Spectroscopy of Ni,N-doped carbon electrocatalysts	Christopher Hahn	SLAC National Accelerator Laboratory	USA	Foreign	Chemical Science	14.75	BL09XU	np
309	2019B1486	High-resolution magnetic imaging by soft X-ray ptychography with an ellipsoidal mirror	Akihiro Suzuki	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	np
310	2019B1491	Development of measurement system for time- and energy-discriminated synchrotron-radiation-based Mossbauer spectroscopy	Shinji Kitao	Kyoto University	Japan	Educational Organization	Beamline Engineering	12	BL09XU	np
311	2019B1492	Sub-sub-arcsecond 2D Imaging with Multi Image X-ray Interferometer Module (MIXIM)	Kiyoshi Hayashida	Osaka University	Japan	Educational Organization	Earth and Planetary Science	8.75	BL20B2	np
312	2019B1493	Development of measurement technology for elucidation of medium range structure of bulk Zr-Cu base metallic glass and mechanism of high toughness	Kunihisa Sugimoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL02B1	np
313	2019B1495	Pair distribution function measurement of Zr-doped silicate glass	Nozomi Kondo	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B2	np
314	2019B1496	Phase transformation of ceramics by severe plastic deformation under high pressure	Zenji Horita	Saga University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL04B1	np
315	2019B1498	Speciation of tellurium in coal and its behavior during its combustion	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	9	BL37XU	np
316	2019B1499	X-ray Fluorescence Holography of Strontium Titanate Photocatalysts Doped with Potassium Cations	Hiroshi Onishi	Kobe University	Japan	Educational Organization	Chemical Science	8.875	BL13XU	np
317	2019B1500	Structural investigation of high-performance Li-rich layered materials (Li,Na)2(Nb, Mn)O3 and (Li,Na)2(Ni, Mn)O3	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
318	2019B1501	Changes in cerebral blood flow trigger an increase in sympathetic nerve activity – implications following acute myocardial infarction	Daryl Schwenke	University of Otago	New Zealand	Foreign	Medical Applications	12	BL28B2	np
319	2019B1504	Local structural analysis in RMnO3 – RTi2O7 system with CN=5 polyhedra	Yoshiki Kubota	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	2	BL01B1	np
320	2019B1506	In-situ structural analysis of bulk metallic glass with plastic elongation during tensile test	Nozomu Adachi	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	5.75	BL08W	np
321	2019B1508	Visualising and controlling the dynamics of magnetically-guided nano- and micro-sized particle motion on live airway surfaces, for improved cystic fibrosis lentiviral gene transfer.	Martin Donnelly	University of Adelaide / Women's and Children's Hospital	Australia	Foreign	Medical Applications	12	BL20XU	np

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322	2019B1510	Structural analysis of clusters in small crystalline Mg alloy using micro-beam X-ray fluorescence holography	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	np
323	2019B1512	Structural investigation of Ruddlesden –Popper compounds Sr ₂ MO ₄ F _x (M: Mn, Co)	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL02B2	np
324	2019B1513	X-ray imaging of forensic materials using SR X-ray CT	Seiya Watanabe	HYOGO Prefectural Police	Japan	National and Nonprofit Organization	Other	3	BL20B2	np
325	2019B1514	High density hydrogenation effects on the magnetic structure of Sm ₂ Co ₁₇ ferromagnet: an XMCD study under high pressure	Naoki Ishimatsu	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	np
326	2019B1515	Operando XAFS Analysis of Supported Metal Nanoparticles in Hydrogenation Reaction	Akira Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL01B1	np
327	2019B1517	Barrier-width Dependence Analysis of Ga(1-x)In(x)N/GaN 5-quantum Wells' Structure grown on GaN Nanowires by using an X-ray Nano-beam	Takao Miyajima	Meijo University	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	np
328	2019B1520	Structure and mechanical analyses of the organic/inorganic composite gels	Tasuku Nakajima	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	2.875	BL05XU	np
329	2019B1521	Investigation of the electronic states and crystal structure in 5d transition metals (Re and Os) under ultrahigh pressure by using double-stage diamond anvil cells	Naoki Ishimatsu	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	np
330	2019B1522	Direct observation of displacement of atomic sites in organic-based mechanoluminescence materials by X-ray fluorescent holography	Masaru Shimomura	Shizuoka University	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	np
331	2019B1525	Assessment of ventricular fine structure under physiological diastolic pressure using phase contrast CT in a transgenic model for conditional overexpression of Fam 64a, regulatory factor of myocardial cell division	Satoshi Mohri	Kawasaki Medical School	Japan	Educational Organization	Life Science	6	BL20B2	np
332	2019B1526	Unraveling phenomena of luminescence yield enhancement in Ce:(Lu,Y)AlO ₄ mixed crystalline scintillators with high-energy EXAFS experiment	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	np
333	2019B1527	Investigation of valence change in giant negative thermal expansion materials by means of soft X-ray absorption	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	np
334	2019B1528	Inter-comparison of equations of state at multi-megabar pressure using X-ray nano-beam	Takeshi Sakai	Ehime University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL37XU	np
335	2019B1531	Phonon spectrum of liquid crystal in phase transitions measured by inelastic X-ray scattering	Junko Morikawa	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL35XU	np
336	2019B1532	Single crystal X-ray structure analyses of pressure-induced dual-emissive tetranuclear bromo-copper(I) complexes.	Yoshiki Ozawa	University of Hyogo	Japan	Educational Organization	Chemical Science	6	BL02B1	np
337	2019B1533	Local structural analysis of nucleation agents that realize high-speed nucleation of glass	Kenji Shinozaki	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL01B1	np
338	2019B1535	Observation of state change from liquid to solid phase of water and alcohol in mesoporous carbon by HAXPES.	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL47XU	np
339	2019B1536	High-pressure growth of novel TM nitride crystals from ammonium chloride	Nico Gaida	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	np
340	2019B1538	Distribution analysis of constituent element on cross-sectional all-ceramics-battery	Takeshi Kobayashi	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Chemical Science	12	BL27SU	np
341	2019B1539	Precise SAXS analysis of morphological transition from double-diamond structures to double gyroid structure formed by block copolymers.	Atsushi Takano	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np

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342	2019B1542	Structural study of human mitral valvular apparatus with 4 dimensional phase-contrast X-ray CT.	Takuro Tsukube	Japanese Red Cross Kobe Hospital	Japan	National and Nonprofit Organization	Life Science	9	BL20B2	np
343	2019B1543	Synchrotron X-ray CT analysis of traditional Japanese swords made in the Heian period to clarify their making techniques	Manako Tanaka	Showa Women's University	Japan	Educational Organization	Materials Science and Engineering	20.75	BL28B2	np
344	2019B1545	Clarification of structural formation mechanisms of silkworm-, wild-silkworm- and bagworm-silks	Taiyo Yoshioka	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Chemical Science	6	BL40B2	np
345	2019B1547	Study on electronic structures of carrier-doped Kitaev spin liquid by means of infrared spectroscopy	Kenya Ohgushi	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	np
346	2019B1548	Construction of novel crystal structure of hydrogen-rich molecule by application of ultra-high pressure III	Masafumi Sakata	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	np
347	2019B1549	Crystal structure refinement for mixed-anion photocatalytic materials focusing on oxynitrides	Koichiro Ueda	Gakushuin University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL02B2	np
348	2019B1551	In-situ observation of surface species on Ni/YSZ in SOFC with various defects during power generation	Hirotatsu Watanabe	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	5.625	BL43IR	np
349	2019B1554	Structural determination of adsorption processes and gate opening behaviors of novel porous coordination polymers with electron donor ligands	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	np
350	2019B1558	Valence-selective Atomic Site Analysis of Ir by Photoelectron Holography in La-doped Sr ₂ -xLaxIrO ₄ for Development of New Superconductor	Rie Horie	Okayama University	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	np
351	2019B1560	Investigation of the activity-structure relationship of Hybrid Non-precious Metal Nanoparticle Catalysts	Takato Mitsudome	Osaka University	Japan	Educational Organization	Chemical Science	9	BL01B1	np
352	2019B1562	Structural analysis of trivalent cations in R ₂ O ₃ -P ₂ O ₅ glass by complementary utilization of quantum beam technique	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	2	BL01B1	np
353	2019B1563	PDF analysis of oxide glass networks with similar structure factors	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.625	BL04B2	np
354	2019B1564	Development of measurement technique of HAXPES with applying variable magnetic field for magnetization analysis in magnetic multilayer sample	Akira Yasui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL09XU	np
355	2019B1565	Crystal structure and superconductivity of alkaline earth metals strontium and calcium under low temperature and high pressure	Yuki Nakamoto	Osaka University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL10XU	np
356	2019B1566	In search of the conditions for shear instability during syn-deformational olivine-spinel transition in Fe ₂ SiO ₄	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	17.875	BL04B1	np
357	2019B1567	Local distortion of Ti sites of titan oxide nanosheets	Yasuhiro Ishida	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	12	BL39XU	np
358	2019B1569	Measurement of electronic states for FeCo alloy on Morphotropic phase boundary with large magnetostriction effects	Hiroshi Sakurai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	15	BL08W	np
359	2019B1570	Rapid data acquisition from micro crystals of membrane proteins using the ultrasonic acoustic levitator and the integrating pixel array detector with high flux pink beam	Takashi Tomizaki	Paul Scherrer Institute	Switzerland	Foreign	Life Science	6	BL40XU	np
360	2019B1571	Operand depth resolved XAFS measurement of Li ion battery with Si electrode	Kazuki Tsuruta	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	11.875	BL27SU	np
361	2019B1572	Elucidation of the Adsorption behavior of the Gas Molecules on the Zeolite Pore using in-situ High Energy X-ray Total Scattering	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	8.875	BL02B2	np

2019B, Performed General Proposals

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
362	2019B1573	Search for pressure-induced superconducting phase in selenium hydride directly synthesized from hydrogen and selenium	Mari Einaga	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	np
363	2019B1574	Bulk electronic structure of transition-metal compounds with polymerization and charge/orbital fluctuations	Takashi Mizokawa	Waseda University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	np
364	2019B1578	X-Ray Structural Analysis for Microcrystals of Methylene Substituted Low-coordinated Spices Containing Main Group Elements	Mariko Yukimoto	Kyoto University	Japan	Educational Organization	Chemical Science	5.875	BL02B1	np
365	2019B1579	Distribution and Biokinetics of Extrinsic inorganic particle in living tissues.	Chiya Numako	Chiba University	Japan	Educational Organization	Life Science	9	BL37XU	np
366	2019B1580	Experimental explore of novel Fe-O alloys under extreme pressure and temperature	Wenge Yang	Center for High Pressure Science & Technology Advanced Research	China	Foreign	Earth and Planetary Science	6	BL10XU	np
367	2019B1583	Non-invasive stress analysis of wearable/implantable flexible substrate containing embedded ultrathin 3D-LSI/ICs under pressure by micro-XRD analysis via reciprocal lattice imaging.	Murugesan Mariappan	Tohoku University	Japan	Educational Organization	Industrial Applications	12	BL13XU	np
368	2019B1584	Examination of defect evaluation by forbidden reflection of single crystal diamond using micro beam X-ray diffraction	Shinichi Shikata	Kwansei Gakuin University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL13XU	np
369	2019B1586	The effect of particle volume fraction on dehydration stability of DNA-functionalized nanoparticle superlattice	Miho Tagawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	5.75	BL40B2	np
370	2019B1587	Density measurement of solid and liquid metals using laser or externally heated DAC combined with X-ray absorption method under high pressure and high temperature	Hidenori Terasaki	Osaka University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	np
371	2019B1588	Development of in-situ test-rig for X-ray micro/nano-tomography	Kentaro Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	11.875	BL47XU	np
372	2019B1589	Fermi surface of Cu-intercalated Bi2Se3	Stephen Dugdale	University of Bristol	UK	Foreign	Materials Science and Engineering	20.875	BL08W	np
373	2019B1593	Observation of crack growth phenomenon of rubber by fast four-dimensional X-Ray CT imaging.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL28B2	np
374	2019B1594	Phase transition kinetics from neutron-irradiated highly oriented pyrolytic graphite (HOPG) to quenchable compressed graphite	Shinichi Honda	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	8.875	BL04B1	np
375	2019B1595	Infrared Synchrotron Magnetic Circular Dichroism Spectroscopy and Spin State of Organic Conductor	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL43IR	np
376	2019B1596	Near-field Spectroscopy using high brilliant infrared synchrotron source	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	23.875	BL43IR	np
377	2019B1597	Dynamics of valence fluctuations in YbAlB4 under multi-extreme conditions studied by 174Yb synchrotron Mössbauer spectroscopy	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	15	BL09XU	np
378	2019B1598	Structural investigations on the rejuvenation by the thermal strain in metallic glasses	Jens Stellhorn	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	np
379	2019B1599	Sm valence change studied by hard X-ray photoemission spectroscopy of SmB6	Norimasa Sasabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL09XU	np
380	2019B1601	Structural analysis of Cu(In,Ga)(S,Se)2 thin-films used for high efficiency solar cells by depth-resolved XAFS	Kousuke Beppu	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	np
381	2019B1602	Time-resolved SAXS/WAXS study on structures and gelation mechanisms of polymer oleogels for food	Noboru Osaka	Okayama University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
382	2019B1603	Instigation of the mechanism of dopant on redox property of Ce-Zr oxide catalyst using in-situ DXAFS	Katsutoshi Sato	Kyoto University	Japan	Educational Organization	Chemical Science	14.875	BL28B2	np
383	2019B1604	Resonant inelastic x-ray scattering of the new sodium battery cathode system Na ₂ Mn ₃ O ₇	Laurent Duda	Uppsala University	Sweden	Foreign	Materials Science and Engineering	15	BL27SU	np
384	2019B1605	Analysis for chemical bonds in polycrystalline photovoltaic material Cu(In,Ga)(S,Se) ₂	Kousuke Beppu	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	np
385	2019B1606	Time-resolved observation of fracture phenomenon of the tire rubber under shear stress by four-dimensional CT technique.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL20B2	np
386	2019B1607	Photoelectron Holography of Sn β-Gallium Oxide	Jiayi Tang	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	np
387	2019B1610	Strain measurements of an LPSO-Mg micro single crystal near kink-band generation region with using nanobeam x-ray diffraction	Shigeru Kimura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL13XU	np
388	2019B1612	Observation of adhesion reaction between rubber and metal by energy dispersive-XAFS	Maiko Nishibori	Kyushu University	Japan	Educational Organization	Chemical Science	9	BL28B2	np
389	2019B1614	Structure determination of liquid Fe-Ni-S	Saori Kawaguchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	3	BL10XU	np
390	2019B1617	Revisit ice-X and study on its post-high pressure structural stability above 2 Mbar	Bing Li	Center for High Pressure Science & Technology Advanced Research	China	Foreign	Materials Science and Engineering	3	BL10XU	np
391	2019B1618	Real-time observation of microstructure and solidification behavior of dissimilar Sn-Pb free solder material on a single joint to reveal the microstructure evolution of complex stacked electronic packaging interconnects during soldering	Arif Salleh	Universiti Malaysia Perlis	Malaysia	Foreign	Industrial Applications	9	BL20XU	np
392	2019B1619	Measurement of ultra-low energy level of Thorium-229 Isomer with high brightness X-ray light source	Koji Yoshimura	Okayama University	Japan	Educational Organization	Elementary Particles, Nuclear Science	17.75	BL19LXU	np
393	2019B1620	Fine structure analysis of pseudo-binary alloys as novel and promising catalyst materials	Shinya Furukawa	Hokkaido University	Japan	Educational Organization	Chemical Science	6	BL01B1	np
394	2019B1622	Structural Study of high efficient Cu(In _{1-x} Ga _x)Se ₂ solar cell thin films by 2D imaging analysis	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	8.75	BL37XU	np
395	2019B1623	Search for high-pressure phase and metastable crystal structures in ferromagnetic iron-platinum under high pressure	Hiroki Wadati	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	np
396	2019B1625	Basic investigation of multi-scale tracking method using interference between metal rod probe with coherent X-ray	Hiroshi Sekiguchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	17.875	BL40XU	np
397	2019B1626	High-pressure IR study of the electronic structures in excitonic insulator-related material Ta ₂ NiS ₅	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Materials Science and Engineering	26.875	BL43IR	np
398	2019B1627	In-situ analysis of local piezo-response dynamics in singularity-structure - controlled nitride semiconductor devices by time-resolved nanobeam X-ray diffraction	Tetsuya Tohei	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	np
399	2019B1628	X-ray nanofocusing system by small KB Mirror	Hidekazu Mimura	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	5.875	BL25SU	np
400	2019B1629	Study on the inhibitory effect of crystallization rate of isotactic polypropylene by addition of low modulus polypropylene	Shotaro Nishitsuji	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	3	BL05XU	np
401	2019B1631	Investigation of reaction dynamics in solid oxide fuel cell air electrode by using high-spatial and high-time resolved operant X-ray absorption spectroscopy	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL37XU	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
402	2019B1634	Electronic and local structure analysis of sulfide solid electrolyte under humidity condition by using angle resolved soft X-ray absorption spectroscopy(1)	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL27SU	np
403	2019B1636	Experimental determination of electrochemical active site in air electrode of proton-conducting ceramics fuel cells by using operando high temperature electrochemical nano XAS	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL37XU	np
404	2019B1637	Integrating morphological and structural analysis of cardiac, renal and brain tissues from patients of amyloidosis with in depth tissue proteomics through Imaging Mass Spectrometry	Masaya Ikegawa	Doshisha University	Japan	Educational Organization	Life Science	6	BL20B2	np
405	2019B1638	Investigation of Charge Density Distributions in π -System-Anion Complexes through High-Resolution Crystal Structure X-ray Analysis	Yohei Haketa	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	np
406	2019B1639	Operando 3-dimensional observation of reaction distribution in a composite positive electrode for bulk-type all-solid-state lithium ion secondary batteries during charging and discharging cycles by using CT-XAFS	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL37XU	np
407	2019B1640	Formation of Liquid Crystalline Materials with Controllable Internal Pores Based on Ordered Arrangement of π -Electronic Units	Yohei Haketa	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
408	2019B1641	XAS investigation of the charge disproportionation in BiNiO3 under high-pressure low-temperature conditions.	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	np
409	2019B1644	Direct observation of the electronic structure of nano-composit Heusler-type thermoelectric materials using hard X-ray photoemission spectroscopy	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	5.875	BL47XU	np
410	2019B1645	Precise crystal structural analysis of half-Heusler type thermoelectric materials using synchrotron radiation X-ray anomalous scattering method	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
411	2019B1647	Study of crystallographic fine structure in otoliths of swordtip squids by nanobeam X-ray diffraction	Kazushi Sumitani	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Environmental Science	6	BL13XU	np
412	2019B1648	Towards GHz hard X-ray imaging to track ultra-fast processes	Alexander Rack	European Synchrotron Radiation Facility	France	Foreign	Beamline Engineering	12	BL40XU	np
413	2019B1649	In situ study of electrocatalysts with Nuclear Resonance Vibrational Spectroscopy (NRVS)	Junko Yano	Lawrence Berkeley National Laboratory	USA	Foreign	Chemical Science	9	BL09XU	np
414	2019B1650	Structural study on ceramic solidified wastes and adsorbents for stable capture and storage of radioactive nuclei by synchrotron XRD and PDF analysis	Masahiko Nakase	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	5.875	BL04B2	np
415	2019B1651	Analysis of tire rubber under deformation for performance maintenance technology	Tomomi Masui	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Materials Science and Engineering	6	BL20XU	np
416	2019B1652	Visualization of microbes and its surrounding habitat at nano/micro-meters resolution: development of a 3D imaging technique of microbial cells/surrounding environment for understanding spatio-ecology of subseafloor sedimentary life	Yuki Morono	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Environmental Science	5.5	BL47XU	np
417	2019B1654	Outer-stimuli-triggered novel dynamic behavior of various pi-conjugated molecular crystals	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	5.75	BL02B1	np
418	2019B1655	Unravelling why new elastomers can be extended by more than 50 times	Mads Laursen	Technical University of Denmark	Denmark	Foreign	Materials Science and Engineering	12	BL08W	np
419	2019B1656	in situ x-ray observation of formation and growing process of cloud droplet levitated ultrasonically	Toshio Yamaguchi	Fukuoka University	Japan	Educational Organization	Chemical Science	6	BL08W	np
420	2019B1657	Quantitative evaluation of disorder in functional Heusler combinatorial film using anomalous XRD	Yuya Sakuraba	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL13XU	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
421	2019B1658	Study on the electronic states of Tm in TmX ₃ (X=Al, Ga, In) probed by Tm 3d-2p resonant X-ray emission spectroscopy	Naomi Kawamura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL39XU	np
422	2019B1659	Study of the electronic response of BaTiO ₃ in nanosecond order with high-speed X-ray chopper	Nobuo Nakajima	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	np
423	2019B1661	Evaluation of crystal structure of polyethylene single crystal at various temperatures by synchrotron radiation infrared spectroscopic measurement	Ken Kojo	Kyushu University	Japan	Educational Organization	Chemical Science	6	BL43IR	np
424	2019B1663	Synthesis of High-Tc Superconductive Yttrium Hydrides II	Harushige Nakao	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	np
425	2019B1666	Direct observation of coherent-phonon-band folding and phonon wave-particle crossover in superlattices	Junichiro Shiomi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	np
426	2019B1667	Hierarchical Structure Characterization of Environmentally Degradable Polymers Under Biodegradable and Scratching Processes by GI-SAXS/WAXD Measurement	Atsushi Takahara	Kyushu University	Japan	Educational Organization	Chemical Science	5.75	BL40B2	np
427	2019B1668	Electronic structure of Na _{3-x} Bi by using high-resolution Compton scattering	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Materials Science and Engineering	12	BL08W	np
428	2019B1671	Construction of three dimensional atlas of sensory neurons in model teleost fish with X-ray micro CT imaging	Takanori Ikenaga	Kagoshima University	Japan	Educational Organization	Life Science	3	BL20B2	np
429	2019B1672	Determination of phase transition mechanism of nickel colloidal crystals	Masaki Saruyama	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL40B2	np
430	2019B1675	Study for Pressure-induced Valence Transition of EuX ₄ (X: Al, Ga) probed by X-ray absorption spectroscopy	Fuminori Honda	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	np
431	2019B1677	Water-Vapor Post Annealing Process for SiO ₂ /4H-SiC(1-100) Interface Optimized by Using High Resolution Hard X-ray Photoelectron Spectroscopy (HR-HAXPES)	Sumera Shimizu	DENSO CORPORATION	Japan	Industry	Industrial Applications	6	BL46XU	np
432	2019B1678	IR Micro Mapping Measurements of Particulates in Rubber	Takayuki Maruyama	Bridgestone Corporation	Japan	Industry	Industrial Applications	9	BL43IR	np
433	2019B1679	Development of the Silicon-Nanostructured Transition Metal Catalysts for the Synthesis of Bio Hydrofined Diesel	Takuma Sato	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	np
434	2019B1680	Elucidation of the operation mechanism of organic transistor memories by hard X-ray photoemission spectroscopy: redox processes of metal complex monolayers on gate insulator films	Keishiro Tahara	University of Hyogo	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
435	2019B1682	Visualization of the distribution of glyoxylic acid with a penetration enhancer in human hair	Makoto Uyama	Shiseido Company, Ltd.	Japan	Industry	Industrial Applications	4	BL43IR	np
436	2019B1683	Direct observation of ultra-fast magnetization process of a hard disk write-head by using a scanning soft X-ray magnetic circular dichroism microscope	Akira Kikitsu	TOSHIBA CORPORATION	Japan	Industry	Industrial Applications	8.75	BL25SU	np
437	2019B1684	Investigation of nano-cluster structure in Al-Zn-Mg alloys by using soft X-ray XAFS	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL27SU	np
438	2019B1685*	Study on Sodium Storage Mechanisms of Ti/Mg-substituted NaMnO ₂ by Synchrotron X-Ray Diffraction	Naoaki Yabuuchi	Yokohama National University	Japan	Educational Organization	Industrial Applications	3	BL19B2	np
439	2019B1686	In situ QXAFS analysis for noble-metal-supported Al ₂ O ₃ -based catalysts effective for automotive emission control	Takashi Toyao	Hokkaido University	Japan	Educational Organization	Industrial Applications	12	BL14B2	np
440	2019B1687	In-situ observation of solidification and solid-solid transformation in Ti-based alloy using time-resolved X-ray imaging	Tomohiro Nishimura	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	5.875	BL20XU	np

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1Shift =8Hours

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441	2019B1690	In situ residual stress analysis at the interface of phenolic resin and metal composites during curing process. Part 5	Atsushi Izumi	Sumitomo Bakelite Co., Ltd.	Japan	Industry	Industrial Applications	11.75	BL19B2	np
442	2019B1691	In situ analysis of tribochemical reaction on rubbing surface of steel by X-ray diffraction	Makoto Miyajima	Nippon Steel Corporation	Japan	Industry	Industrial Applications	3	BL46XU	np
443	2019B1692	Evaluation of GaN crystal by X-ray topography (2)	Masakazu Kanechika	Nagoya University	Japan	Educational Organization	Industrial Applications	1	BL20B2	np
444	2019B1693	Characterization of origin inclusion of rolling contact fatigue flaking in the material with dispersive shape-controlled inclusions by SR X-ray laminography	Taizo Makino	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL46XU	np
445	2019B1695	Charge Compensation in Hard X-ray Photoelectron Spectroscopy using Electron Beam of Several Kilo-electron-volts	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	9	BL46XU	np
446	2019B1697	SAXS analyses on nanostructure change of colloidal suspension of protein during freezing and thawing process	Kyuya Nakagawa	Kyoto University	Japan	Educational Organization	Industrial Applications	5.625	BL19B2	np
447	2019B1700	Operand observation of 3D printer with carbon fiber composite by synchrotron radiation white X-ray imaging	Kentaro Kajiwara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	6	BL28B2	np
448	2019B1701	Hard X-ray photoelectron spectroscopy study of band gap excitation light induced effects on electronic states	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	8.875	BL46XU	np
449	2019B1706	Crystal structure analysis of electrode materials of laminate-type lithium-ion batteries during thermal runaway	Yoshiyasu Saito	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	6	BL46XU	np
450	2019B1708	In-situ analysis on strain induced martensitic transformation behavior of 0.2%C-2%Si-7%Mn ultrafine grained ferrite + austenite steel with excellent strength – ductility balance	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL19B2	np
451	2019B1709	Clarification of crystallization and growth of Fe-Zn intermetallic compounds in molten Zinc-based alloys with use of direct observation technique	Sho Katsura	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	5.5	BL20XU	np
452	2019B1711	Observation of interfacial transition zone around aggregate in steam curing concrete by non-destructive integrated CT-XRD Method	Takafumi Sugiyama	Hokkaido University	Japan	Educational Organization	Industrial Applications	8.875	BL28B2	np
453	2019B1712	Acquirement of the data of minerals for building of energy distributed XRD profiles	Takashi Hitomi	OBAYASHI CORPORATION	Japan	Industry	Industrial Applications	12	BL28B2	np
454	2019B1713	Study on change in appearance and retrogradation of cooked rice during storage in low temperature	Takahisa Nishizu	Gifu University	Japan	Educational Organization	Industrial Applications	3	BL19B2	np
455	2019B1714	Effect of substituted metals on redox behavior and local structure in Mg rechargeable cathode material during charge and discharge process	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	3	BL14B2	np
456	2019B1715	Clarification of precipitation behavior of Al-Fe-Si intermetallic compounds with use of direct observation technique	Tomoyuki Kitamura	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	6	BL20XU	np
457	2019B1716*	Adsorption of polymer binder molecules on the surface of model platinum catalysts under controlled conditions analyzed by in-situ total-reflection fluorescence XAFS	Junji Inukai	University of Yamanashi	Japan	Educational Organization	Industrial Applications	9	BL14B2	np
458	2019B1717	Particle-size distributions of fuel-cell nanoparticle catalysts analyzed by in situ SAXS using anomalous dispersion of Pt during accelerated degradation tests	Junji Inukai	University of Yamanashi	Japan	Educational Organization	Industrial Applications	9	BL19B2	np
459	2019B1720	Study on effect of moisturizer based upon the structural modification of stratum corneum with its application—Focusing to the difference of moisturizers—	takeshi yamada	SAKAMOTO YAKUHIN KOGYO CO., LTD	Japan	Industry	Industrial Applications	6	BL40B2	np
460	2019B1723	Development of user interface using SPEC at BL14B2	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	np

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461	2019B1724	Analysis of local stress distributions around grain boundary in ferrite steel by energy-dispersive X-ray diffraction microscopy	Tomotaka Miyazawa	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	9	BL28B2	np
462	2019B1725	Development and Installation of High-precision Adjustment Mechanism for the Multi Soller Slit system on the Versatile High-throughput Diffractometer Polaris	Keiichi Osaka	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	9	BL19B2	np
463	2019B1726	X-ray CT analysis on electrode/electrolyte interface of all-solid state lithium battery	Yuki Oriyasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	3	BL20XU	np
464	2019B1727	Investigation of structure evaluation of insulating films under low temperature FT-IR	Koji Usuda	Kioxia Corporation	Japan	Industry	Industrial Applications	3	BL43IR	np
465	2019B1728	Evaluation of singularity of strain behavior in network structure of harmonized powder materials	Yoshikazu Nakai	Kobe University	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
466	2019B1729	Clarification of void promotion mechanism in hair fibres with aging using differential phase contrast X-ray micro CT method	Kazuyuki Suzuta	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	8.875	BL47XU	np
467	2019B1730	Change in Spatial Arrangement of Silica Particles Immobilized with Block Copolymer with Various Diameters under Mechanical Deformation Based on Ultra Small-angle X-ray Scattering (USAXS)	Ken Kojio	Kyushu University	Japan	Educational Organization	Industrial Applications	3	BL19B2	np
468	2019B1731	In-situ Observation of Crystallographic Deformation of PZT and KNN Epitaxial Piezoelectric Thin Films Grown on Si	Isaku Kanno	Kobe University	Japan	Educational Organization	Industrial Applications	9	BL46XU	np
469	2019B1733	The relationship between aging and cell senescence by multifaceted approach of single cell	Tetsuhiro Kikuchi	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	12	BL43IR	np
470	2019B1734	Trial DAFS measurement of SixGe1-x thin film on Ge substrate in BL19B2	Kosuke Fujiwara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	9	BL19B2	np
471	2019B1814*	X-ray compton scatter imaging of Automobile Li-ion Cells	Kenji Sato	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	15	BL08W	np
472	2019B1815	Investigation of the factors of ion distribution during degradation process for high-power capacitor	Hiroataka Hanawa	NIPPON CHEMI-CON CORPORATION	Japan	Industry	Industrial Applications	15	BL08W	np
473	2019B1818	Cycle rate dependency of lithiation state in commercial 18650-type Li-ion battery observing by Compton scattering imaging	Bernardo Barbiellini	Lappeenranta-Lahti University of Technology	Finland	Foreign	Industrial Applications	15	BL08W	np
474	2019B1821	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	3	BL46XU	p
475	2019B1822	Structural investigation on functional materials by SAXS/USAXS.	Akinori Sugishima	FUJIFILM Corporation	Japan	Industry	Industrial Applications	1	BL19B2	p
476	2019B1823	Structure analysis of the reaction process on liquid phase synthesis with in-situ X-ray diffraction	Mayu Morita	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	1.875	BL19B2	p
477	2019B1824	Crystal structure analysis and residual stress measurement of BaTiO3-based MLCC by high resolution x-ray diffraction	Ryo Osone	KYOCERA Corporation	Japan	Industry	Industrial Applications	3	BL46XU	p
478	2019B1825	Construction of the nondestructive analysis methods for the lithium ion battery cell by using synchrotron X-ray.	Takuya Mori	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	2	BL46XU	p
479	2019B1826	Technical development for high performance all solid state battery (I)	Hironori Kobayashi	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	1	BL19B2	p
480	2019B1828	Analysis of local structure of catalysts for high selective reduction of carboxylic acid by In situ XAFS	Noriyuki Fukuzumi	Daicel Corporation	Japan	Industry	Industrial Applications	6	BL14B2	np

2019B, Performed General Proposals

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
481	2019B1829	Local structure analyses of Eu and Mn centers in Sr ₃ MgSi ₂ O ₈ :Eu,Mn phosphors for plant-growth light source	Takashi Kunimoto	Tokushima Bunri University	Japan	Educational Organization	Industrial Applications	3	BL14B2	np
482	2019B1830	Electronic States of Electrochemical Catalysts for Zinc-air Batteries	Shunsuke Yagi	The University of Tokyo	Japan	Educational Organization	Industrial Applications	3	BL14B2	np
483	2019B1832	Elucidation of the behavior of regulated elements contained in coal ash and its treated material	Yuki Nagao	Ube Industries, Ltd.	Japan	Industry	Industrial Applications	3	BL14B2	np
484	2019B1833	In-situ Analysis of Chemical State and Coordination Structure for Transition Metal in γ -Zirconium Phosphate – Transition Metal Hybrids	Yasushi Nakajima	DAIICHI KIGENSO KAGAKU KOGYO CO., LTD.	Japan	Industry	Industrial Applications	6	BL14B2	np
485	2019B1837	2D-GIWAXS analysis of morphological evolution in the preparation of organic semiconducting thin films via a precursor approach	Mitsuharu Suzuki	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL19B2	np
486	2019B1838	Compressive failure process of a large diameter carbon fiber reinforced plastic based on fiber undulation measurement and in-situ compression test	Masahito Ueda	Nihon University	Japan	Educational Organization	Industrial Applications	9	BL46XU	np
487	2019B1839	XAFS Structure Analysis of Supported Iridium Catalyst	Kenji Hara	Tokyo University of Technology	Japan	Educational Organization	Industrial Applications	6	BL14B2	np
488	2019B1840	In-situ XAFS analysis of ZnO supported Au-Cu bimetallic catalysts for CO ₂ reduction reaction to reveal the active structures	Tamao Ishida	Tokyo Metropolitan University	Japan	Educational Organization	Industrial Applications	9	BL14B2	np
489	2019B1842	In situ XAFS measurement on iron-catalyzed reaction for the synthesis of organic compounds: Structure and reactivity relationship study and development of novel chiral ligand toward asymmetric synthesis	Takuya Kurahashi	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL14B2	np
490	2019B1843	Crystallinity and Orientation Analysis of Semiconducting Materials in Thin Films toward Highly Efficient Organic Electronic Devices	Masayuki Wakioka	Kyoto University	Japan	Educational Organization	Industrial Applications	2.875	BL46XU	np
491	2019B1845	in situ XAFS study on redox behavior of automotive catalysts treated by an actual process	Saburo Hosokawa	Kyoto University	Japan	Educational Organization	Industrial Applications	8.875	BL14B2	np
492	2019B1846	In-situ analysis of organic thin-film growth by simultaneous measurement of quartz crystal microbalance and grazing incidence 2D X-ray diffraction	Ryosuke Matsubara	Shizuoka University	Japan	Educational Organization	Industrial Applications	6	BL19B2	np
493	2019B1847	Stress development accompanied with the phase transformation of thermally grown oxide scale of FeO formed on carbon steel at high temperature II	Shigenari Hayashi	Hokkaido University	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
494	2019B1850	Elucidation of long life and self-discharge suppression mechanism with SBR binder copolymerized with methyl methacrylate is applied to the positive electrode for lithium ion batteries by hard-X-ray photoelectron spectroscopy	Kei Kubota	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
495	2019B1851	Structural analysis of organic semiconductor thin-films and in situ observation of changing molecule orientation	Noriyuki Yoshimoto	Iwate University	Japan	Educational Organization	Industrial Applications	6	BL19B2	np
496	2019B1852	X-Ray Crystallographic Analysis of Formation and Phase Transition Mechanism of Ice Crystals	Kenji Hara	Tokyo University of Technology	Japan	Educational Organization	Industrial Applications	3	BL19B2	np
497	2019B1855	Designing metal/metal fluoride-ion electrode materials for high-energy density (2)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	8.875	BL14B2	np
498	2019B1857	Development of GIXD measurement systems for organic thin films at air/liquid interface in BL19B2	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	5.875	BL46XU	np
499	2019B1858	Characterization of the local structure of supported multi-metallic catalysts for selective deoxygenation of biomass-derived chemicals	Tomoo Mizugaki	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	np
500	2019B1859	Evaluation of thermal triaxial strain distribution in short-fiber reinforced plastics by transmission X-ray strain scanning method	Keiji Kimura	DENSO CORPORATION	Japan	Industry	Industrial Applications	6	BL46XU	np

2019B, Performed General Proposals

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
501	2019B1870	Effect of the passivation layer on perovskite polycrystalline thin films	Naoyuki Shibayama	The University of Tokyo	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
502	2019B1873	Internal hair structure analysis using microbeam X-ray scattering method	Toshihiro Tamura	Kao Corporation	Japan	Industry	Industrial Applications	1	BL46XU	p
503	2019B1874	Structure analysis of the reaction process on liquid phase synthesis with in-situ X-ray diffraction II.	Mayu Morita	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	3	BL19B2	p
504	2019B1875	Valence analysis of arsenic in minerals by As-K-edge-XANES	Yuki Itaya	Sumitomo Osaka Cement Co.,Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	p
505	2019B1876	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	6	BL46XU	p
506	2019B1877	Observation of Higher Order Structure of Polymer	Takashi Yajima	Sumitomo Riko Company Limited	Japan	Industry	Industrial Applications	0.875	BL19B2	p
507	2019B1878	XAFS measurement of semiconductor materials	Riichiro Takaishi	Kioxia Corporation	Japan	Industry	Industrial Applications	3	BL14B2	p
508	2019B1879	HAXPES study on Band structure of oxide semiconductor film.	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	3	BL46XU	p
509	2019B1881	Technical development for high performance all solid state battery (II)	Hironori Kobayashi	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	1	BL19B2	p
510	2019B1882	Crystal and electronic structure analysis of novel oxide-based anode material Li ₂ (Sr _{1-x} Nax)Ti _{6-x} NbxO ₁₄ towards lithium ion battery for electric vehicle	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	6	BL19B2	np
511	2019B1883	Crystal structure analysis of Zintl compounds with crystalline defects using powder XRD technique	Tsutomu Kanno	Panasonic Corporation	Japan	Industry	Industrial Applications	3	BL19B2	np
512	2019B1884	In-situ XRD measurement on super high corrosion resistant brass alloy	Yoji Miyajima	Kanazawa University	Japan	Educational Organization	Industrial Applications	5.875	BL46XU	np
513	2019B1885	Study on coloring mechanism of iron based glaze of Kasama Yaki using X-ray absorption near edge structure analysis.	Hitoshi Ojima	Industrial Technology Innovation Center Of Ibaraki Prefecture	Japan	National and Nonprofit Organization	Industrial Applications	5.5	BL14B2	np
514	2019B1886	Optimization of grazing-incidence X-ray scattering diffraction conditions for qualifying surface ionic structure of molten non-silicate oxides related to local corrosion mechanism of contacted refractory	Masanori Suzuki	Osaka University	Japan	Educational Organization	Industrial Applications	2.75	BL19B2	np
515	2019B1887	Electrode material optimization for the simultaneous measurements electrochemical reaction rate and HAXPES	Tepei Kawamoto	University of Yamanashi	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
516	2019B1888	Structural evaluation of rare-earth free ferromagnetic thin film L10-FeCo by X-ray diffraction	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	5.75	BL46XU	np
517	2019B1889	Operando XAFS study on degradation process of automotive catalysts at high temperature	Hiroyuki Asakura	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL14B2	np
518	2019B1890	Structural characterization of FeNi and L10-type FeNi films by x-ray diffraction	Keita Ito	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
519	2019B1892	Dependence of asphaltene on aggregation/disaggregation using combined small-angle scattering method	Takeshi Morita	Chiba University	Japan	Educational Organization	Industrial Applications	5.875	BL19B2	np
520	2019B1893	Development of Full-automated High-resolution Powder Diffraction Using Versatile High-throughput Diffractometer Polaris	Keiichi Osaka	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	3	BL19B2	np

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S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
521	2019B1894	Buried electronic states of the perovskite / organic semiconductor interface	Hideharu Niwa	University of Tsukuba	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
522	2019B1895	Development and evaluation of integrated observation method of high precision Computed tomography and X-ray diffraction with monochromatic X-ray	Takashi Hitomi	OBAYASHI CORPORATION	Japan	Industry	Industrial Applications	3	BL46XU	np
523	2019B1896	Evaluation of negative thermal expansion property of BiNi1-xFexO3 by commercial production III	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL19B2	np
524	2019B1897	Development of simultaneous characterization method of internal temperature and crystal structure change of electrode materials for lithium-ion batteries III Characterization of temperature and reaction distributions in cylindrical lithium-ion batteries during heating	Yoshiyasu Saito	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	5	BL46XU	np
525	2019B1898	Study on microstructure of fats by X-ray microtomography	Noriyuki Yoshimoto	Iwate University	Japan	Educational Organization	Industrial Applications	5.75	BL14B2	np
526	2019B1899	A Study on Polymer Electrolyte Fuel Cell catalyst operating under High temperature and Low Humidification.	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	15	BL14B2	np
527	2019B1900	Synchrotron-based In Situ Characterization of Polymer Binders on the Model Platinum Catalyst Interfaces under Controlled Electrolysis Conditions by Total-reflected Fluorescence X-ray Absorption Spectroscopy	Junji Inukai	University of Yamanashi	Japan	Educational Organization	Industrial Applications	8.875	BL14B2	np
528	2019B1901	HAXPES analysis of thermosetting resins for electronic materials	Yasuyuki Shudo	Sumitomo Bakelite Co., Ltd.	Japan	Industry	Industrial Applications	6	BL46XU	np
529	2019B1902	The operand measurement of crystalline Si heterojunction photovoltaic devices using hard X-ray photoelectron spectroscopy	Takefumi Kamioka	Meiji University	Japan	Educational Organization	Industrial Applications	6	BL46XU	np
530	2019B1903	Measurement of dislocation density change during hot deformation in Al-Cu alloys by using In-situ XRD technique.	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Industrial Applications	5.875	BL46XU	np
531	2019B2501	crystal structure analysis of protein	Ryuji Kobayashi	TOSOH CORPORATION	Japan	Industry	Life Science	1	PX-BL (BL26B1)	p
532	2019B2502	X-ray crystal structure determination of the protein in complex with compound	Tsuyoshi Adachi	Japan Tobacco Inc.	Japan	Industry	Industrial Applications	3	PX-BL (BL45XU)	p
533	2019B2503	diffraction data collection for x-ray crystallography of drug-target proteins	Mizuki Takahashi	DAIICHI SANKYO RD NOVARE CO., LTD.	Japan	Industry	Industrial Applications	1	PX-BL (BL45XU)	p
534	2019B2504	X-ray Structural analysis of disease-related protein	Rie Omi	ONO PHARMACEUTICAL CO., LTD.	Japan	Industry	Life Science	2	PX-BL (BL45XU)	p
535	2019B2505	X-ray structural analysis of disease -related protein	Kei Suzuki	ONO PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	1	PX-BL (BL45XU)	p
536	2019B2506	The Crystallographic study for drug development	Yoshinori Fujiyoshi	CeSPIA Inc.	Japan	Industry	Life Science	0.25	PX-BL (BL41XU)	p
537	2019B2507	Crystal structure determination of human GPCRs	Xianqiang Song	Amgen Biopharmaceutical Research & Development (Shanghai) Co., Ltd.	China	Foreign	Life Science	1.5	PX-BL (BL41XU)	p
538	2019B2508	Evaluation of the Protein Crystals under Microgravity by Synchrotron Radiation	Mitsugu Yamada	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Life Science	13.5	PX-BL (BL41XU, BL45XU)	p
539	2019B2509	Structure analysis of proteins related to disease	Kenji Suzuki	Pharmaceutical Consortium for Protein Structure Analysis	Japan	Industry	Industrial Applications	19.875	PX-BL (BL41XU, BL45XU, BL32XU)	p
540	2019B2510	X-ray single structural analysis of disease-related proteins for Research for Development of New Drugs	Noriyuki Imayoshi	SAI Corporation	Japan	Industry	Industrial Applications	1	PX-BL (BL45XU)	p

2019B, Performed General Proposals

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
541	2019B2511	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design.	Takaaki Fukami	CHUGAI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	5	PX-BL (BL45XU)	p
542	2019B2514	Structural analysis of P2X receptors in complex with allosteric modulators.	Motoyuki Hattori	Fudan University	China	Foreign	Life Science	3	PX-BL (BL32XU)	np
543	2019B2516	Structural studies to elucidate action mechanisms of immunomodulatory drugs	Tomoyuki Mori	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	np
544	2019B2517	Crystallographic analyses of reaction states of retinal proteins	Tsutomu Kouyama	Nagoya University	Japan	Educational Organization	Life Science	3	PX-BL (BL26B2)	np
545	2019B2518	Structure determination of Sec holo translocon complex	Tomoya Tsukazaki	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	7	PX-BL (BL45XU, BL32XU)	np
546	2019B2519	Structural analysis of membrane proteins involved in iron uptake system	Hiroshi Sugimoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	9.5	PX-BL (BL41XU, BL45XU)	np
547	2019B2521	Structure analysis of the negative feedback mechanism in MEK-ERK signal transduction	Setsu Nakae	Nagahama Institute of Bio-Science and Technology	Japan	Educational Organization	Life Science	6	PX-BL (BL26B1)	np
548	2019B2525	Designing of metalloenzyme based on quaternary structure of peroxiredoxin	Tsutomu Nakamura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Life Science	2	PX-BL (BL45XU)	np
549	2019B2527	Analysis of physical-power generation mechanism of F1-ATPases by static and dynamic X-ray crystallographic studies	Toshiharu Suzuki	Tokyo Institute of Technology	Japan	Educational Organization	Life Science	2.875	PX-BL (BL41XU)	np
550	2019B2528	Structural studies of translocation mechanism of helicases from flaviviruses	Haitao Yang	Tianjin University	China	Foreign	Life Science	8.875	PX-BL (BL41XU)	np
551	2019B2529	Elucidation of the mechanisms on the elicitation of sweetness of proteins by atomic resolution structural analysis	Tetsuya Masuda	Kyoto University	Japan	Educational Organization	Life Science	5.75	PX-BL (BL26B1)	np
552	2019B2532	Studies on structure-function relationships in protein dynamic motions at physiological temperatures.	Tetsuya Masuda	Kyoto University	Japan	Educational Organization	Life Science	3	PX-BL (BL26B1)	np
553	2019B2534	Structural analyses of the role of nucleic-acid processing enzymes in severe mitochondrial diseases	Yoshitaka Bessho	Academia Sinica	Taiwan, ROC	Foreign	Life Science	3	PX-BL (BL32XU)	np
554	2019B2535	Structural study of Importin β and repeat-peptide	Takuya Yoshizawa	Ritsumeikan University	Japan	Educational Organization	Life Science	3	PX-BL (BL26B1)	np
555	2019B2537	Elucidating the initiation mechanism of telomere bouquet formation by crystallography	Min Yao	Hokkaido University	Japan	Educational Organization	Life Science	4	PX-BL (BL41XU)	np
556	2019B2538	Structural analysis of a phospholipid scramblase	Shigekazu Nagata	Osaka University	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU)	np
557	2019B2539	Structural study of extracellular domains of T1r taste receptors and its extension for understandings receptor functions and molecular phylogeny	Atsuko Yamashita	Okayama University	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	np
558	2019B2540	X-ray structure analyses of arginine kinase 3 (AK3) in the ciliate Paramecium tetraurelia	Shigeru Sugiyama	Kochi University	Japan	Educational Organization	Life Science	3.5	PX-BL (BL41XU)	np
559	2019B2542	Molecular basis analysis of the activation and inhibition of JAK-STAT signal pathway	Toyoyuki Ose	Hokkaido University	Japan	Educational Organization	Life Science	3	PX-BL (BL45XU)	np
560	2019B2543	Structural studies of formyl peptide receptors in complex with different ligands	Beili Wu	Chinese Academy of Sciences	China	Foreign	Life Science	4	PX-BL (BL41XU)	np
561	2019B2544	Structural study of a skin aspartic protease	Takayuki Obita	University of Toyama	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	np

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
562	2019B2545	Structural basis for the transport mechanism of cell-adhesion molecules to promote synaptic differentiation	Atsushi Yamagata	RIKEN	Japan	National and Nonprofit Organization	Life Science	4	PX-BL (BL45XU)	np
563	2019B2546	Structural analysis of the receptors involved in metabolic syndrome in complex with ligands	Hiroaki Tanabe	RIKEN	Japan	National and Nonprofit Organization	Life Science	3	PX-BL (BL32XU)	np
564	2019B2548	Development of high efficiency data collection system using high intensity X-ray at BL45XU	Seiki Baba	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	20.875	PX-BL (BL26B1, BL45XU)	np
565	2019B2549	Structural basis of adhesion and growth of Type V pili	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL45XU)	np
566	2019B2550	Structural basis of the motility of Mollicutes bacteria	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	np
567	2019B2551	Structural basis of rotational mechanism of the bacterial flagellar motor.	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	np
568	2019B2552	Direct observation of the conformational change of copper amine oxidase using HAG method	Takeshi Murakawa	Osaka Medical College	Japan	Educational Organization	Life Science	12	PX-BL (BL26B1)	np
569	2019B2553	Crystallographic Studies on Membrane-Bound Galactooligosaccharide Producing Enzyme	Shunichi Tanaka	Kyoto Prefectural University	Japan	Educational Organization	Life Science	2.875	PX-BL (BL26B1)	np
570	2019B2556	Structural analysis of various glycoside hydrolases from bifidobacteria	Shinya Fushinobu	The University of Tokyo	Japan	Educational Organization	Life Science	0.75	PX-BL (BL45XU)	np
571	2019B2557	Structural biology of interaction system between bacteria and animals/plants through mucus from host cells	Wataru Hashimoto	Kyoto University	Japan	Educational Organization	Life Science	3	PX-BL (BL45XU)	np
572	2019B2559	Crystal structure analysis of photosystem II water-splitting reaction intermediates and its complexes with inhibitors	Jian-Ren Shen	Okayama University	Japan	Educational Organization	Life Science	9.5	PX-BL (BL41XU)	np
573	2019B2560	Optimizing and generalizing the charge density analyses of biological macromolecules	Kazuki Takeda	Kyoto University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	np
574	2019B2561	Structure analysis of peptide fused proteins using in cell protein crystallization	Satoshi Abe	Tokyo Institute of Technology	Japan	Educational Organization	Life Science	8.875	PX-BL (BL32XU)	np
575	2019B2562	Crystallographic valence studies on the active metal-site of the oxygen-evolving reaction in Photosystem II in intermediate state condition by anomalous scattering	Yasufumi Umena	Okayama University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU, BL45XU)	np
576	2019B2563	Construction of metal binding sites by amino acid replacement on the interior surface of caged protein, ferritin for analysis of coordination structure	Satoshi Abe	Tokyo Institute of Technology	Japan	Educational Organization	Life Science	3	PX-BL (BL45XU)	np
577	2019B2565	High Resolution X-ray Crystallographic Analyses of Bioluminescent Protein	Toru Nakatsu	Kyoto University	Japan	Educational Organization	Life Science	3.375	PX-BL (BL41XU, BL45XU)	np
578	2019B2568	Structural analysis of self-incompatibility in flowering plants	Kohji Murase	The University of Tokyo	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU)	np
579	2019B2570	Structural analysis of effector VepA in complex with chaperone VecA from Vibrio parahaemolyticus	Shota Nakamura	Osaka University	Japan	Educational Organization	Life Science	9	PX-BL (BL26B1)	np
580	2019B2571	Structural analysis of GMPR, GMPS, and IMPDH from Trypanosoma brucei cocrystalized with the substrate or the inhibitor	Shigenori Nishimura	Osaka Prefecture University	Japan	Educational Organization	Life Science	5.125	PX-BL (BL26B1, BL45XU)	np
581	2019B2572	Structural analysis of leukotriene B4 receptor (BLT1)	Tetsuya Hori	RIKEN	Japan	National and Nonprofit Organization	Life Science	3	PX-BL (BL32XU)	np
582	2019B2573	High-resolution structure determination of fully reduced cytochrome c oxidase at room temperature	Atsuhiko Shimada	Gifu University	Japan	Educational Organization	Life Science	2.75	PX-BL (BL45XU)	np

2019B, Performed General Proposals

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1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
583	2019B2574	Structural analysis of chemokine receptor CXCR2 with the monoclonal antibody.	Shigeyuki Yokoyama	RIKEN	Japan	National and Nonprofit Organization	Life Science	3	PX-BL (BL32XU)	np
584	2019B2575	Structural Study on Metalloenzymes Related to NO Decomposition	Takehiko Tosha	RIKEN	Japan	National and Nonprofit Organization	Life Science	7.5	PX-BL (BL41XU, BL32XU)	np
585	2019B2576	Structural study for a novel transcriptional regulation in plant root development	Yoshinori Hirano	The University of Tokyo	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	np
586	2019B2577	Structure analysis of novel types of rhodopsin	Tomohiro Nishizawa	The University of Tokyo	Japan	Educational Organization	Life Science	6.875	PX-BL (BL45XU, BL32XU)	np
587	2019B2580	The crystal structure of peroxyxynitrite modified protein	Takashi Nakashima	Kyushu University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	np
588	2019B2581	Crystal Structure analysis of immune receptors	Umeharu Ohto	The University of Tokyo	Japan	Educational Organization	Life Science	2.5	PX-BL (BL45XU)	np
589	2019B2582	Structural basis for substrate recognition by a phosphatidylserine decarboxylase	Yasunori Watanabe	Ehime University	Japan	Educational Organization	Life Science	4.5	PX-BL (BL41XU, BL45XU)	np
590	2019B2583	Structural study of ethambutol drug target membrane proteins from Mycobacterium tuberculosis (continued)	Zihe Rao	ShanghaiTech University	China	Foreign	Life Science	3.75	PX-BL (BL41XU)	np
591	2019B2701	Structural analysis of the therapeutic target protein with its ligands	Satoshi Sogabe	Axcelead Drug Discovery Partners Inc.	Japan	Industry	Industrial Applications	1.5	PX-BL (BL41XU, BL45XU)	p
592	2019B2702	Data collection on protein crystals for structure based drug design	Fan Jiang	Viva Biotech (Shanghai) Ltd.	China	Foreign	Life Science	10.5	PX-BL (BL45XU)	p
593	2019B2703*	Ultra-High Resolution Crystallographic Structure Analysis of a Heme Protein, Cytochrome c' from Alcaligenes xylosoxidans	Takamitsu Kohzuma	Ibaraki University	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	np
594	2019B2704	Crystallographic analysis of the ligand bound forms of B-cell inhibitory co-receptor CD72	Nobutaka Numoto	Tokyo Medical and Dental University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	np
595	2019B2705	Structure determination of the Cannabinoid receptor 1 with allosteric modulators	Zhenhua Shao	Sichuan University	China	Foreign	Life Science	1.5	PX-BL (BL41XU)	np
596	2019B2706	Crystal structure of the orphan GPCR and hint for deorphanization	Fei Xu	ShanghaiTech University	China	Foreign	Life Science	10	PX-BL (BL41XU, BL45XU)	np
597	2019B2708	Structural and functional study of human CXC-type chemokine receptor 2	Zhi-Jie Liu	ShanghaiTech University	China	Foreign	Life Science	6	PX-BL (BL41XU, BL45XU)	np
598	2019B2709	Structural study on human CB2 receptors in complex with different agonists	Zhi-Jie Liu	ShanghaiTech University	China	Foreign	Life Science	6	PX-BL (BL41XU, BL45XU)	np
599	2019B2710	Structural study on human MC4 receptors in complex with different ligands	Raymond Stevens	ShanghaiTech University	China	Foreign	Life Science	5.875	PX-BL (BL41XU, BL45XU)	np
600	2019B2711	Structural study on human GLP-1 receptors in complex with different ligands	Raymond Stevens	ShanghaiTech University	China	Foreign	Life Science	3	PX-BL (BL41XU)	np
601	2019B2712	Structural determination of novel 7-transmembrane (TM) receptors (GPCRs and microbial rhodopsins)	Yuanzheng He	Harbin Institute of Technology	China	Foreign	Life Science	3	PX-BL (BL41XU)	np
602	2019B2713	Structural basis for the substrate recognition mechanism of archaeal tRNA methyltransferase aTrm56	Akira Hirata	Ehime University	Japan	Educational Organization	Life Science	1.875	PX-BL (BL26B2)	np
603	2019B2714	Elucidation of functions of food-related enzymes by X-ray analysis with freezing and non-freezing crystals.	Bunzo Mikami	Kyoto University	Japan	Educational Organization	Life Science	15.75	PX-BL (BL26B1, BL45XU)	np

2019B, Performed General Proposals

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or Supercomputers (public computational resource of HPCI including the K computer).

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
604	2019B2715	Crystallographic Study of the Dopamine Receptors	Sheng Wang	Chinese Academy of Sciences	China	Foreign	Life Science	6	PX-BL (BL41XU)	np
605	2019B2716	Analysis of enzymatic catalytic mechanism by harmonization of crystallographic analysis and quantum calculation	Masahiro Fujihashi	Kyoto University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL45XU)	np
606	2019B2717	Structural elucidation of glucose transporter in the occluded conformation	Nieng Yan	Tsinghua University	China	Foreign	Life Science	8.875	PX-BL (BL32XU)	np
607	2019B2718	X-ray crystallographic analysis of the K intermediate of bacteriorhodopsin at ultra-high resolution	Kazuki Takeda	Kyoto University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	np
608	2019B2719	Crystal structure analysis of domain swapped protein for construction of nano structure	Masaru Yamanaka	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	2.5	PX-BL (BL45XU)	np
609	2019B2721	X-ray structural analysis of tight junction related membrane proteins	Shun Nakamura	Nagoya University	Japan	Educational Organization	Life Science	7.5	PX-BL (BL41XU)	np
610	2019B2722	Development of the in situ measurement method with a crystallization plate	Hideo Okumura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	20.875	PX-BL (BL26B1, BL45XU)	np
611	2019B2723	Structural determination of human herpesvirus 6B glycoprotein complex by X-ray crystallography	Mitsuhiro Nishimura	Kobe University	Japan	Educational Organization	Life Science	6	PX-BL (BL26B1)	np
612	2019B2725	Structural analysis of methane monooxygenase	Hideaki Ogata	Hokkaido University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	np
613	2019B2726	Structural analysis of RNA-binding Pentatricopeptide repeat (PPR) proteins	Takamasa Teramoto	Kyushu University	Japan	Educational Organization	Life Science	3.875	PX-BL (BL45XU)	np
614	2019B2727	Structural studies to elucidate catalytic mechanism of polymer synthase	Min Fey Chek	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	1.875	PX-BL (BL41XU)	np
615	2019B2728	Precise Analyses on Oxidases' Crystal Structures	Takao Hibi	Fukui Prefectural University	Japan	Educational Organization	Life Science	5.875	PX-BL (BL26B1)	np

2019B, Performed Budding Researchers Support Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B1613	ARPES investigation of new type of topological crystalline insulator Ba3Cd2As4	Jiajun Li	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	11.75	BL25SU	np
2	2019B1736	Fine Analysis for Self-Organized Nanostructures of U-Shaped Organic Semiconductor Thin Films Showing Excellent Charge Transport Property	Tatsuya Mori	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	np
3	2019B1738	Construction of Hydrogen-bonded Organic Frameworks Composed of Electron-deficient pi-Systems	Qin Ji	Hokkaido University	Japan	Educational Organization	Chemical Science	6	BL26B1	np
4	2019B1740	Clarifying the effect of difference in synthesized pressure on its spin state of iron and compressibility of bridgmanite by synchrotron Mössbauer spectroscopy and X-ray diffraction measurement	Yoshiyuki Okuda	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	np
5	2019B1741	Study on local crystallographic and electric structures around Fe in Fe doped AlN films	Nobuyuki Tatemizo	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	5.5	BL01B1	np
6	2019B1743	Structure analysis of titanium ions in hydrochloric acid solutions	Tatsuya Tsurumura	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL04B2	np
7	2019B1744	The elucidation of phase transition from perovskite-type to LiNbO3-type structure in Li _x ReO ₃	Kohdai Ishida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	2.75	BL02B2	np
8	2019B1745	Temperature Dependence of Phase Behavior and Structural Change of Lithium Sulfide Ionic Conductor	Yuxiang Li	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	np
9	2019B1746	Analysis of electronic states in amorphous oxide semiconductor hetero interface	Yusaku Magari	Kochi University of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL47XU	np
10	2019B1748	Crystal structure of 122 Zintl phase thermoelectric compounds	Haruno Kunioka	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	5.875	BL02B2	np
11	2019B1749	Three-dimensional microstructure analysis and growth process elucidation based on synchrotron radiation CT images using adult and pediatric lungs	Kurumi Saitou	Tokushima University	Japan	Educational Organization	Medical Applications	6	BL20B2	np
12	2019B1750	Phonon dispersion measurements and evaluation of phonon lifetime for single-crystalline SiGe by inelastic X-ray scattering	Ryo Yokogawa	Meiji University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL35XU	np
13	2019B1752	Magnetic structure induced in Au layers of Fe/Au(111) multilayers by resonant X-ray magnetic scattering at the Au L3 absorption edge	Yoshitomo Jikuya	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	np
14	2019B1757	Structure analysis of hexagonal perovskite containing unusually high valence Fe ⁴⁺ ions	Zhenhong Tan	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	2.75	BL02B2	np
15	2019B1758	Development of the high-power and stable soft x-ray beam for high-throughput ptychography	Yoko Takeo	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	6	BL25SU	np
16	2019B1760	Quantitative Analysis for Structure of PdO Nanoparticles using High-Energy total X-ray Scattering	Kazumasa Murata	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL04B2	np
17	2019B1761	A combined Operando XAS-DRIFTS observation on supported Pt catalysts exhibiting the different selectivity during hydrogenation of CO ₂	Soichi Kikkawa	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	np
18	2019B1764	Structure analysis of Zr ₂ CuSb ₃ -type novel antimonides with metal-Sb ordered/disordered square planar	Kazunari Arai	Kyoto University	Japan	Educational Organization	Chemical Science	5.875	BL02B2	np
19	2019B1765	In-situ observation of C-Fe bond length in martensitic steel solution carbon by using soft X-ray absorption spectroscopy	Kakeru Ninomiya	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL27SU	np
20	2019B1766	Demonstration of large field of view super-resolution scanning transmission X-ray imaging using inclined biconcave parabolic refractive multilens array	Talgat Mamyrbayev	Karlsruhe Institute of Technology	Germany	Foreign	Beamline Engineering	8.75	BL20B2	np
21	2019B1767	Observation of change in layer structure of clay minerals in subcritical water condition (Part 2)	Tatsuya Fukuda	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	np

2019B, Performed Budding Researchers Support Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
22	2019B1771	Temperature dependence of local structure and configurational entropy in alkylated perfluorobenzene liquids	Masami Nirei	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	np
23	2019B1774	X-Ray Structural Analysis for Microcrystals of Compounds Having Highly Reactive Double Bonds Between Heavier Main Group Elements	Fumiaki Suzuki	Rikkyo University	Japan	Educational Organization	Chemical Science	8.75	BL02B1	np
24	2019B1776	In-situ synchrotron X-ray diffraction study on the novel Ba-In oxy-hydroxides at elevated temperatures	Kenji Arai	Kanagawa University	Japan	Educational Organization	Chemical Science	3	BL02B2	np
25	2019B1778	Structure analysis of Ruddlesden–Popper phase hydrated oxyhydroxides for oxygen electrocatalysts	Hidetoshi Sonoki	Mie University	Japan	Educational Organization	Chemical Science	6	BL02B2	np
26	2019B1779	Probing the Cu-O Bond stretching phonon by inelastic X-ray scattering in the underdoped ($x \sim 0.1$) and undoped ($x = 0$) $\text{Ca}_{2-x}\text{CuO}_2\text{Cl}_2$ cuprate	Takumi Nishikubo	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	14.875	BL35XU	np
27	2019B1781	Evaluation of lattice preferred orientation of hcp iron using high brightness X-ray diffraction measurements: Toward resolving thermal conductivity problem of Earth's core	Yohan Park	Tokyo Institute of Technology	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	np
28	2019B1782	Structural Analysis of Assemblies Formed by Quaternary Ammonium Salt-Type Novel Ionic Liquids	Risa Kawai	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	np
29	2019B1783	Investigation of crystal structure and negative thermal expansion property of $\text{BiNi}_{1-x}\text{Fe}_x\text{O}_3$ synthesized using Ni^{3+} containing hydroxides amorphous precursor	Takumi Nishikubo	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	np
30	2019B1784	Development of functional materials based on precise structural analysis and understanding of molecular alignment of pentafulvalene derivative ultrafine crystals	Masahiro Hayakawa	Nagoya University	Japan	Educational Organization	Chemical Science	3	BL02B1	np
31	2019B1785	Permeability of fluid-bearing deep-seated rocks: effect of wetting property and microstructural development	Wakana Fujita	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	3	BL20XU	np
32	2019B1790	Study on Network Morphology and Filler Dispersion of Sulfur Cross-linked Isoprene Rubber by Small Angle X-ray Scattering , 2	Kosuke Miyaji	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	np
33	2019B1792	Crystal structure determination for the transition- metal chalcogenides LiCrSe_2 and NaCrTe_2	Elisabetta Nocerino	KTH Royal Institute of Technology	Sweden	Foreign	Materials Science and Engineering	5.75	BL02B2	np
34	2019B1794	Time-development of melting and recrystallization in annealing near melting points.	Daisuke Tadokoro	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.75	BL40B2	np
35	2019B1796	XAFS study on the effect of the structure of yttrium species on SiO_2 its catalytic activity for biomass conversion	Takeshi Aihara	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL01B1	np
36	2019B1797	Nanobeam X-ray diffraction analysis of local strain around individual threading dislocations in GaN bulk single crystals grown by hydride vapor phase epitaxy	Takeaki Hamachi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	np
37	2019B1798	Structural determination of alkane clathrates showing multiple spin state change using in situ single crystal X-ray diffraction measurement	Haruka Yoshino	Kyushu University	Japan	Educational Organization	Chemical Science	6	BL02B1	np
38	2019B1800	Reliability of dental glass ceramic prosthesis: Zr structural environment in function of nucleation conditions - complementary work.	Martin Brehl	FAU Erlangen-Nuremberg	Germany	Foreign	Materials Science and Engineering	11.75	BL13XU	np
39	2019B1801	Dislocation microstructure and deformation behavior of high / medium entropy alloys	Shuhei Yoshida	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL46XU	np
40	2019B1802	Evaluation of atomic vibration for SiGe thin films by XAFS	Kazutoshi Yoshioka	Meiji University	Japan	Educational Organization	Industrial Applications	9	BL14B2	np
41	2019B1803	Understanding of the Aggregation Mechanism of Organic Semiconductor Molecules in a Thin Film by Using In-situ 2D-GIXD Measurements	Kazutaka Tomita	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL19B2	np

2019B, Performed Budding Researchers Support Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
42	2019B1806	Study on network domains in vulcanizates by in situ XAFS	Yuta Sakaki	Kyoto Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL14B2	np
43	2019B1807	Effects of additives of metal halide perovskite crystals on crystallization process	Yuiga Nakamura	The University of Tokyo	Japan	Educational Organization	Industrial Applications	12	BL19B2	np
44	2019B1860	Air/liquid interfacial synthesis of electronic functional porous metal-complex nanosheet crystals -clarification of structure and orientation of nanosheets on solid substrates by grazing incident X-ray diffraction measurements-	Takashi Ohata	Osaka Prefecture University	Japan	Educational Organization	Industrial Applications	9	BL19B2	np
45	2019B1861	Study on structural analysis of Fe/CeO2 catalysts in selective hydrodeoxygenation of guaiacol to phenol	Congcong Li	Tohoku University	Japan	Educational Organization	Industrial Applications	3	BL14B2	np
46	2019B1865	Effects of solvents on the crystallization of halide perovskite polycrystals	Yuiga Nakamura	The University of Tokyo	Japan	Educational Organization	Industrial Applications	6.875	BL19B2	np
47	2019B1867	Clarification of formation and several kinds of toxic elements removal mechanism of δ-MnO2 by XAFS analysis	Tatsuya Kato	Waseda University	Japan	Educational Organization	Industrial Applications	3	BL14B2	np
48	2019B1905	Evaluation of Thermal Expansion Coefficient in GeSn Mesa Structure with Anisotropic Triaxial Strain by Reciprocal Space Mapping	Kazutoshi Yoshioka	Meiji University	Japan	Educational Organization	Industrial Applications	11.375	BL19B2	np
49	2019B1906	Development and function elucidation of high performance and multiple functional catalyst for fuel reforming with exhaust gas as modifier	Mii Betchaku	Tohoku University	Japan	Educational Organization	Industrial Applications	3	BL14B2	np
50	2019B1907	Structural Analysis of Self-assembled Palladium Catalyst, Sulfur-modified Glass-supported Pd, SGIPd, Treated by Microwave	Makito Yamada	Osaka University	Japan	Educational Organization	Industrial Applications	5.75	BL14B2	np
51	2019B1908	Crystal Structures of C70 on Organic Semiconductor Single Crystals	Ryohei Tsuruta	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	9	BL19B2	np
52	2019B1909	Local structure analysis of multi-component alloys showing high three-way catalytic activity by XAFS analysis	Taiki Hirakawa	Kumamoto University	Japan	Educational Organization	Industrial Applications	6	BL14B2	np

2019B, Performed Time-Designated Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B2000	X-ray CT measurement of Lithium ion battery	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	2	BL47XU	p
2	2019B2001	Soft X-ray analysis of functional materials	Hajime Nakamura	Shin-Etsu Chemical Co., Ltd.	Japan	Industry	Industrial Applications	3	BL25SU	p
3	2019B2003	characterization of x-ray imaging detectors	Takaki Hatsui	RIKEN	Japan	National and Nonprofit Organization	Beamline Engineering	5	BL29XU	p
4	2019B2004	Determination of the 3D structure by Synchrotron white x-ray.	Ayumi Kihara	SUMCO TECHXIV CORPORATION	Japan	Industry	Industrial Applications	2	BL28B2	p
5	2019B2007	Structure measurement of aluminosilicate glasses by X-ray scattering	Atsushi Tanaka	Nippon Electric Glass Co.,Ltd.	Japan	Industry	Materials Science and Engineering	1	BL04B2	p
6	2019B2016	Study of damage induced by x-ray irradiation and analysis of chemical state at interface	Masaki Oura	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	26	BL17SU	p
7	2019B2022	Structural Biology of Protein-Peptide complex for Drug Discovery	Eriko Matsuoka	Shionogi & Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL45XU	p
8	2019B2023	Evaluation of subsurface damage in SiC substrate for optimization of CMP conditions	Shogo Chiba	Saito Optical Science Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	p
9	2019B2037	Optimization of Refrigeration Condition by X-ray CT using Synchrotron Radiation	Shigeru Akiyama	(有) マルセ秋山商店	Japan	Industry	Industrial Applications	1	BL14B2	p
10	2019B2041	Elucidation of the localization of starch in rice	Takefumi Masuzawa	IRIS OHYAMA Inc.	Japan	Industry	Materials Science and Engineering	2	BL40B2	p
11	2019B2042	Detection of small internal fatigue cracks using synchrotron radiation CT	Takashi Nakamura	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	1	BL20XU	p
12	2019B2043	The measurement of farm products (green soybeans) by the phase-contrast X-rays CT.	Yukiya Kogasaka	JA Sendai	Japan	Industry	Industrial Applications	1	BL20B2	p
13	2019B2044	Observation of surface damage in polished materials for optoelectronics device using synchrotron radiation	Daisuke Tanaka	Ahikofinetec	Japan	Industry	Industrial Applications	0.875	BL20XU	p
14	2019B2046	Tomography for bridging nano and macro: semi-spontaneous interfacial debonding	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	1	BL20XU	p
15	2019B2047	Direct observation on welded zone in bonded steel sheet using X-ray projection imaging and X-ray CT.	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	1	BL28B2	p
16	2019B2050	Electronic state analysis of inorganic insulating films	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	1.875	BL46XU	p
17	2019B2055	Microbeam X-ray diffraction study of a knife	Kazunori Chihara	Toyo Knife co.,Ltd.	Japan	Industry	Materials Science and Engineering	1	BL40XU	p
18	2019B2059	Data collection for Kras crystals	Nithya Baburajendran	Experimental Drug Development Centre	Singapore	Foreign	Life Science	0.25	BL45XU	p
19	2019B2065	XMCD measurements for permanent magnets 3	Akihito Kinoshita	TOYOTA MOTOR CORPORATION	Japan	Industry	Materials Science and Engineering	3	BL39XU	p
20	2019B2071	Evaluation of an ultraprecise Wolter mirror for a high-resolution X-ray telescope	Akira Miyake	Canon Inc.	Japan	Industry	Beamline Engineering	0.625	BL29XU	p

2019B, Performed SPring-8 Measurement Services

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B2005	Small Angle Scattering of Powder	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
2	2019B2006	Evaluation of Emulsions	Yozo Kudo	Kobayashi Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
3	2019B2008	Chemical form analysis of cesium and related elements in soil	Yuichi Takaku	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Industrial Applications	1	BL14B2	p
4	2019B2009	SAXS study on various functional materials	Takuya Masuda	National Institute for Materials Science	Japan	National and Nonprofit Organization	Industrial Applications	1.25	BL19B2	p
5	2019B2010	X-ray Diffraction of Steel	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
6	2019B2011	Powder XRD measurement	Hiroki Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	p
7	2019B2015	Powder X-ray diffraction of metal oxides	Naomi Suzuki	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
8	2019B2019	XAFS analysis of resin films	Tetsuo Tominaga	JSR Corporation	Japan	Industry	Industrial Applications	0.5	BL14B2	p
9	2019B2021	SAXS study of silica nano-particles in the rubber	Masanori Sunagawa	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	p
10	2019B2024	SAXS measurement of Plastic materials	Itsuki Saito	Polyplastics Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
11	2019B2025	X-ray Diffraction of Steel	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
12	2019B2026	EXAFS of Ceria-Zirconia Materials	Husn Islam	Johnson Matthey Plc	UK	Foreign	Industrial Applications	1.25	BL14B2	p
13	2019B2029	Structural analysis of the cathode and anode materials for advance lithium ion batteries	Masanori Morishita	Yamagata University	Japan	Educational Organization	Industrial Applications	0.5	BL19B2	p
14	2019B2030	Electronic state analysis of positive active material for Li-ion battery	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	0.5	BL14B2	p
15	2019B2031	Investigation of Li ion battery materials	Yi-Tao Cui	SANKA High Technology Co. Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
16	2019B2032	XAFS analysis of resin films (2)	Tetsuo Tominaga	JSR Corporation	Japan	Industry	Industrial Applications	1	BL14B2	p
17	2019B2033	Small Angle Scattering of Steel	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
18	2019B2034	Powder XRD measurement	Hiroki Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	p
19	2019B2035	Evaluation of dispersion state of filler in resin	Hiroki Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	p
20	2019B2036	XAFS measurements of thin films	Yuta Inaba	Sony Corporation	Japan	Industry	Industrial Applications	1	BL14B2	p
21	2019B2038	Powder X-ray Diffraction of low-strain sample	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p

2019B, Performed SPring-8 Measurement Services

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
22	2019B2040	XRD measurement of catalyst	Toshinori Ikeda	CHUSEI OIL CO., LTD	Japan	Industry	Industrial Applications	0.75	BL19B2	p
23	2019B2049	2D-GIXD measurement of Organic thin films	Yuta Inaba	Sony Corporation	Japan	Industry	Industrial Applications	0.25	BL46XU	p
24	2019B2052	Local structure analysis of positive electrode for Li-ion battery	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	0.25	BL14B2	p
25	2019B2054	Analysis of filler dispersion in resin	Rika Ohashi	Sumiriko Techno Company Limited	Japan	Industry	Industrial Applications	0.5	BL19B2	p
26	2019B2056	Small angle X-ray scattering of steel material	Toshinori Ishida	JFE Steel Corporation	Japan	Industry	Industrial Applications	0.75	BL19B2	p
27	2019B2060	Small Angle Scattering of Powder	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
28	2019B2062	SAXS measurement of Plastic materials	Itsuki Saito	Polyplastics Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
29	2019B2063	Powder X-ray Diffraction of low-strain sample II	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
30	2019B2064	Poder XRD measurement	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	p
31	2019B2067	SAXS study of silica nano-particles in the rubber II	Masanori Sunagawa	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	p
32	2019B2068	X-ray diffraction of metals	Keisuke Tomiyasu	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.75	BL19B2	p
33	2019B2070	XAFS measurement of functional rubber	Yohei Nakanishi	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	0.5	BL14B2	p
34	2019B2072	XAFS measurement of oxide powder	Atsushi Nakamura	Koito Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL14B2	p
35	2019B2074	XAFS measurements of battery materials.	Masayuki Inaba	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	1.5	BL14B2	p
36	2019B2075	XAFS measurements of inorganic films	Yuta Inaba	Sony Corporation	Japan	Industry	Industrial Applications	1	BL14B2	p
37	2019B2076	Powder X-ray Diffraction of low-strain sample III	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
38	2019B2077	Crystal structure analysis of lithium ion conducting sulfides	Ryoji Kanno	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	0.5	BL19B2	p
39	2019B2078	X-ray Diffraction of Steel	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
40	2019B2079	Powder XRD	Naoki Takao	Daicel Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	p

2019B, Performed Feasibility Study Proposals for Industrial Application

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B2012	Trial of Powder Diffraction for low-strain powders.	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	p
2	2019B2045	Residual stress measurement of BaTiO ₃ -based MLCC by high resolution x-ray diffraction using 2D detector	Ryo Osone	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.25	BL46XU	p
3	2019B2048	Observation of Pharmaceutical Particles by X-ray Computed Tomography	Masahiko Yoshiki	TOSHIBA CORPORATION	Japan	Industry	Industrial Applications	0.25	BL46XU	p
4	2019B2051	Observation of Tablets in Water by X-ray Radiography	Masahiko Yoshiki	TOSHIBA CORPORATION	Japan	Industry	Industrial Applications	0.25	BL14B2	p
5	2019B2053	Structural characterization of porous carbon materials by SAXS.	Ryoichi Saotome	Ricoh Company, Ltd.	Japan	Industry	Industrial Applications	0.125	BL19B2	p
6	2019B2057	Crystal structure analysis of lithium ion battery electrode material by x-ray diffraction	Ryo Osone	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	p
7	2019B2058	Three dimensional structure obserabation of lithium ion battery using x-ray computed tomography	Ryo Osone	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.25	BL14B2	p
8	2019B2061	The analysis of the edible oil	Kanji Aoyagi	The Nisshin OilIIO Group, Ltd.	Japan	Industry	Industrial Applications	0.125	BL19B2	p
9	2019B2069	SAXS measurements of metals	Keisuke Tomiyasu	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.125	BL19B2	p
10	2019B2073	Anomouls small-angle X-ray scattering measurements for steel material	Toshinori Ishida	JFE Steel Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	p

2019B, Performed Priority Research Proposals: Industrial Application Proposals Using Advanced Technology

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B1811	Analysis of the chemical form of sulfur and zinc compounds in polyolefin films using STXM	Yohei Nakanishi	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	5.75	BL27SU	np
2	2019B1812	Measurement of phonon dispersion and lifetime of Mg3Sb2-based thermoelectric materials with low thermal conductivity	Tsutomu Kanno	Panasonic Corporation	Japan	Industry	Industrial Applications	14.125	BL35XU	np
3	2019B1813	Observation of microwave-aided synthesis for sulfide solid electrolytes using time resolved PDF	Futoshi Utsuno	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	14.5	BL08W	np
4	2019B1817	Relation between structural formation of magnetic particles in mesoscopic scale and bulk elastic modulus for magnetic responsive soft materials	Tetsu Mitsumata	Niigata University	Japan	Educational Organization	Industrial Applications	5.875	BL20XU	np

2019B, Performed Priority Research Proposals: Cross-SR Facility User Proposals for Industrial Application

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or Supercomputers (public computational resource of HPCI including the K computer).

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B1808	Evaluation of band alignment of perovskite solar cells	Naoyuki Shibayama	The University of Tokyo	Japan	Educational Organization	Industrial Applications	8.625	BL46XU	np
2	2019B1869	Analysis on Electrode/Solid Electrolyte Interface in All-Solid-State Sodium Battery by Voltage-Applied In-Situ Hard X-Ray Photoemission Spectroscopy	Takayuki Yamamoto	Nagoya University	Japan	Educational Organization	Industrial Applications	12	BL46XU	np
3	2019B1871*	Analysis of surface structure on the gel material for Contact Lenses	Eri Ito	Menicon Co., Ltd.	Japan	Industry	Industrial Applications	9	BL46XU	np
4	2019B1910*	Analysis of surface structure on the gel material for Contact Lenses	Eri Ito	Menicon Co., Ltd.	Japan	Industry	Industrial Applications	5.5	BL46XU	np

2019B, Performed Non-Proprietary Grant-Aided Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B1001	Structural analysis of catalyst layer for polymer electrolyte fuel cells by ultra-small-angle X-ray scattering: effect of drying rate	Hidetoshi Matsumoto	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL20XU	np
2	2019B1002	Protein Crystallographic Analyses on 'Platform Project for Supporting Drug Discovery and Life Science Research(BINDS)'	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	28.875	BL41XU	np
3	2019B1003	Hard X-ray magnetic tomography and high-sensitive magnetoresistance analysis to study the magnetization reversal process of fine-grain Nd-Fe-B sintered magnets	Satoshi Hirosawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	14.875	BL39XU	np
4	2019B1004	Clarification of phase stability of high-performance SmFe ₁₂ based magnets using in-situ high-temperature X-ray diffraction	Satoshi Hirosawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B2	np
5	2019B1005	High-resolution observation of the magnetic domain reversal in high performance permanent magnets at elevated temperature using a scanning soft X-ray MCD microspectroscopy technique	Satoshi Hirosawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL25SU	np
6	2019B1006	Elucidation of formation process of catalyst layer for polymer electrolyte fuel cells by time-resolved nanostructural analysis: effect of drying rate	Hidetoshi Matsumoto	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	np
7	2019B1007	Characterization of crystal perfection and lattice-plane orientation mapping of homo-epitaxial GaN (0001) thin films	Osami Sakata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	5	BL20B2	np
8	2019B1008	Development of depth resolve technique in Scanning X-ray Back Scattered Diffraction microscopy	Ryuji Tamura	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	np
9	2019B1009	Operando analysis of singularity structures and dynamics of piezo-induced ultra-small lattice deformation in nitride semiconductor devices by nanobeam X-ray diffraction	Akira Sakai	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	np
10	2019B1010	Structure Analysis of Coordination Nanosheets by GIXD measurements	Sono Sasaki	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL05XU	np
11	2019B1011	In-situ small-angle X-ray scattering / wide-angle X-ray diffraction simultaneous measurements on the microphase-separated structure of thermoplastic elastomers during the deformation process at various temperatures	Atsushi Takahara	Kyushu University	Japan	Educational Organization	Chemical Science	5.875	BL40XU	np
12	2019B1012	Analysis of trace elements in a human cultured myocyte using nanobeam X-ray fluorescence spectrometer	Shigekazu Fujioka	Osaka Health Science University	Japan	Educational Organization	Life Science	2.5	BL37XU	np
13	2019B1013	Exploration of a possible role of the Co (La) sp electronic states in the unusual magnetism of trivalent Co oxides	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	np
14	2019B1014	In-situ X-ray absorption spectroscopy study of electrocatalysts for oxygen evolution reaction(2)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL01B1	np
15	2019B1015	X-ray diffraction study of electrocatalysts for oxygen evolution reaction(1)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL02B2	np
16	2019B1016	Effect of the specific adsorption of sulfonate group in ionomer and adsorbed oxide species on the oxygen reduction reaction activity of PEFC catalyst	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	10.375	BL37XU	np
17	2019B1017	Structural study of pulmonary venous stenosis in congenital heart disease with phase-contrast X-ray CT	Yoshihiro Oshima	HYOGO PREFECTURAL KOBE CHILDREN'S HOSPITAL	Japan	National and Nonprofit Organization	Life Science	3	BL20B2	np
18	2019B1018	Structural study of human cardiovascular system with phase-contrast X-ray CT	Yoshihiro Oshima	HYOGO PREFECTURAL KOBE CHILDREN'S HOSPITAL	Japan	National and Nonprofit Organization	Life Science	3	BL20B2	np
19	2019B1019	UMigration and species of mercury from the stabilized product in model landfill cells	Masaki Takaoka	Kyoto University	Japan	Educational Organization	Environmental Science	8.75	BL37XU	np

2019B, Performed Non-Proprietary Grant-Aided Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
20	2019B1020	Investigation for the formation mechanism of Kink structure by 3D observation using synchrotron radiation CT and XRD	Kazuya Aizawa	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL20XU	np
21	2019B1021	Investigation of local structure change Pt/C catalyst for polymer electrolyte fuel cells via total X-ray scattering under annealing	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	5.875	BL08W	np
22	2019B1022	operando soft X-ray absorption spectroscopy study of temperature dependency about oxygenated adsorbed species on Pt/C catalyst	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	8.875	BL27SU	np
23	2019B1023	Electronic structure analysis of sulfonic group in ionomer for polymer electrolyte fuel cells at several temperatures using operando soft X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL27SU	np
24	2019B1024	Interfacial structural analysis between electrode and ionomer for polymer electrolyte fuel cells under annealing condition with humidity using operando grazing incidence small-angle x-ray scattering	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40B2	np
25	2019B1025	Clarification of Li metal dendrite growth mechanism inside all-solid-state lithium battery using X-ray imaging method	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL20XU	np
26	2019B1026	Measurement of local residual stress distributions of kinks in compressive deformed LPSO type Mg alloy	Tomotaka Miyazawa	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	8.625	BL28B2	np
27	2019B1027	Coordination structure analysis of fluoride ion in electrolyte solution for FSB using soft X-ray XAFS	Takeshi Abe	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL27SU	np
28	2019B1028	in-situ XAFS studies on oxygen reduction reaction on platinum monolayer core-shell electrocatalysts	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	11.625	BL14B2	np
29	2019B1029	In-situ analysis on work hardening behavior of 0.15C-2Si-7Mn ultrafine grained martensitic steel and fine grained Ti-17 alloy with excellent strength – ductility balance	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL46XU	np
30	2019B1030	In-situ diffraction analysis during tensile test of bulk nanostructured metals for clarifying their unique mechanical properties VI	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL46XU	np
31	2019B1819	Structural analysis of platinum core-shell electrocatalysts by using in situ XAFS	Hideo Inoue	ISHIFUKU Metal Industry Co., Ltd.	Japan	Industry	Industrial Applications	6	BL14B2	np
32	2019B1820	Elucidation of the electron state and local fine structure of metal active site on various bimetallic nano alloy supported catalyst. Various nano alloy such as Au-Pd and Ni-Pd supported catalysts showed high catalytic activity for C-hetero atom bond formation thanks to ligand and ensemble effect, and metal-support interaction.	Kazuya Yamaguchi	The University of Tokyo	Japan	Educational Organization	Industrial Applications	2	BL14B2	np
33	2019B1872	Electronic states and structures analysis of metal nanoparticle catalysts by XAFS	Yuta Hashiguchi	Research Association of High-Throughput Design and Development for Advanced Functional Materials	Japan	Industry	Industrial Applications	4	BL14B2	np

2019B, Performed Long-term Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B0144	Crystal structure analysis of ion pumps	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	17.875	BL41XU	np
2	2019B0145	X-ray Study of High-speed Microscale Fuel Sprays for Modern Engines: Development of advanced X-ray measurement techniques for the analysis of undiscovered physical properties	Seoksu Moon	Inha University	Korea	Foreign	Industrial Applications	29.375	BL40XU	np
3	2019B0148	Development of sustainable science by molecular environmental geochemistry using X-ray nanospectroscopy	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	8.125	BL01B1	np
4	2019B0149	Mbar chemistry	Katsuya Shimizu	Osaka University	Japan	Educational Organization	Materials Science and Engineering	18	BL10XU	np
5	2019B0150	Identifying mechanisms to improve newborn respiratory function using phase contrast X-ray imaging	Stuart Hooper	Hudson Institute/ Monash University	Australia	Foreign	Medical Applications	18	BL20B2	np
6	2019B0153	Structural analysis of CRISPR-Cas nucleases	Osamu Nureki	The University of Tokyo	Japan	Educational Organization	Life Science	5.875	BL41XU	np
7	2019B0155	Time resolved analysis of zeolite formation mechanism at atomic and nano scales: Towards the design of novel functional zeolites	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	36	BL04B2	np
8	2019B0156	Development of sustainable science by molecular environmental geochemistry using X-ray nanospectroscopy	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	32.875	BL37XU	np
9	2019B0157	Single Crystal X-ray Structural Analysis of Self-Assembled Giant Hollow Complexes and its Applications	Makoto Fujita	The University of Tokyo	Japan	Educational Organization	Chemical Science	1	BL41XU	np
10	2019B0159	Advanced Structural Materials Science using high energy X-ray with two dimensional detector.	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	47.75	BL02B1	np
11	2019B0164	Development of tender X-ray ptychography and its application	Yukio Takahashi	Tohoku University	Japan	Educational Organization	Beamline Engineering	14.375	BL27SU	np
12	2019B0165	Initial analysis of Hayabusa2 samples using X-ray tomography; development and evaluation of the analytical method and actual analysis.	Akira Tsuchiyama	Ritsumeikan University	Japan	Educational Organization	Earth and Planetary Science	18	BL20XU	np
13	2019B0166	Initial analysis of Hayabusa2 samples using X-ray tomography; development and evaluation of the analytical method and actual analysis.	Akira Tsuchiyama	Ritsumeikan University	Japan	Educational Organization	Earth and Planetary Science	24	BL47XU	np
14	2019B0167	Single Crystal X-ray Structural Analysis of Self-Assembled Giant Hollow Complexes and its Applications	Makoto Fujita	The University of Tokyo	Japan	Educational Organization	Chemical Science	9	BL26B1	np

2019B, Performed Priority Research Proposals: Partner User Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B0067	Advancement of ambient pressure solution cell development and observation of liquid electronic state, for elucidation of solid-liquid interface phenomena	Eiji Ikenaga	Nagoya University	Japan	Educational Organization	Chemical Science	44.75	BL47XU	np
2	2019B0068	High-energy X-ray multi-purpose one-dimensional diffraction for the materials science research under external fields	Chikako Moriyoshi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	41.75	BL02B2	np
3	2019B0069	Advancement of science for understanding dynamics of the Earth's deep interior utilizing large-volume press	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	47.5	BL04B1	np
4	2019B0070	Study of orbital physics by precise electron density analysis including operand measurements	Hiroshi Sawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	41.5	BL02B1	np
5	2019B0071	Construction of composite measurement technology of resonant hard x-ray photoemission and resonant x-ray emission spectroscopies, for elucidating quantum critical phenomena of strongly correlated electron system	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	35.375	BL09XU	np
6	2019B0072	Novel development of high-pressure and high-temperature diamond-anvil cell experiments	Kei Hirose	Tokyo Institute of Technology	Japan	Educational Organization	Earth and Planetary Science	47	BL10XU	np
7	2019B0073	Charge dynamics in molecular materials with strongly correlated electrons studied by infrared imaging spectroscopy	Takahiko Sasaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	35.75	BL43IR	np
8	2019B0076	Accomplishment of high-energy 4D imaging technique for structural materials and its coupling with X-ray diffraction	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	32.75	BL20XU	np

2019B, Performed Epoch-making Initiatives Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2019B0938	Time evolution of the passivation layer at iron and iron alloy surfaces	Yusuke Wakabayashi	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL13XU	np
2	2019B0940	Structure of solid-liquid interface and material transport dynamics during atmospheric corrosion of steel	Takashi Doi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL27SU	np
3	2019B0943	Analysis of electroless plating reaction by time-resolved XAFS	Junichi Nakajima	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	6	BL28B2	np
4	2019B0944	Realtime observation of structural change of interface between substrate, metallic species, and supports of automobile exhaust catalysts 3	Hiroyuki Asakura	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	np
5	2019B0945	Metal-support interface of metal cluster catalysts	Hiroyuki Asakura	Kyoto University	Japan	Educational Organization	Chemical Science	8.875	BL37XU	np
6	2019B0948	XAS-based Initiative for the Future Flow Synthetic Technology	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40XU	np
7	2019B0950	XAS-based Initiative for the Future Flow Synthetic Technology	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL14B2	np
8	2019B0952	XAS-based Initiative for the Future Flow Synthetic Technology	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL47XU	np
9	2019B0953	Analysis of depth distribution and chemical state of water and solute at solid-liquid interface	Kosuke Yamazoe	The University of Tokyo	Japan	Educational Organization	Chemical Science	5.5	BL43IR	np