S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1	2021B1083	Structural elucidation of a water cluster within a noncovalent porous crystal	Shinnosuke Horiuchi	Nagasaki University	Japan	Educational Organization	Chemical Science	9	BL43IR	Np
2	2021B1085	Myosin functional and structural evolution among vertebrate species	Julien Ochala	University of Copenhagen	Denmark	Foreign	Life Science	12	BL40XU	Np
3	2021B1086	Experimental Syntheses of Clathrate Superhydrides CaH6 under high pressures	Yanming Ma	Jilin University	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
4	2021B1089	Structural Analysis of Block Polymer Assemblies having Bioorthogonal Functional Groups Using SAXS Measurements	Tomoki Nishimura	Shinshu University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
5	2021B1090	In-situ XAFS Analysis of Oxygen-deficient Molybdenum Oxide Active for Reverse Water-Gas Shift Reaction at Low Temperature	Yasutaka Kuwahara	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
6	2021B1091	Photoelectric holographic observation of atomic structure changes on GaN and diamond single-crystal surface caused by Al2O3 deposition	Mami Fujii	Kindai University	Japan		Materials Science and Engineering	12	BL25SU	Np
7	2021B1092	X-ray crystallographic analysis of molecular bearings composed of tubular hosts and spherical guest rotors	Taisuke Matsuno	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
8	2021B1096	Structural analysis and the elucidation of formation mechanism of high entropy alloy nanoparticles using in-situ XAFS/XRD	Kohsuke Mori	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
9	2021B1097	XAFS Studies on Active Sites and Catalysis of Mo/SiO ₂ Catalysts for Dehydration of Amides	Mizuho Yabushita	Tohoku University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
10	2021B1098	Microcrystal X-ray Structural Analysis for Extremely Unstable and Reactive Organometallic Compounds	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	5.5	BL40XU	Np
11	2021B1099	Atom-by-atom synthesis of bi- and tri-nuclear metal nanoclusters in metal- organic frameworks and in-situ formation study	Benedict Lo	The Hong Kong Polytechnic University	Hong Kong	Foreign	Chemical Science	6	BL01B1	Np
12	2021B1100	Structural elucidation of binuclear 3d transition metal nanoclusters in zeolites for C-X coupling reaction	Benedict Lo	The Hong Kong Polytechnic University	Hong Kong	Foreign	Chemical Science	3	BL02B2	Np
13	2021B1103	Study of reorientational viscoelasticity of molecular liquids by means of X-ray inelastic scattering	Koji Yoshida	Fukuoka University	Japan		Materials Science and Engineering	12	BL43LXU	Np
14	2021B1104	XAFS Analysis with Cryostat for Precise Characterization of Active Sites and Catalysis of ReOx-Ag/CeO ₂ Catalysts for Transformation of Biomass-Derived Compounds	Keiichi Tomishige	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
15	2021B1106	Investigation of confinement effect on morphology in perfluorosulfonate ionomer nanofibers using precise structural analysis	Hidetoshi Matsumoto	Tokyo Institute of Technology	Japan		Materials Science and Engineering	3	BL40B2	Np
16	2021B1109	Negative thermal expansion in diamond-like AgInX2 (X=S, Se, Te) thermoelectric materials	Yingcai Zhu	Beijing Institute of Technology	China	Foroian	Materials Science and Engineering	3	BL01B1	Np
17	2021B1110	Hyper-ordered partial structures of Er-doped GaGeS infrared optical fiber glasses	Shinya Hosokawa	Kumamoto University	Japan		Materials Science and Engineering	14.375	BL13XU	Np
18	2021B1111	Thermal cycle rejuvenation effect of particle dynamics in Gd65Co35 metallic glass	Shinya Hosokawa	Kumamoto University	Japan		Materials Science and Engineering	15	BL35XU	Np
19	2021B1113	Phosphorus speciation in pasuture soils after 53-year of continuous application of chemical fertilizer and manure	Noriko Yamaguchi	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Environmental Science	6	BL27SU	Np
20	2021B1116	Elucidation of shrinkage mechanism of Zr2SP2O12 having negative coefficient of thermal expansion and improvement of its thermal expansion properties	Toshihiro Isobe	Tokyo Institute of Technology	Japan		Materials Science and Engineering	6	BL02B2	Np
21	2021B1119	Low-temperature high-energy X-ray diffraction experiments on pressure- induced dimerization transition candidates	NAOYUKI KATAYAMA	Nagoya University	Japan		Materials Science and Engineering	9	BL04B2	Np

1Shift	=8Hours
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22	2021B1120	Exploration of structural phase transition in CuRh2Se4 with a spinel lattice	NAOYUKI KATAYAMA	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
23	2021B1121	The Mechanistic Study of the Phase Transitions between Rod-like and Discotic Liquid Crystalline Phases of ether linkage derivatives	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
24	2021B1122	Mechanical Analysis of the Phase Transitions between Rod-like and Discotic Liquid Crystalline Phases of Ester Linkage Derivative	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL40B2	Np
25	2021B1123	Tomography for bridging nano and macro: semi-spontaneous interfacial debonding	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
26	2021B1124	Understanding the Competition of hydrogen embrittlement and ductile fracture for the Development of Next-Generation high-strength Aluminum Alloys	Kazuyuki Shimizu	Iwate University	Japan	Educational Organization	Materials Science and Engineering	8.25	BL20XU	Np
27	2021B1125	Rapid X-Ray Crystallographic Analysis of Organic Electronic Materials by High- Brightness Microbeam	Takuji Hatakeyama	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL40XU	Np
28	2021B1127	Structural analysis of uniaxially aligned structure of liquid-crystalline molecules using polarized infrared micro-spectrometry	Shinichiro Kawano	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
29	2021B1128	New method for evaluation of hydrophilic or hydrophobic surface with FT-IR measurements	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	11.875	BL43IR	Np
30	2021B1132	X-Ray Structural Analysis for Microcrystals of New d– π Electron Systems Containing Heavier Main Group Elements	Shogo Morisako	University of Tsukuba	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
31	2021B1133	Ultra-Small-Angle X-Ray Scattering Studies on Changes in Micrometer-scale Structures Upon Formation of Kink Band in Polymeric Materials Having Mille- Feuille Structure (Stacking Structure Comprising Soft and Hard Layers)	Shinichi Sakurai	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	2	BL20XU	Np
32	2021B1136	Observation of anomalous structural parameters in the short-range order formation process of dimers	NAOYUKI KATAYAMA	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
33	2021B1138	Complex formation behavior consisting of nanoparticles and collagen	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
34	2021B1139	Temperature induced complex formation behavior of chemically different temperature responsive star polymers	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
35	2021B1140	Diffuse scattering and high pressure research based on high energy single crystal X-ray diffraction	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	23.875	BL02B1	Np
36	2021B1141	Local structure analysis of PbPdO2 which shows a novel Co-doping induced ferromagnetism	Akitoshi Nakano	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
37	2021B1143	Dynamic visualization of the morphology of hydrogen micropores during rapid fracture of aluminum	Keitaro Horikawa	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL20B2	Np
38	2021B1145	Designing zeolites by time resolved PDF analysis of non-crystalline ingredients and crystalline materials at an atomic scale	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL08W	Np
39	2021B1149	Vibration analysis of silicate glasses using infrared spectroscopy	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL43IR	Np
40	2021B1150	Microtomographic scanning of hominoid dentognathic fossils from central Myanmar	Reiko Kono	Keio University	Japan	Educational Organization	Life Science	6	BL28B2	Np
41	2021B1152	In situ observation of solidification behaviors for FMS alloy during arc welding and the effect of addition of alloying element using X-ray imaging	Tomoya Nagira	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL20XU	Np

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42	2021B1153	Technical development for the generation of P-T in the Kawai-type multianvil apparatus and the investigation of pressure calibrants above 30 GPa	Daisuke Yamazaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	8.875	BL04B1	Np
43	2021B1154	Detection of organelle containing storage reserves in various seeds using X- ray micro-CT and analysis of degradation of the reserves during seed germination	Daisuke Yamauchi	University of Hyogo	Japan	Educational Organization	Life Science	6	BL20B2	Np
44	2021B1157	Evaluation of molecular aggregation state in an organic-inorganic hybrid block copolymer with well-controlled stereoregularity	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
45	2021B1159	Time resolved measurement of a topochemical redox reaction on iron oxides by using synchrotron X-ray	Takafumi Yamamoto	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	5.5	BL02B2	Np
46	2021B1161	The skin penetration mechanism of W/O type microemulsion containing hydrophobic deep eutectic solvent	Mina Sakuragi	Sojo University	Japan	Educational Organization	Chemical Science	g	BL40B2	Np
47	2021B1162	Chemical-state-discriminated atomic structures of active and inactive dopants in Mg or Si doped GaN structures	Yoshiyuki Yamashita	National Institute for Materials Science	Japan		Materials Science and Engineering	g	BL25SU	Np
48	2021B1163	Elucidation of activation mechanism of oxygen reduction reaction using atomically precise platinum nanocluster by in situ XAFS measurement	Tokuhisa Kawawaki	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	g	BL01B1	Np
49	2021B1164	Effect of premelting on seismic attenuation by short period cyclic loading part2	Takashi Yoshino	Okayama University	Japan		Earth and Planetary Science	15	BL04B1	Np
50	2021B1165	Probing Nematic Correlations Across a Unidirectional Charge-Density-Wave Quantum Phase Transition	Yu Song	Zhejiang University	China	Foreign	Materials Science and Engineering	18	BL35XU	Np
51	2021B1166	Structural investigations of flexible ferroelectric molecular crystals as function of strain	Somnath Dey	RWTH Aachen University	Germany	Foreign	Materials Science and Engineering	8.875	BL40XU	Np
52	2021B1167	Effects of the topology of Pluronic® surfactants on the structure of their micelles	Daichi Ida	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
53	2021B1168	Development of highly active water splitting catalysts by reaction site control using operando all-element observation	Masaaki Yoshida	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
54	2021B1169	Correlation between crystal structure and superprotonic conduction in platinum-dimer based metal–organic frameworks having a preinstalled cationic guest	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	g	BL02B1	Np
55	2021B1170	Investigation of structural phase transitions of novel Pt-dimer based electrically conductive 1D chain complexes with the unsaturated coordination sites	Kazuya Otsubo	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
56	2021B1171	Study on real-space observation of antiferromagnetic magnetization behavior in antiferromagnetic and noble metallic heterojunction system	Akinobu Yamaguchi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	g	BL17SU	Np
57	2021B1174	The role of mitochondrial dysfunction in accelerated coronary vascular ageing in obese diabetic rodents	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	12	BL20B2	Np
58	2021B1175	Defect formation and thermoelectric properties of n-type Zintl thermoelectric materials	Yosuke Goto	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
59	2021B1176	Development of Highly Active and Durable Precious Metal Phosphide Catalysts and Investigation of Their Structure-Activity Relationship	Takato Mitsudome	Osaka University	Japan	Educational Organization	Chemical Science	7	BL01B1	Np
60	2021B1179	Effect of dendrite configuration of alpha phase on internal damages at eutectic phase in hypo-eutectic aluminium casting alloys	Masakazu Kobayashi	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL20XU	Np
61	2021B1180	Creation of light-responsive porous frameworks based on photo-isomerization of dihydropyrene derivatives	Ichiro Hisaki	Osaka University	Japan		Materials Science and Engineering	8.75	BL40XU	Np

1Shift =	=8Hours
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62	2021B1181	Mechanistic Study on Mechanochemical Solid-Phase Organic Reactions	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL39XU	Np
63	2021B1182	Multiscale XMCT Analysis of Wood Cells for Understanding Lignin Degradation	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL47XU	Np
64	2021B1183	Investigation of geometric and electronic structures of tungsten- and rhenium- doped alloy clusters	Shinjiro Takano	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
65	2021B1185	Frustrated Lewis Pairs in Metal-Organic Frameworks for Ammonia Decomposition	Pu Zhao	University of Oxford	UK	Foreign	Chemical Science	1	BL02B2	Np
66	2021B1187	Unraveling local structures of rare-earth ions codoped in long-persistent phosphor crystals by X-ray fluorescence holography	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
67	2021B1188	Elucidation of photoinduced phase transition phenomenon of photochromic diarylethene crystals	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
68	2021B1189	Synthesis and Physical Properties of High-Temperature Superconducting Hydride Systems II	Katsuya Shimizu	Osaka University	Japan	Educational Organization	Materials Science and Engineering	18	BL10XU	Np
69	2021B1190	Study on the polymorphic crystallization and re-organization process of polypropylene random copolymer	Ken Taguchi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
70	2021B1191	CT-XAFS analysis on reaction distribution in lithium titan oxide battery electrode	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL37XU	Np
71	2021B1195	Further investigate tunable thermal expansion behaviours of Ho2(Fe,Al)17 alloys under pressure by X-ray powder diffraction	Xianran Xing	University of Science and Technology Beijing	China	Foreign	Materials Science and Engineering	8.5	BL10XU	Np
72	2021B1197	New amorphous arsenic allotrope and liquid-liquid transition on heating	Evgeny Bychkov	University of the Littoral Opal Coast	France	Foreign	Materials Science and Engineering	8.375	BL04B2	Np
73	2021B1198	Structure-function relationship on a novel thermoelectric semimetal Ta2PdSe6	Akitoshi Nakano	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
74	2021B1199	Studies on the deuteron-lattice interaction in K3D(XO4)2 (X = S, Se) with far-infrared microspectroscopy	Hiroshi Matsui	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	5	BL43IR	Np
75	2021B1200	Structural study on dual-cation electrolyte based on specific phase separation of spiro-type quaternary ammonium salt	Katsuhiko Naoi	Tokyo University of Agriculture and Technology	Japan	Educational Organization	Chemical Science	8.875	BL04B2	Np
76	2021B1201	In situ observation of bubble formation in flowing magma using small-angle X- ray scattering and X-ray imaging	Satoshi Okumura	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	12	BL47XU	Np
77	2021B1202	Observation of Composition Dependence of the Structural Change in Platinum Group Metal High Entropy Alloy (PGM-HEA) Nanoparticles under Reaction Conditions	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B2	Np
78	2021B1203	Evaluation of phonon dispersion of single crystalline GeSn thin layers	Yousuke Shimura	Shizuoka University	Japan	Educational Organization	Materials Science and Engineering	9	BL35XU	Np
79	2021B1204	Development of artificial carbonic anhydrase	Kazuhide Kamiya	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
80	2021B1205	The operando observation of 1nm PGM high-entropy alloy electrocatalysts	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
81	2021B1206	Visualization of perpendicularly-directed antiferromagnetic domain and electric-field induced operation based on nano magnetic characterization using scanning XMCD spectromicroscopy	Yu Shiratsuchi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np

1Shift	=8Hours
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82	2021B1207	Local fine structure of Al-doped Cr_2O_3 thin film exhibiting spontaneous magnetization	Yu Shiratsuchi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
83	2021B1210	In-situ observation of the precipitation of metallic iron from bridgmanite	Masayuki Nishi	Osaka University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
84	2021B1215	Structural Analysis of self-assemblies composed of an amphiphilic copolymer and the kinetics study of their formation	Kazuo Sakurai	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	5.875	BL40B2	Np
85	2021B1217	Structural analysis of Pt NPs by HERFD-XAS	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
86	2021B1218	Elucidation of the anisotropic lattice shrinkage of a novel europium oxyhydride under high pressure	Hiroshi Takatsu	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL04B1	Np
87	2021B1220	Ion liquid facilitated melting and glass formation of Coordination polymers for high anhydrous proton conductivity	Satoshi Horike	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
88	2021B1222	Development of high-pressure viscosity measurement of low viscous liquids using high-speed X-ray imaging	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
89	2021B1223	Structural Analysis of Transition Metal Complexes Exhibiting Thermally- induced Proton Transfer and Coordination Environment Change	Osamu Sato	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
90	2021B1226	Structural Investigation of He Atomic Layers on Graphene and Graphite in Ultra-Low Temperatures	Akira Yamaguchi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
91	2021B1228	Correlative X-ray and Electron imaging of PtNi catalysts degradation in Proton Exchanged Fuel Cell: nanoparticle statistics and beyond	Feng Ryan Wang	University College London	UK	Foreign	Chemical Science	11.875	BL37XU	Np
92	2021B1229	Quantification of absorption and desorption of water molecules in Polysaccharide	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	12	BL43IR	Np
93	2021B1231	Atomic-scale design of metal atom-containing zeolites by X-ray fluorescent holography	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
94	2021B1232	Development of Tumor-Targeting Drug Delivery System with Controlled Release Using Multimeric Lipid-Transporter Protein	Takashi Inui	Osaka Prefecture University	Japan	Educational Organization	Medical Applications	8.875	BL40B2	Np
95	2021B1233	Structural refinements of proton-electron mixed conducting metal complexes	Yukihiro Yoshida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL02B1	Np
96	2021B1234	in situ structural refinements of dimensional-crossover coordination polymers	Yukihiro Yoshida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
97	2021B1235	Dynamics of valence fluctuations in YbAlB4 under multi-extreme conditions studied by synchrotron radiation-based 174Yb Mössbauer spectroscopy	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
98	2021B1236	Structural properties of Fe based superconductors in electronic-nematic states	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	Np
99	2021B1237	Real space mapping of microscope Far-IR spectroscopy in molecular organic materials with strongly correlated pi-electrons	Takahiko Sasaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	Np
100	2021B1239	Precious crystal structure analysis of subnanosized metal cluster molecules with three dimensional architecture	Yusuke Sunada	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
101	2021B1240	Deformation of peridotite under the conditions of subducting slabs: in-situ high-speed stress/strain measurements and implications for the process triggering the occurrence of intraslab earthquakes	Tomohiro Ohuchi	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np

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Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)	
2021B1241	Observation of intravascular kinetics as primary embolic material of imipenem silastatin in vivo using monochromatic X-ray	Hiroki Nakamura	Kawasaki Medical School	Japan	Educational Organization	Medical Applications	6	BL20B2	Np	
2021B1242	Exploration of superionic phase of CaF2 under high temperature and pressure	Kimura Kimura	Gifu University	Japan	Educational Organization	Materials Science and Engineering	12	BL04B1	Np	
2021B1243	Synchrotron X-ray CT observation of defect elimination process in Alumina during stress-assisted sintering	Gaku Okuma	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL20XU	Np	
2021B1244	Giant size effect on ferroelectricity in barium titanate polyhedral particles with micrometer-level particle sizes	Yoshihiro Kuroiwa	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np	
2021B1245	Clarification of the formation mechanism of the peculiar region on the internal fracture surface of titanium alloy	Fumiyoshi Yoshinaka	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL20XU	Np	
2021B1246	Innovative Self-Assembly of Huge Cage Molecules Based on Weak Metal Coordination	Yuya Domoto	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL26B1	Np	
2021B1247	Development of sample for in-situ XAFS measurement of oxygen desorption reaction of perovskite-type oxides in high temperature atmosphere.	Masatsugu Oishi	Tokushima University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np	
2021B1248	In situ observation of magma crystallization by fast X-ray CT	Satoshi Okumura	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	6	BL20B2	Np	
2021B1250	Effects of PKG, oxyfenicine and metformin on the regulation of myosin heads and sarcomere shortening in the in situ myocardium of insulin resistant rodents	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	12	BL40XU	Np	
2021B1252	Relationship between ferroelectric phase transition and lattice instability evaluated by valence electron density study for perovskite-type ferroelectrics	Yoshihiro Kuroiwa	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np	
2021B1254	Constraint on seismic signature of partial melts in mantle rocks by combined time-resolved sound velocity and X-ray measurements at high pressure and high temperature	Steeve Greaux	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np	
2021B1255	Crystal Structure Determination of Low-Crystalline Sulfide MOFs Synthesized by Materials Informatics	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np	
2021B1258	A study on brain organoids prepared from iPS cells of schizophrenia cases	Ryuta Mizutani	Tokai University	Japan	Educational Organization	Life Science	15	BL47XU	Np	
2021B1260	In-situ fracture observation in the F/M interphase of SiC/SiC composites by X-ray multiscale CT	Kazuya Shimoda	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL20XU	Np	
2021B1261	Real-space observation of orbital electrons using high-energy X-rays	Shunsuke Kitou	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.875	BL02B1	Np	
2021B1262	Structural analysis of thin molecular films arranged amphiphilic lanthanide complexes exhibiting both circularly and linearly polarized luminescence	Hitomi Ohmagari	Aoyama Gakuin University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np	
2021B1263	Structural Rearrangement of As-Polymerized Ultra-High Molecular Weight Polyethylene as Evaluated by In-Situ X-ray Measurements during Heating	Hiroki Uehara	Gunma University	Japan	Educational Organization	Chemical Science	9	BL40XU	Np	
2021B1265	Structural analysis of composite oxide mesocrystals	Takashi Tachikawa	Kobe University	Japan	Educational Organization	Materials Science and Engineering	12	BL04B2	Np	
2021B1266	A Study of Dynamic Fermi Surfaces in High-Tc Cuprate Superconductors by High-resolution Compton Scattering (2)	Yoshiharu Sakurai	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	20.875	BL08W	Np	
2021B1267	Structural analysis of novel supramolecular architectures created in microfluidic field	Munenori Numata	Kyoto Prefectural University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np	
	Proposal	Proposal Number Performed Proposal Title 2021B1241 Observation of intravascular kinetics as primary embolic material of imipenem silastatin in vivo using monochromatic X-ray 2021B1242 Exploration of superionic phase of CaF2 under high temperature and pressure 2021B1243 Synchrotron X-ray CT observation of defect elimination process in Alumina during stress-assisted sintering 2021B1244 Giant size effect on feroelectricity in barium titanate polyhedral particles with micrometer-level particle sizes 2021B1245 Clarification of the formation mechanism of the peculiar region on the internal fracture surface of titanium alloy 2021B1246 Innovative Self-Assembly of Huge Cage Molecules Based on Weak Metal Coordination 2021B1247 Development of sample for in-situ XAFS measurement of oxygen desorption reaction of perovskite-type oxides in high temperature atmosphere. 2021B1250 In situ observation of magma crystallization by fast X-ray CT 2021B1250 Relationship between feroelectric phase transition and lattice instability evaluated by valence electron density study for perovskite-type feroelectrics 2021B1254 Constraint on seismic signature of partial metis in mantle rocks by combined time-resolved sound velocity and X-ray measurements at high pressure and high temperature 2021B1255 Crystal Structure Determination of Low-Crystalline Sulfide MOFs Synthesized by Materials Informatics <t< td=""><td>Proposal Number Performed Proposal Title Project Leader 2021B1241 Observation of intravascular kinetics as primary embolic material of impenem sitestatin in viou osing monochromatic X-ray Hiroki Nakamura 2021B1242 Exploration of superionic phase of CaF2 under high temperature and pressure Kimura Kimura 2021B1243 Synchrotron X-ray CT observation of defect elimination process in Alumina during stress-assisted sintening Gaku Okuma 2021B1244 Claint size effect on feroelectricity in barium titanate polyhedral particles with micrometer-level particle sizes Yoshihiro Kuroiwa 2021B1245 Clainfication of the formation mechanism of the peculiar region on the internal fracture surface of titanium alloy Yuya Domoto 2021B1246 Innovative Self-Assembly of Huge Cage Molecules Based on Weak Metal Coordination Yuya Domoto 2021B1247 Development of sample for in-situ XAFS measurement of oxygen desorption reaction of perovskite-type oxides in high temperature atmosphere. 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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
122	2021B1268	High precision multi megabar pressure-generation using improved type DAC operating with ultra-fine actuator.	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL10XU	Np
123	2021B1270	Stress-induced successive phase transformation and deformation behavior in single crystal Cu-Al-Mn superelastic alloy	Hiroshi Akamine	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
124	2021B1271	High pressure far-infrared study of excitonic insulator related compounds Ta2Ni(Se,S)5	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Materials Science and Engineering	14.875	BL43IR	Np
125	2021B1273	Differences in cross-bridge behavior between physiological muscle contraction induced by neural stimulation and artificial muscle contraction induced by direct muscle stimulation	Atsuki Fukutani	Ritsumeikan University	Japan	Educational Organization	Life Science	9	BL40XU	Np
126	2021B1275	Non-destructive rock magnetism by 3D X-ray nano-CT	Yoichi Usui	Japan Agency for Marine- Earth Science and Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL47XU	Np
127	2021B1276	Local structure analysis of proton-conducting perovskite of BaZr0.4Sc0.6-xMxO3 (M=Bi, Sn, Nb, In+ x<0.5)	Yoshitaka Aoki	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
128	2021B1280	Accurate local structure analysis of high-temperature elemental liquids focusing on constituents of metallic glasses	Akitoshi Mizuno	National Institute of Technology, Hakodate College	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
129	2021B1282	High-resolution nano-CT measurement for evaluation of nanoscale fracture behavior in multi-material joints	Tomoki Matsuda	Osaka University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL47XU	Np
130	2021B1284	Development of new methodology for study on the electronic states using non-electric dipole transitions by X-ray emission spectrometer equipped with multi-analyzer crystals (II)	Naomi Kawamura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	14.875	BL39XU	Np
131	2021B1287	Study on the crystalline-field ground-state symmetry of rare-earth elements probed by resonant hard X-ray photoemission spectroscopy	Naomi Kawamura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL09XU	Np
132	2021B1289	Measurements of conformational changes of proteins in a single molecule with white X-ray	Hirofumi Shimizu	University of Fukui	Japan	Educational Organization	Life Science	18	BL28B2	Np
133	2021B1290	Study of highly accurate observation of fracture phenomenon of rubber by fast four-dimensional X-Ray CT imaging.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	9	BL28B2	Np
134	2021B1291	Observation of redispersion process of metal particles on zeolites by means of oeprando XAFS-XRD	Kazu Okumura	Kogakuin University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
135	2021B1292	Observation of d-wave superconducting state in heavy fermion compound CeCoIn5 through Compton scattering experiment	Akihisa Koizumi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	30	BL08W	Np
136	2021B1293	Myofiber analysis of right ventricular outflow tract in tetralogy of Fallot and associated anomalies using phase-contrast X ray CT	Yoshihiro Oshima	HYOGO PREFECTURAL KOBE CHILDREN'S HOSPITAL	Japan	National and Nonprofit Organization	Life Science	9	BL20B2	Np
137	2021B1294	Imaging Nano-meter Scale Structures of Epitaxial Bismuth Thin-Films using Coherent X-ray Scattering	Hiroo Tajiri	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	11	BL13XU	Np
138	2021B1296	Structure analysis of nano-cluster crystals of transition-metal chalcogenides	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	3	BL41XU	Np
139	2021B1298	Adsorption Behavior of a Single Water Molecule on Hydroxylated Open-Cage Fullerene Derivatives	Yoshifumi Hashikawa	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
140	2021B1300	Optical study of electronic structure in FeS at high pressure	Naoki Noguchi	Tokushima University	Japan	Educational Organization	Earth and Planetary Science	9	BL43IR	Np
141	2021B1301	Operando 3D multi-scale analysis of the cycle degradation in solid state batteries using projection CT-XAFS and imaging nano CT-XAFS	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL37XU	Np

1Shift	=8Hours
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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
142	2021B1305	Structural study of metallic compounds by means of High-Energy X-Ray Diffraction and Pair Distribution Function analysis	Saeed Kamali- Moghaddam	University of Tennessee Space Institute	USA	Foreign	Materials Science and Engineering	12	2 BL04B2	Np
143	2021B1307	Studies on the $N_2 O$ adsorption and activation phenomena found in zeolite systems by making use of a Far-IR method	Yasushige Kuroda	Okayama University	Japan	Educational Organization	Chemical Science	e	BL43IR	Np
144	2021B1309	Involvement of angiogenesis in the acceleration of bone repair by low- intensity vibratory stimulation with rest insertion	Takeshi Matsumoto	Tokushima University	Japan	Educational Organization	Medical Applications	ç	BL20B2	Np
145	2021B1311	Investigation of local structure and intrinsic/extrinsic contribution on piezoelectricity in nano/macro domain engineered Bi(Mg1/2Ti1/2)O ₃ -based piezoelectrics.	Sangwook Kim	Hiroshima University	Japan		Materials Science and Engineering	e	BL02B2	Np
46	2021B1312	Investigation of gate-opening-type gas-sorption mechanism of porous coordination polymers by X-ray diffraction and solid-state NMR measurements	Takuya Kurihara	Kanazawa University	Japan	Educational Organization	Chemical Science	e	BL02B2	Np
147	2021B1313	Structural Analysis of Crystalline Block Copolymers Composed of Porous Coordination Polymers	Hiroshi Sato	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	e	BL40XU	Np
48	2021B1314	Hard X-ray Photoemission Spectroscopy of impurity-doped Metal/Perovskite Oxide Junction Resistive Memory	Takeo Ohsawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL09XU	Np
49	2021B1315	Development of a high-speed two-dimensional in-situ XRD measurement system at a maximum temperature of 1500°C	Shintaro Kobayashi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	6 BL02B2	Np
50	2021B1318	Advancement of X-ray elastographic tomography using propagating shear waves for high elastic modulus	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Medical Applications	12	2 BL28B2	Np
51	2021B1319	Local structure analysis of the novel oxide-ion conductors by X-ray total scattering	Kotaro Fujii	Tokyo Institute of Technology	Japan		Materials Science and Engineering	ç	BL04B2	Np
52	2021B1322	Observation of Edelstein effect by using soft-X ray magnetic circular dichroism microscopy	Yoshiyuki Ohtsubo	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	ç	BL25SU	Np
53	2021B1323	Effects of substitution on local structure of MgV2O4-based cathode materials for magnesium rechargeable batteries	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Chemical Science	ç	BL04B2	Np
154	2021B1324	High temperature in-situ time-division PDF analysis for qualifying phase transition behavior of Fe, P-doped dicalcium silicate crystal precipitated in molten steelmaking slag	Masanori Suzuki	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL08W	Np
55	2021B1325	Precise measurement of the production and decay point of double hypemuclei in nuclear emulsion using X-ray microscopy	Junya Yoshida	Tohoku University	Japan	Educational	Elementary Particles, Nuclear Science	6	BL47XU	Np
56	2021B1326	Study of the relationship between local dynamics of rubber and contained reinforcing agent by quasielastic gamma-ray scattering.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	18	BL35XU	Np
57	2021B1327	Circular Peierls transition in ilmenite-type vanadates.	Hajime Yamamoto	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
58	2021B1328	Development of analytical method for elucidating distribution of drugs in mixed power and hair	Yasuo Seto	RIKEN	Japan	National and Nonprofit Organization	Other	18	BL43IR	Np
59	2021B1329	Development of X-ray magnetic nanotomography using full-field imaging optics	Motohiro Suzuki	Kwansei Gakuin University	Japan		Materials Science and Engineering	12	2 BL37XU	Np
60	2021B1330	photoelectron holography of Si crystals doped with Sb	Tomohiro Matsushita	Nara Institute of Science and Technology	Japan	Educational Organization	Industrial Applications	ç	BL25SU	Np
61	2021B1331	Determination of the life-related chemical compound delivered by shock process	Ryosuke Sinmyo	Meiji University	Japan		Earth and Planetary Science	E	BL10XU	Np

1Shift :	=8Hours
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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Nor proprietary(Np)
162	2021B1332	Development of the capillary sealing method for precise structural analysis of supramolecular crystal with cavity	Kosuke Katagiri	Konan University	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
163	2021B1333	Micron-sized single crystal X-ray structure analysis and investigation of charge density distributions of mixed-valence trinuclear ruthenium complexes	Keishiro Tahara	University of Hyogo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
164	2021B1334	Unveiling fuel-property effect on the near-nozzle spray dynamics: aiming to e- fuel designs towards future ICEs	Weidi Huang	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	23.875	BL40XU	Np
165	2021B1335	In Situ Observation of Phase-Separation Behavior and Deformation Behavior of Cyclic Olefin Copolymers with Gradient and Block Sequences	Takumitsu Kida	Japan Advanced Institute of Science and Technology	Japan	Educational Organization	Chemical Science	3	BL40XU	Np
166	2021B1337	Mechanism of light-induced structural change of invertebrate modopsin	Yasushi Imamoto	Kyoto University	Japan	Educational Organization	Life Science	6	BL40B2	Np
167	2021B1338	Amorphous structure of poly fumarates with different thermal histories	Yasuhito Suzuki	Osaka Prefecture University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
168	2021B1341	In situ visualization of laser welding by pink-beam 4D phase tomography	Atsushi Momose	Tohoku University	Japan		Materials Science and Engineering	9	BL28B2	Np
169	2021B1342	Electronic structure determination of dynamic molecular crystals to explore polarization switching properties	Osamu Sato	Kyushu University	Japan		Materials Science and Engineering	1	BL01B1	Np
170	2021B1344	Visualization measurement of the internal structure of woody biomass of pyrolyzing under radiation high heat flux by ultra-high-speed X-ray CT	Tadafumi Daitoku	Akita Prefectural University	Japan	Educational Organization	Industrial Applications	3	BL20B2	Np
171	2021B1345	High-spatial-resolution 3D tomographic analysis using differential aperture technique for AIN/NPSS nanostructures.	Yusuke Hayashi	Osaka University	Japan		Materials Science and Engineering	15	BL13XU	Np
172	2021B1346	4f-5d Coulomb interaction for the critical valence-fluctuation mediated quantum-critical phenomena on CeTIn5 (T = Co, Rh, Ir)	Hidenori Fujiwara	Osaka University	Japan		Materials Science and Engineering	9	BL09XU	Np
173	2021B1348	Structural changes of As clusters by co-implantation of As and B in Si: Analyses by photoelectron holography	Kazuo Tsutsui	Tokyo Institute of Technology	Japan		Materials Science and Engineering	11.875	BL25SU	Np
174	2021B1349	Insitu Structural investigation of guest-induced multiple structural transitions in a flexible chiral porous-coordination-polymer	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
175	2021B1350	Characterization of Oxygen Intermediates in Non-heme Iron Enzymes Utilizing Nuclear Resonance Vibrational Spectroscopy	Edward Solomon	Stanford University	USA	Foreign	Life Science	17.875	BL35XU	Np
176	2021B1351	In situ observation of failure in polymeric solids under step-cycle tests	Yusuke Hiejima	Kanazawa University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
177	2021B1353*	Effects of ball milling processes on atomic configurations of Li3NbO4-based positive-electrode materials with a disordered rocksalt structure	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
178	2021B1354	Precise Crystal Structure Analysis of Cubic Ice in Crystalline Nanospace	Tatsuhiro Kojima	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
179	2021B1356	Precise Analysis of the Water State Trapped in Nanovoids of Hydrophilic Polymer Gel in Moisture Absorption and Drying Process	Yoshihisa Fujii	Mie University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
180	2021B1357	in situ XAFS Study on Local Structures and Electronic States of Supported Metal Phosphides for CO2 Hydrogenation	Tetsuya Shishido	Tokyo Metropolitan University	Japan		Materials Science and Engineering	9	BL01B1	Np
181	2021B1358	Investigation of charge distribution change in Bi.5Pb0.5MO3 (M: 3d transition metal)	Masaki Azuma	Tokyo Institute of Technology	Japan		Materials Science and Engineering	3	BL09XU	Np
182	2021B1360	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	18	BL43IR	Np
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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
183	2021B1361	3D analysis of hydrogen-affected crack opening/phase transformation behavior in a structural material using imaging CT and XRD	Osamu Takakuwa	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
184	2021B1362	Local structural analysis of lithium ionic conductive sulfide glasses and effects of added halogen elements and milling conditions	Koji Ohara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	9	BL04B2	Np
185	2021B1363	Study on water absorption and evaporation processes of polymers by infrared synchrotron radiation microspectroscopy	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL43IR	Np
186	2021B1365	Formation of fluid artificial cell membrane using Marangoni convection and observation of its structural dynamics	Yohko Yano	Kindai University	Japan	Educational Organization	Life Science	9	BL37XU	Np
187	2021B1366	Investigation of Hydration Behaviors of PEGylated Nanoparticles Used for DDS	Chie Kojima	Osaka Prefecture University	Japan	Educational Organization	Chemical Science	5.875	BL43IR	Np
188	2021B1367	Analyses of distribution and chemical species of mercury and the other essential trace elements in the mongoose brain with aging and concentration dependence.	Sawako Horai	The National Institute for Minamata Disease	Japan	National and Nonprofit Organization	Environmental Science	20	BL39XU	Np
189	2021B1368	Change in the elasticity of hard aluminosilicate glasses with coordination change of Al3+ induced by pressure	Akihiro Yamada	University of Shiga Prefecture	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
190	2021B1369	Analysis of oxygen release from perovskite material by in-situ XAFS	Saburo Hosokawa	Kyoto Institute of Technology	Japan	Educational Organization	Chemical Science	8.875	BL01B1	Np
191	2021B1370	Chemical state analysis at polymer / interface using total internal reflection XAFS measurement.	Koichiro Hori	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL27SU	Np
192	2021B1373	Micro-Second Time-Resolved XAFS Study on Dynamic Behavior of Electronic State of Electrode on Pb(Zr,Ti)O3 Piezoelectric Thin Films under Vibration	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	12	BL01B1	Np
193	2021B1374	Analysis for electronic structure in perovskite-type oxyfluoride cathode materials with fluoride ion intercalation/deintercalation	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL27SU	Np
194	2021B1375	Study on the self-organized structural formation mechanism of silk nanofibrils	Taiyo Yoshioka	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Chemical Science	9	BL40B2	Np
195	2021B1376	Observation of the molecular orbital degrees of freedom in X[Pd(dmit)2]2 by valence electron density analysis	Hiroshi Sawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	18	BL02B1	Np
196	2021B1377	Exploration of glassy state in Prussian blue analogues	Satoshi Horike	Kyoto University	Japan	Educational Organization	Chemical Science	1	BL01B1	Np
197	2021B1379	In situ X-ray diffraction studies of thermogenesis in insect flight muscles - 3	Madoka Suzuki	Osaka University	Japan	Educational Organization	Life Science	9	BL40XU	Np
198	2021B1380	Study on dynamic behavior of (Ta6-xNbx)O19 cluster catalysts under styrene oxide conversion reactions by time-resolved QXAFS	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	8	BL36XU	Np
199	2021B1381	Feasibility study of X-ray fluorescence holography experiments on micrometer sized single crystal of Pb-free ferroelectric BCZT	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	13	BL37XU	Np
200	2021B1384	In-situ white X-ray diffraction measurement of Ni-RE (RE=Dy, Nd) alloying/dealloying reaction in high temperature molten salt	Yumi Katasho	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	9	BL28B2	Np
201	2021B1385	HAXPES measurement of hydrogen adsorption and desorption from a Titanium thin film coated with Pd film.	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL09XU	Np
202	2021B1386	Search for superconductivity by high-pressure synthesis of novel carbon- based network materials	Takehito Nakano	Ibaraki University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
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1Shift	=8Hours
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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
203	2021B1387	Study on strain-induced crystallization of peroxide cross-linked isoprene rubbers: Effects of molecular weight, its distribution and defect	Yuko Ikeda	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40XU	Np
204	2021B1388	Study on solid solution phase obtained after the crystal rearrangement occurring in Lithium-rich cathode materials by pair distribution function analysis.	Masatsugu Oishi	Tokushima University	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
205	2021B1389	Yb L3 resonant hard X-ray photoemission spectroscopy of Kondo lattice YbInCu4: valence transition and f-d interaction	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL09XU	Np
206	2021B1392	Microsecond molecular dynamics measurement of polymer films using diffracted x-ray blinking (DXB) method	Yuji Sasaki	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	11.875	BL40XU	Np
207	2021B1393	Observation of internal dynamics of functional proteins with light and thermal excitation by Diffracted X-ray Tracking	Yuji Sasaki	The University of Tokyo	Japan	Educational Organization	Life Science	15	BL40XU	Np
208	2021B1394	Non-equilibrium vibration mode of cations confined in zeolite nanocavities induced by Microwave irradiation	Fuminao Kishimoto	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL04B2	Np
209	2021B1395	Nanoscale geo-spatiotemporal microbiology: visualization of environmental microbes by element-specific nano CT	Yuki Morono	Japan Agency for Marine- Earth Science and Technology	Japan	National and Nonprofit Organization	Environmental Science	9	BL47XU	Np
210	2021B1397	Study on the mechanism for ferromagnetic 4f-2p coupling in Gadolinium- radical complexes by means of radiation-based ¹⁵⁵ Gd-Mössbauer spectroscopy	Takuya Kanetomo	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	17.875	BL35XU	Np
211	2021B1398	Development of high-energy X-ray microtomography using 110keV pink beam from multilayer monochromator and optimization of measurement conditions	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	12	BL20B2	Np
212	2021B1399	High-pressure Single Crystal X-ray structure analyses of photoluminescent tetranuclear iminothiolato-gold(I) complex.	Yoshiki Ozawa	University of Hyogo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
213	2021B1401	In situ 4D observation of Kink structure development on MgZnY alloy using compression tester	Masayuki Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL20B2	Np
214	2021B1403	Investigation of the interaction between Li+ and Na+ and local structure in Li+/Na+ mixed ion conductor	Reona Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	4	BL04B2	Np
215	2021B1404	Three dimensional observation of organic globules in meteorites and investigation of their origin using high resolution imaging tomography	Masayuki Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL47XU	Np
216	2021B1405	Evaluation of Insecurity Phenomenon Using Visualization of Dynamic Structure for Nail Penetration Test Inside High-Nickel Cathode Battery	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	11.875	BL28B2	Np
217	2021B1407	Pressure-induced crystal structure transition and transporting transformation of honeycomb structure Iridates at low temperature	Jinlong Zhu	Southern University of Science and Technology	China	Foreign	Materials Science and Engineering	9	BL10XU	Np
218	2021B1408	Homogeneous polymer network gel electrolytes cross-linked via a reversible metal ion-ligand complexation	Kenta Fujii	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
219	2021B1409	Synthesis and elucidation of the reaction behavior of novel oxyfluorides	Yoshiyuki Inaguma	Gakushuin University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
220	2021B1411	Photoelectric holographic observation of atomic structures on Mg-doped GaN and SiO2/GaN interface	Mutsunori Uenuma	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
221	2021B1413	Investigation of the relationship between structural changes at high temperature and crystallization behavior of lead halide-containing glasses by high temperature in situ HXRD measurement	Kenji Shinozaki	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL08W	Np
222	2021B1414	Measurement of local dynamic stress by means of ultra-high speed camera in metallic materials	Masakazu Kobayashi	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np

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223	2021B1415	Elucidation of the Structure and Characterization of Surface Coordination Environment of Supported Catalysts using Phosphine Protected MAu12 Cluster as Precursor	Shinya Masuda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
224	2021B1416	Chemical state analysis of organic compounds with degradation by X-ray Raman scattering spectroscopy.	Fusae Kaneko	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	15	BL39XU	Np
225	2021B1418	In situ observation on allotropic transformation by severe plastic deformation and reversible transformation of high-pressure phase	Takahiro Masuda	Yokohama National University	Japan	Educational Organization	Materials Science and Engineering	12	BL04B1	Np
226	2021B1419	SAXS study on Structure of micelles formed by Bora-type surfactants with different stereochemistry of linkers	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
227	2021B1420	Higher ordered structure and dynamics in nanocomposites	Koji Fukao	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
228	2021B1422	Vitrification and crystallization of imidazolium-based ionic liquid crystals in nanopores	Koji Fukao	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
229	2021B1423	Determination of local structure around oxygen vacancies in bismuth oxyhalides with high photoanodic efficiency by X-ray fluorescence holography	Daichi Oka	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
230	2021B1426	X-ray fluorescence holography of topological insulators (Pd,Pt)Bi2	Yoshihiro Kubozono	Okayama University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
231	2021B1430	Development of visualization methodology of pinning magnetic domain by Persistent Homology	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	15	BL17SU	Np
232	2021B1431	Feasibility study of a D111-type guide-block for in situ deformation experiments at high-pressure and high-temperature 2	Yu Nishihara	Ehime University	Japan	Educational Organization	Earth and Planetary Science	17.875	BL04B1	Np
233	2021B1432	A study on the migration of arsenic and uranium in environment through iron mineral transformation process	Kouhei Tokunaga	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL01B1	Np
234	2021B1433	Local structure of a deep dopant, Fe in Ga oxide: XAFS characterization	Kazushi Miki	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL37XU	Np
235	2021B1434	Synthesis of hydride superconductor from hydrogen halides under high pressure condition	Masafumi Sakata	Gifu University	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	Np
236	2021B1435	Single-Crystal X-ray Diffraction Analysis of Conjugated Materials for Energy Conversion	Michihisa Murata	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
237	2021B1436	Structural Investigation of Novel Ternary Y-Mg and La-Mg Hydrides - Near Room-temperature Superconductors	Ivan Troyan	FSRC Crystallography and Photonics RAS.	Russia	Foreign	Materials Science and Engineering	6	BL10XU	Np
238	2021B1437	Study of the structural behavior of Na-ion conducting Na3-2n(H)(SO4)1-n and Na3-2n(NH2)(SO4)1-n (n = 0, 0.25, 0.5) antiperovskites	Masato Goto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
239	2021B1438	Small-angle X-ray Scattering Analyses of Structures of Polymer Micelles of Amphiphilic (AB)n-type Star-shaped Block Copolymers	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
240	2021B1439	Elucidation of anomalous dynamic behavior of glycerol by using quasi-elastic gamma-ray scattering system based on nuclear Bragg monochromator	Makina Saito	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
241	2021B1443	Elucidation of co-catalytic function of Ni and Binary AuNi nanoparticle using resonant Hard X-ray Photoelectron Spectroscopy and Absorption Spectroscopy	Satoshi Ogawa	Nagoya University	Japan	Educational Organization	Chemical Science	15	BL09XU	Np
242	2021B1444	Elucidation of host-guest co-structures of P4MP1-alkane and CNT-alkane systems	Ayano Chiba	Keio University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np

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243	2021B1445	Synchrotron X-ray micro-CT imaging of the Ediacaran and early Cambrian phosphate microfossils: Primary producers in the Ediacaran and early Cambrian and origins of legs	Tsuyoshi Komiya	The University of Tokyo	Japan		Earth and Planetary Science	6	BL20XU	Np
244	2021B1446	2D arrangement of module units in sulfosalt of PbS-Bi2S3 system and structural role of minor elements	Ryo Yamane	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
245	2021B1447	A study on the temperature dependence of casein micelle structure in cow milk using in-situ SAXS experiments	Hideaki Takagi	High Energy Accelerator Research Organization	Japan	National and Nonprofit Organization	Chemical Science	6	BL40B2	Np
246	2021B1449	Dynamic structural study of human mitral valvular apparatus with synchrotron radiation phase-contrast X-ray CT	Takuro Tsukube	Japanese Red Cross Kobe Hospital	Japan	National and Nonprofit Organization	Medical Applications	6	BL20B2	Np
247	2021B1455	Analysis of local structure in hydrogenated In2O3 thin-films	Yusaku Magari	Shimane University	Japan		Materials Science and Engineering	3	BL01B1	Np
248	2021B1456	Exploration of CaTiO3-MTiO3 (M = Mn and Ni) phase diagrams for the synthesis of perovskite materials with A-site divalent transition metal cations	Midori Amano-Patino	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
249	2021B1457	Correlations between oxygen defects and the electronic structure in In-Ga-Zn- O by using hard x-ray photoemission spectroscopy	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL09XU	Np
250	2021B1459	Development of low-frequency X-ray chopper and time-resolved X-ray structure analysis on dynamics of fluctured ferroelectrics	Yoshihiro Kuroiwa	Hiroshima University	Japan		Materials Science and Engineering	12	BL02B1	Np
251	2021B1460	Evaluation of microdomain structure of thermoplastic elastomers under various external stimuli by in-situ small angle X-ray scattering measurements	Ken Kojio	Kyushu University	Japan		Materials Science and Engineering	6	BL05XU	Np
252	2021B1461	Pressure induced valence transition and helical magnetic order in a chiral magnet YbNi3Ga9	Takeshi Matsumura	Hiroshima University	Japan		Materials Science and Engineering	5.875	BL10XU	Np
253	2021B1462	Energy scanning single crystal X-ray diffraction analysis of asteroid Ryugu samples returned by the Hayabusa 2 spacecraft: Assessment of shock metamorphism and implication for its formation condition	Takashi Mikouchi	The University of Tokyo	Japan		Earth and Planetary Science	g	BL37XU	Np
254	2021B1464	Dynamic change of oxygen chemical potential distribution in solid oxide fuel cell electrolyte by using high temperature electrochemical nano XAFS	Koji Amezawa	Tohoku University	Japan		Materials Science and Engineering	18	BL37XU	Np
255	2021B1467	Effect of additional trace element of Mg and S for the formation of graphite in high-purity Fe melt.	Akira Sugiyama	Osaka Sangyo University	Japan		Industrial Applications	g	BL20B2	Np
256	2021B1468	Analysis of bulk-sensitive electronic structure in Co2FeZ composition-spread film for an exploration of Weyl semi-metallic nature	Yuya Sakuraba	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL09XU	Np
257	2021B1469	Development of a remote controlled rotating-type DAC and the investigation of the strain effect on phase transition.	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Earth and Planetary Science	12	BL04B2	Np
258	2021B1470	Relationship between polar ordering and local structures in Bi-based lead-free ferroelectrics	Manabu Hagiwara	Keio University	Japan	Educational Organization	Materials Science and Engineering	4	BL04B2	Np
259	2021B1471	Mechanism of deep earthquakes occurring at the mantle transition zone: insight from the direct observation of the ultra-high-pressure faulting using rotational diamond anvil cell	Keishi Okazaki	Japan Agency for Marine- Earth Science and Technology	Japan		Earth and Planetary Science	14.375	BL47XU	Np
260	2021B1472	In-situ observation of atomic structure in Mn-doped ${\sf BiFeO_3}$ single crystalline thin film under an electric field by inverse mode X-ray fluorescence holography	Seiji Nakashima	University of Hyogo	Japan		Materials Science and Engineering	15	BL13XU	Np
261	2021B1474	Development of high speed X-ray imaging system toward 100kHz	Kentaro Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	g	BL20B2	Np
262	2021B1475	Precise determination of dynamic mixtures of triple-helicates with single-crystal X-ray analysis	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np

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263	2021B1476	Fatigue mechanism of polymeric composites during fatigue process based on small- and wide-angle X-ray scattering	Ken Kojio	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL05XU	Np
264	2021B1477	Observation of the Electronic State of Metal Nanoparticle Colloid Solution for Elucidating the Solid-Liquid Interface Phenomena using HAXPES with Ambient Pressure Cell	Eiji Ikenaga	Nagoya University	Japan	Educational Organization	Chemical Science	15	BL09XU	Np
265	2021B1480	Local Structural Analysis of Dilute Mg-Zn-Y Alloy using X-ray Fluorescence Holography: Elucidation of Annealing-Induced Variations of the Zn/Y Arrangements	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	11.875	BL13XU	Np
266	2021B1481	Atomic-Level Observation of Cluster Formation Processes in Mg-Zn-Gd Alloy using Micro-Beam X-ray Fluorescence Holography	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	13	BL39XU	Np
267	2021B1482	Chemical-State Selective 3D Structural Analysis of Mg-Zn-Y Alloy using Photoelectron Holography	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
268	2021B1485	Molecular aggregation structure of polymer thin films under carbon dioxide atmosphere	Ken Kojio	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
269	2021B1488	Structural elucidation of active site on metal surfaces activating the oxygen evolution reaction	Masashi Nakamura	Chiba University	Japan	Educational Organization	Chemical Science	12	BL13XU	Np
270	2021B1489	Reaction process of novel transition metal silicide under high temperature and high pressure	Takuya Sasaki	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
271	2021B1491	Electronic states for Redox reaction of positive electrode CaSrFeO2 system which possess the capacity more than 500mAh/g	Hiroshi Sakurai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	17.875	BL08W	Np
272	2021B1494	In-situ observation of the band modulation by polarization switching in graphene/ferroelectrics structure	Seiji Nakashima	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	12	BL17SU	Np
273	2021B1496	Antiferromagnetic domain wall imaging in Mn3Sn by micro-focused XMCD	Yuichi Yamasaki	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.875	BL25SU	Np
274	2021B1497	Structural study of short-range ordering in amorphous alloys induced by diversification of bond lengths of homologous element pairs	Toru Kawamata	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	18	BL02B1	Np
275	2021B1499	High-pressure synthesis of noble gas compounds	Ken Niwa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	2.875	BL10XU	Np
276	2021B1500	X-ray powder diffraction structural analyses of polymorphic imidoylamidinato Pt(II) complexes under high pressure and their phase transition	Keisuke Umakoshi	Nagasaki University	Japan	Educational Organization	Chemical Science	6	BL10XU	Np
277	2021B1501	Operando observation of lithium distributions on high temperature in all-solid lithium batteries	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Chemical Science	18	BL08W	Np
278	2021B1503	In-situ viscosity contrast measurements between olivine and enstatite	Noriyoshi Tsujino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
279	2021B1505	Multi-pinhole Compton scattering imaging for degradation analysis of large- size high-power layered capacitor	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Chemical Science	9	BL08W	Np
280	2021B1506	High energy resolution X-ray fluorescence hologram measurement using photoelectron conversion	Yusuke Hashimoto	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
281	2021B1507	Development of compressed sensing for the reconstruction of the three dimensional electron momentum densities obtained from the high resolution Compton profiles	Hiroshi Sakurai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	20.5	BL08W	Np
282	2021B1508	Structural investigation of Ruddlesden-Popper compounds La1.2Sr1.8Mn2O7Fx	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np

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283	2021B1509	Local structures of glass-forming molecular liquids under low-temperature and high-pressure	Osamu Yamamuro	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	Np
284	2021B1512	Study on advanced crystalline sponge method by crystallization plate measurement using synchrotron X-rays	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	9	BL26B1	Np
285	2021B1513	Identification of diffusion process for forming Z3-Fe(Pd,In)3 layered structure from A1-PdInx@FeOy core@shell nanoparticles	Kenshi Matsumoto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
286	2021B1514	Observation of grain deformation, fragmentation and poly-crystallization in semisolid Fe-C alloys by using a simultaneous measurement of compression test and 4D-CT	Taka Narumi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20B2	Np
287	2021B1516	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	17.875	BL19LXU	Np
288	2021B1517	Study on advanced crystalline sponge method by serial crystallography using high-flux synchrotron X-rays	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	7.875	BL45XU	Np
289	2021B1518	Deformation experiments of lowermost mantle materials under ultra-high pressure conditions using rotational diamond anvil cell and its rheological properties	Shintaro Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Earth and Planetary Science	9	BL47XU	Np
290	2021B1519	Evaluation of Au Fresnel zone plate for the improvement of spatial resolution and diffraction efficiency at high energy x-ray region of x-ray nano- tomography.	Akihisa Takeuchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL47XU	Np
291	2021B1521	Visualization of the dental and maxillary microstructures in the herbivorous dinosaur Iguanodontia and evaluation of their adaptation to herbivory through synchrotron X-ray micro-CT analyses: a case study with a primitive iguanodontian Fukuisaurus from Japan	Takuya Imai	Fukui Prefectural University	Japan	Educational Organization	Life Science	9	BL28B2	Np
292	2021B1522	Nuclei-like mirrors for an x-ray cavity quantum electrodynamics system with high finesse	Xiangjin Kong	National University of Defense Technology	China	Foreign	Materials Science and Engineering	15	BL35XU	Np
293	2021B1526	Determination of two closed structures of elastic layer-structured metal-organic framework-12	Shotaro Hiraide	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
294	2021B1528	Structural Investigation of gas adsorption processes of flexible porous coordination polymers exhibiting cycle-dependent sorption property	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B2	Np
295	2021B1529	The enhancing effect of the hydration and electric filed for the skin permeation.	Hiromitsu Nakazawa	Kwansei Gakuin University	Japan	Educational Organization	Medical Applications	3	BL40B2	Np
296	2021B1534	The study on Sm permanent magnet by means of magnetic circular dichroism of hard x-ray photoelectron spectroscopy	Norimasa Sasabe	Japan Synchrotron Radiation Research Institute	Japan		Materials Science and Engineering	9	BL09XU	Np
297	2021B1535	Design of metal nanoparticle – polyoxometalate composite catalysts for CO2 absorption and conversion by operand DRIFTS-XAS observation	Soichi Kikkawa	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
298	2021B1536	Study on the electronic structures of 3d-transition metal-doped AIN films for photoelectrode design	Saki Imada	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	15	BL27SU	Np
299	2021B1537	Observation of semisolid deformation in Al alloys containing 100000 solid grains by using 4D-CT	Taka Narumi	Kyoto University	Japan		Materials Science and Engineering	9	BL20B2	Np
300	2021B1540	structural investigation of Li-excess layered cathode material Li2MnO3 with a distorted octahedral coordination of oxygen	Toshiyuki Matsunaga	Kyoto University	Japan		Materials Science and Engineering	6	BL02B2	Np
301	2021B1542	Response measurements of fine spatial resolution semiconductor detectors in imaging spectroscopy and imaging polarimetry for astrophysics and solar physics	Hirokazu Odaka	The University of Tokyo	Japan	Educational	Elementary Particles, Nuclear Science	15	6 BL20B2	Np

1Shift	=8Hours
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302	2021B1543	Electronic structure of the novel valence transition system YbPd ₂ Al ₃ investigated by high-energy resolution fluorescence detected x-ray absorption and x-ray emission spectroscopies	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
303	2021B1544	Phase relation and elastic property of (Fe,Ni,Co)2P under high pressure	Yoichi Nakajima	Kumamoto University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
304	2021B1545	4f ground-state symmetry in YbRh $_2$ Si $_2$ and YbCu $_2$ Si $_2$ probed by linear dichroism of resonant x-ray emission spectroscopy	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	15	BL39XU	Np
305	2021B1546	Eu 4f Orbital Symmetry in Temperature-Induced Valence Transition Compound $EuNi_2(Si_{0.21}Ge_{0.79})_2$ Revealed by Polarization Dependent Resonan Hard X-ray Photoemission Spectroscopy	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	15	BL09XU	Np
306	2021B1549	Post B1 phase transition of Fe-rich (Mg,Fe)O	Takeshi Sakai	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
307	2021B1551	Ultralow thermal conductivity in thermoelectric Half- Heusler materials of MNiBi(M=Y,Lu)	Xueyun Wang	Beijing Institute of Technology	China	Foreign	Materials Science and Engineering	15	BL35XU	Np
308	2021B1552	Structural imaging analysis of the human hair and stratum corneum treated with nanoscale clustered water and cosmetics by infrared microspectroscopy.	Hiromitsu Nakazawa	Kwansei Gakuin University	Japan	Educational Organization	Life Science	6	BL43IR	Np
309	2021B1553	Crystalline structure analysis of composite materials having plant cell wall like skeleton structure (II)	Daisuke Tatsumi	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL40XU	Np
310	2021B1554	Unveiling the elementary process of composites failure using an fatigue testing machine for in-situ observation by synchrotron radiation X-ray CT	Kosuke Takahashi	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	6	BL20XU	Np
311	2021B1558	Local structure analysis of Ga(1-x)In(x)N/GaN/AI(x)Ga(1-x)N quantum shells with high indium contents grown on a GaN substrate by using an X-ray nanobeam	Takao Miyajima	Meijo University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL13XU	Np
312	2021B1560	Time sharing measurement of coarsening, volume change and lattice constant after a massive-like transformation in Fe-C alloys	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
313	2021B1561	Feasibility study of time-resolved tomography using multilayer reflection for solidification in metallic alloys	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20B2	Np
314	2021B1562	Nuclear resonance vibrational investigations of de novo designed heme- containing metalloenzymes: detection of catalytic intermediates involved in the activation of hydrogen peroxide.	Giorgio Caserta	Technical University of Berlin	Germany	Foreign	Life Science	18	BL19LXU	Np
315	2021B1563	X-ray nano-beam analysis of a single Ga(1-x)In(x)N/GaN/Al(x)Ga(1-x)N quantum shell on a GaN substrate processed by using a focused-ion beam	Takao Miyajima	Meijo University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
316	2021B1566	Operando chemical state imaging of LNMO lithium battery active materials particles during charging/discharging processes by CT-XAFS	Nozomu Ishiguro	Tohoku University	Japan	Educational Organization	Chemical Science	15	BL37XU	Np
317	2021B1567	A study on the formation process and characteristics of of rare-earth ion- adsorption type ores using HERFD-XANES at La and Eu LIII-edges	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL39XU	Np
318	2021B1569	Integrating X-ray phase-contrast tomography and imaging mass spectrometry for in depth tissue proteomics of human heart, kidney and brain from patients with amyloidosis	Masaya Ikegawa	Doshisha University	Japan	Educational Organization	Life Science	9	BL20B2	Np
319	2021B1572	Structural study on water cluster in hydrophobic environment	Kouki Oka	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np
320	2021B1573*		Satoshi Tsutsui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL35XU	Np
321	2021B1574	Dense hydrogenation effects on the magnetic structure of rare-earth transition metal compounds: crystal structures determined by XRD under high pressure	Naoki Ishimatsu	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
322	2021B1575	Magnetism and electronic structure of the multiferroic Skyrmion system Cu(2)OSeO(3)	Jonathan Duffy	University of Warwick	UK	Foreign	Materials Science and Engineering	17.875	BL08W	Np
323	2021B1576	Phonon dispersion mesurement of SrGeO3 transparent conductive oxide	Hiroshi Uchiyama	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	17.875	BL35XU	Np
324	2021B1577	Development of RMC method with EXAFS and PDF data: study on magnetovolume effect of Fe-based alloys by mesoscopic structural analysis	Naoki Ishimatsu	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL37XU	Np
325	2021B1579	Tracking the translational and rotational motions of metal particles by time- resolved X-ray imaging and diffraction experiments	Hiroshi Sekiguchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	6	BL40XU	Np
326	2021B1580	Search for metallization and superconductivity of hydrogen under ultra-high pressure using a toroidal diamond anvil cell III	Yuki Nakamoto	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL10XU	Np
327	2021B1584	Time-resolved in-situ observation of rapid melting process of metallic powder induced by laser irradiation	Kohei Morishita	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np
328	2021B1585	Analysis for chemical bonds in polycrystalline photovoltaic materials Cu2Zn(Sn,Ge)S4 and Cu2(Sn,Ge)S3	Kousuke Beppu	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
329	2021B1586	Measurement of sound velocity of basaltic glass under high pressure condition	Tatsuya Sakamaki	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	12	BL43LXU	Np
330	2021B1587	Capacity loss mechanisms in P2- versus P3-type Na battery cathodes studied by RIXS	Laurent Duda	Uppsala University	Sweden	Foreign	Materials Science and Engineering	15	BL27SU	Np
331	2021B1588	Investigation of a first-order AFM-FM transition driven by magnetic fields in FeNiRh alloy using soft x-ray MCD spectroscopy under pulsed high magnetic fields	Shingo Yamamoto	Helmholtz-Zentrum Dresden- Rossendorf	Germany	Foreign	Materials Science and Engineering	12	BL25SU	Np
332	2021B1590	Microscopic nature of magnetic phase transitions in Nd3Fe3Sb7 studied by element selective XMCD	Shingo Yamamoto	Helmholtz-Zentrum Dresden- Rossendorf	Germany	Foreign	Materials Science and Engineering	6	BL25SU	Np
333	2021B1591	Structural Investigation of Variety of Stimuli-responsive functional crystals composed of non-planar pi-conjugated molecules	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
334	2021B1593	Precise SAXS analysis of novel tiling cylindrical structures formed by four- component multiblock copolymers.	Atsushi Takano	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
335	2021B1594	Structural analysis of catalytically active species for efficient carbon-carbon bond formations by titanium, vanadium, and niobium catalysts by solution XAFS analysis	Kotohiro Nomura	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
336	2021B1595	Chemical State Imaging of Cathode Active Materials for Lithium-Sulfur Battery by Tender X-ray Ptychography-XAFS Method	Yukio Takahashi	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	17.875	BL27SU	Np
337	2021B1597	Magnetic-field-induced quantum criticality for YbRh2Si2 studied by using resonant HAXPES combined with x-ray polarization controlling under external magnetic field	Akira Yasui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL09XU	Np
338	2021B1598	Electron Density Distribution Analysis of Zeolite Oriented by Rare-Earth Ions in Low Magnetic Fields.	Anna Nagai	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
339	2021B1600	Research of potential on the vertical focusing of scanning/imaging X-ray microscopy	Masahiro Yasutake	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	15	BL47XU	Np
340	2021B1602	Correlative tomography using imaging CT and pencil-beam XRD for deformation and fracture of structural material	Kyosuke Hirayama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	15	BL20XU	Np
341	2021B1604	Direct observation of distribution of ions by means of operando X-ray nanospectroscopy	Shimpei Ono	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL17SU	Np

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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
342	2021B1605	Operando analysis of the interface reaction in solid state batteries under controlled Li activity using thin film X-ray diffraction method	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
343	2021B1607	Pressure-dependence crystal structure of photo-luminescent cubane-type tetranuclear iodo-silver(I) complexes and gest solvent effects in the porous molecular-crystalline state.	Yoshiki Ozawa	University of Hyogo	Japan	Educational Organization	Chemical Science	6	BL10XU	Np
344	2021B1609	Revealing crystal structures and phase transition mechanisms of novel polar zirconate double perovskites	Hirofumi Akamatsu	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
345	2021B1610	Structural analysis of visible-light responsible photocatalysts based on Ta- doped Bi compounds	Fuminao Kishimoto	The University of Tokyo	Japan	Educational Organization	Chemical Science	2	BL01B1	Np
346	2021B1612	Comprehensive understanding of the degradation process of zeolites by high- temperature PDF analyses	Hiroki Yamada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL04B2	Np
347	2021B1615	The evaluation of dehydration stability of DNA-functionalized nanoparticle superlattice and the creation of nano-gapped particle superlattice	Miho Tagawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
348	2021B1616	Exploration of topological band structures in Mn-based ferrimagnetic alloys	Akio Kimura	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	14.875	BL25SU	Np
349	2021B1617	Structure determination of illicit drugs and their metabolites by single crystal X- ray crystallography using crystalline sponge method	Shimpei Watanabe	RIKEN	Japan	National and Nonprofit Organization	Other	5.5	BL02B1	Np
350	2021B1619	Crystal structure analysis of disordered structure in porous coordination polymers with the gas adsorption	Yoshiki Kubota	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
351	2021B1620	The development of in situ observation method and analysis of strain and crystal structure evolution under nanoindentation compression test by high- intensity X-ray irradiation towards the elucidation of room-temperature deformation mechanism of brittle materials	Kentaro Shinoda	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40XU	Np
352	2021B1621	A Study of Sulfur Speciation of Carbonates for the Evolution of Surface Environment on Mars	Tomohiro Usui	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	12	BL27SU	Np
353	2021B1623	Adsorbate-induced frustrated Lewis pairs as catalytic active sites in Zeolite	Shik Chi Edman Tsang	University of Oxford	UK	Foreign	Chemical Science	6	BL02B2	Np
354	2021B1624	Elucidation of the chemical structure of the reaction intermediate of nitric oxide reductase by nuclear resonance vibrational spectroscopy	Takehiko Tosha	RIKEN	Japan	National and Nonprofit Organization	Life Science	15	BL19LXU	Np
355	2021B1625	A study on the migration of uranium in environment using various types of X- ray microscopy	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	12	BL37XU	Np
356	2021B1628	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	12	BL43IR	Np
357	2021B1629	Brittle-plastic transition and dehydration embrittlement in lawsonite at high pressures	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	15	BL04B1	Np
358	2021B1630	Synchrotron X-ray powder diffraction under pressure up to a few ten MPa	Hidetaka Kasai	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
359	2021B1631	Local structure analysis of iron selenide superconductors incorporating metal- based hyper-ordered structure by X-ray fluorescence holography	Ritsuko Eguchi	Okayama University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
360	2021B1632	Circumstance effects of distinguished temperature dependent properties of Au clusters	Ryo Takahata	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
361	2021B1633	Local structures around heavy elements in functional zeolites	Shinya Hosokawa	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np

1Shift	=8Hours
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362	2021B1634	Crystal structure and superconductivity of alkaline earth metals strontium and calcium under low temperature and high pressure III	Yuki Nakamoto	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL10XU	Np
363	2021B1635	Stereo live imaging analysis of structure and function of oral, pharyngeal and hyoid jaws of teleosts	Kohei Hatta	University of Hyogo	Japan	Educational Organization	Life Science	8.875	BL20B2	Np
364	2021B1639	Temperature dependence of spin and orbital coercivity in Nd-Fe-B magnets by magnetic Compton scattering	Naruki Tsuji	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	21	BL08W	Np
365	2021B1640	Operando-XAFS +DRIFT analysis for development of noble metal – base metal composite catalysts for exhaust purification. (II)	Katsutoshi Sato	Kyoto University	Japan	Educational Organization	Chemical Science	5	BL01B1	Np
366	2021B1642	Precise structural analysis of layered manganese oxides with oxygen storage properties	Hiroki Ishibashi	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
367	2021B1646*	Phase relations, equation of states and hydrogen solubility for Fe-Si-H ternary systems from in-situ X-ray diffraction measurements at high pressure and high temperature using multi-anvil apparatus	Hiroyuki Kagi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
368	2021B1650	In-situ time-resolved nanobeam X-ray diffraction analysis of defect-dependent local piezo-response dynamics in AlGaN/GaN HEMT devices	Tetsuya Tohei	Osaka University	Japan	Educational Organization	Materials Science and Engineering	14.875	BL13XU	Np
369	2021B1652	Structural Analysis of Micelle for Hybrid Surfactant Consisting of Amino Acid (Valine) and Sugar (Lactobionic Acid) in Aqueous Solution	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
370	2021B1655	Search for novel high-pressure phases in phosphorus topological semimetals	Shintaro Ishiwata	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL10XU	Np
371	2021B1657	Local structure analysis of a novel thermoelectric material with amorphous structure fabricated by high-pressure torsional processing studied by total X- ray scattering	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL04B2	Np
372	2021B1658	Density measurement of liquid Fe-S at Martian core conditions	Hidenori Terasaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
373	2021B1660	Investigation of the stability of the cathode solid electrolyte interface of all- solid-state Li-ion batteries by operando depth resolved soft X-ray absorption spectroscopy	Takashi Nakamura	Tohoku University	Japan	Educational Organization	Chemical Science	24	BL27SU	Np
374	2021B1661	X-ray diffuse scattering measurement of relaxor ferroelectrics under electric field	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
375	2021B1662	Investigation of the formation process of plasmonic superlattice	Masaki Saruyama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
376	2021B1663	Synchrotron X-ray CT analysis of Japanese swords to clarify their making techniques and an experiment to reproduce fire damaged condition and check the inner structure of the fire damaged Japanese sword	Manako Tanaka	Showa Women's University	Japan	Educational Organization	Other	18	BL28B2	Np
377	2021B1664	Elucidation of the nitrogen-cycle on Mars based on the N-XANES analysis of Martian meteorites and Martian analog samples.	Mizuho Koike	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	15	BL27SU	Np
378	2021B1665	Precise SAXS analysis of herical / tetragonally-packed cylindrical microphase- separated structures formed by ABAC tetrablock terpolymers.	Atsushi Takano	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL40XU	Np
379	2021B1668	In situ monitoring of VOC-triggered dynamic processes in vapochromic rhenium(I) crystals by powder X-ray diffraction analysis	Masaaki Abe	University of Hyogo	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
380	2021B1669	X-ray Diffraction Study of Nano-Confined Liquids Under Shear	Kazue Kurihara	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	18	BL40B2	Np
381	2021B1670	Deformation experiments of high-pressure clinoenstatite under the conditions of subducting slab	Yumiko Tsubokawa	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	11.5	BL04B1	Np

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382	2021B1674	X-ray imaging of food sorting behavior in fish	Takanori Ikenaga	Kagoshima University	Japan	Educational Organization	Life Science	5	5 BL20B2	Np
383	2021B1682	Time-resolved SAXS study of hydrolysis kinetics of gum arabic using glycoside hydrolases	Noriyuki Isobe	Japan Agency for Marine- Earth Science and Technology	Japan	National and Nonprofit Organization	Life Science	3	BL40B2	Np
384	2021B1683	Pressure, differential stress, and starting material dependence of direct conversion temperatures to fabricate polycrystalline cubic boron nitride	Norimasa Nishiyama	Sumitomo Electric Industries, Ltd.	Japan	Industry	Materials Science and Engineering	12	2 BL04B1	Np
385	2021B1684	Charge-discharge operando Distribution analysis of constituent element on cross-sectional ceramic-type all-solid-state battery	Takeshi Kobayashi	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Chemical Science	15	BL27SU	Np
386	2021B1691	Local structure analysis of novel Rh subnanoparticle-encapsulated zeolite catalysts for low-temperature partial methane oxidation	Akira Oda	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
387	2021B1693	Elucidation of Activation Mechanism of Metal Nanoparticle Catalysts Under Visible and Near Infra-red Light Irradiation by Time-resolved Simultaneous XAFS/XRD Measurements	Akira Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	g	BL36XU	Np
388	2021B1696	Observation of interaction between solid-solution carbon and dislocations in steel by X-ray absorption spectroscopy under in-situ tensile testing.	Kakeru Ninomiya	Tohoku University	Japan		Materials Science and Engineering	8.875	BL27SU	Np
389	2021B1697	Multi-scale CT analysis of the function of unique neurons exchanging between right and left halves of the brain in the zebrafish embryo	Kohei Hatta	University of Hyogo	Japan	Educational Organization	Life Science	6	BL47XU	Np
390	2021B1698	Large area elemental mapping and bulk analysis of C-type asteroid analog samples at BL27SU	Hikaru Yabuta	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	g	BL27SU	Np
391	2021B1699	Depth-selective magnetism measurement of Eu-Fe thin film by energy- discriminated Mossbauer spectroscopy	Shinji Kitao	Kyoto University	Japan		Materials Science and Engineering	12	BL35XU	Np
392	2021B1703	Assemblies of π -Electronic Ion Pairs Exhibiting Polarized Structures	Hiromitsu Maeda	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
393	2021B1704	Cardiac mechanics of agnathan lamprey	Satoshi Mohri	Kawasaki Medical School	Japan	Educational Organization	Life Science	6	BL20B2	Np
394	2021B1705	Observation of the anisotropic phonon excitation of soft materials to understand the materials dynamics measured by inelastic X-ray scattering	Junko Morikawa	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL35XU	Np
395	2021B1708	Tuning of Plasmonic Features by Controlling Crystal Structure in Plasmonic Ordered Nanoalloys	Ryota Sato	Kyoto University	Japan		Materials Science and Engineering	6	BL02B2	Np
396	2021B1710	Influence of slice condition on the distribution of glyoxylic acid in human hair	Makoto Uyama	Shiseido Company, Ltd.	Japan	Industry	Industrial Applications	4	BL43IR	Np
397	2021B1711	Exploration of next-generation photoelectric conversion materials and analysis of their thin film structures powered by machine learning and synthetic chemistry	Akinori Saeki	Osaka University	Japan		Industrial Applications	3	BL46XU	Np
398	2021B1712	Analysis of dispersion state of functional inorganic nanoparticles in water- based mist by small angle X-ray scattering	Kiyoshi Kanie	Tohoku University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
399	2021B1714	Analysis of interface phenomena between cathode material and solid electrolyte during charging and discharging of all-solid-state batteries	Norikazu Ishigaki	Nagoya University	Japan	Educational Organization	Industrial Applications	18	BL46XU	Np
400	2021B1716	Effect of microstructure on self-relaxation mechanism of thermal stress in thermal barrier coating sprayed with fine particles	Yasuhiro Yamazaki	Chiba University	Japan	Educational Organization	Industrial Applications	g	BL02B1	Np
101	2021B1717	In situ XAS experiment for structural analysis of boryl copper species in solution at low temperature	Yuta Uetake	Osaka University	Japan	Educational Organization	Industrial Applications	g	BL14B2	Np

1Shift	=8Hours
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402	2021B1719	Time-resolved and in-situ observation of Shear Deformation in Semi-solid Cu Alloys	Tomohiro Nishimura	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	8.875	BL20B2	Np
403	2021B1720	Operando XAFS Measurement of the Intermediate in Coupling Reaction of Alkynes and Alcohols with Ni Catalyst for the development of Asymmetric Reaction	Takuya Kurahashi	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
404	2021B1721	Establishment of vapor deposition condition of thin film with good conductivity to enable to investigate chemical structure of organic insulating material	Tomoya Taji	JSR Corporation	Japan	Industry	Industrial Applications	9	BL17SU	Np
405	2021B1722	Study on Reaction Mechanisms of Li-excess Metal Sulfides as Positive Electrode Material by Synchrotron X-ray Diffraction	Naoaki Yabuuchi	Yokohama National University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
406	2021B1723	HERFD-XAS Study for the valence of Vanadium in Barium Titanate	Hitoshi Nishimura	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	6	BL39XU	Np
407	2021B1724	Operando X-ray CT analysis on metal dendrite formation in solid electrolyte of all-solid state battery	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	6	BL20XU	Np
408	2021B1725	HAXPES Study on Irreversible Charge-discharge of Lithium-ion Battery Full- cell	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
409	2021B1726	Relationship between local structures, electronic states, and electrocatalytic activities for quadruple perovskite oxides	Ikuya Yamada	Osaka Prefecture University	Japan	Educational Organization	Industrial Applications	1	BL14B2	Np
410	2021B1730	Non-destructive analysis of the electrical treeing in high-voltage cables	Keisuke Itoh	Industrial Technology Institute, Miyagi Prefectural Government	Japan	National and Nonprofit Organization	Industrial Applications	3	BL47XU	Np
411	2021B1731	Electronic structure analysis of Mg,Sr co-doped LLZ by soft X-ray absorption spectroscopy	Masahide Kaneko	NGK Spark Plug Co., Ltd.	Japan	Industry	Industrial Applications	3	BL27SU	Np
412	2021B1732	Feasibility study for fast measurement of magnetic fluorescence microscopy using a pink beam in BL36XU	Toshiya Inami	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	9	BL36XU	Np
413	2021B1733	Development of highly functional rubber materials by controlling the orientation of polymer-modified hexagonal disk-shaped magnetite nanoparticles	Kiyoshi Kanie	Tohoku University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
414	2021B1735	Application of PDF analysis to search for stable structure of amorphized medicines 2	Hironori Shimakura	Niigata University of Pharmacy and Applied Life Sciences	Japan	Educational Organization	Industrial Applications	5.875	BL04B2	Np
415	2021B1736	Heteroepitaxy of solution-processable organic semiconductor molecules exhibiting high charge carrier mobility (III)	Yasuo Nakayama	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	9	BL46XU	Np
416	2021B1737	Characterization of oxide film on Ni-Cr-Fe based alloy using resonant and angle-resolved hard x-ray photoemission spectroscopy	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	9	BL09XU	Np
417	2021B1738	XAFS studies on Fe-N-C/Ti3C2Tx MXene as Electrocatalyst for Oxygen Reduction Reaction for Proton Exchange Membrane Fuel Cell Application	WaiYin Wong	Universiti Kebangsaan Malaysia	Malaysia	Foreign	Industrial Applications	1	BL14B2	Np
418	2021B1740	Study of the horizontally focused X-ray beam using the bimorph mirror to observe the HAXPES measurement of the advanced devices and samples	Okkyun Seo	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	12	BL46XU	Np
419	2021B1741	Spatial Distribution and Correlation Analysis of Sulfur and Zinc Compounds in Vulcanized Polyolefin Rubber Using Activated Zinc Oxide	Yohei Nakanishi	Kyoto University	Japan	Educational Organization	Industrial Applications	8.875	BL27SU	Np
420	2021B1742	Observation of Chemical State in ferric orthophosphate coating by Soft X-ray emission spectroscopic analysis	Hidekazu Fukushi	Nihon Parkerizing Co., Ltd.	Japan	Industry	Industrial Applications	6	BL27SU	Np
421	2021B1743	In-situ HERFD-XANES study of valence states of trace transition-metal elements in dielectrics for MLCCs in high temperature and reduced atmosphere	Minoru Ryu	Taiyo Yuden Co., Ltd.	Japan	Industry	Industrial Applications	9	BL39XU	Np

1Shift	=8Hours
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422	2021B1744	Evaluation of Atmospheric Stability of Sulfide Solid Electrolytes by Time- Resolved PDF Analysis (2)	Koji Ohara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	15	BL08W	Np
423	2021B1745	Insitu Structural investigation of guest-induced multiple structural transitions in a flexible porous-coordination-polymer with gas adsorption	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Industrial Applications	5	BL14B2	Np
424	2021B1746	Observation of structural disorder during tensile deformation and fracture of synthetic fibers by USAXS measurement	Ren Tomisawa	Shinshu University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
425	2021B1747	The speciation and optimization of chemical–assisted washing of fluorine in solid waste based on soft X-ray XAFS analysis by partial fluorescence yield method	Hikaru Sawai	National Institute of Technology (KOSEN), Ibaraki College	Japan	Educational Organization	Industrial Applications	6	BL27SU	Np
426	2021B1748	Safety evaluation of nickel-based cathode materials by observing the dynamic structure inside a storage battery	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
427	2021B1750	Study of excitation energy dependence of probe depth of hard X-ray photoemission spectrum	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	12	BL46XU	Np
428	2021B1751	Operand Structural Analysis of Electrolytes in Lithium Ion Battery using Total X-ray Scattering	Tomoaki Takai	SOKEN,INC.	Japan	Industry	Industrial Applications	12	BL08W	Np
429	2021B1758	The effect of protein structure in hair during the heat treatment using infrared microspectroscopy.	Atsushi Baba	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	17.5	BL43IR	Np
430	2021B1759	Elucidation of Phase Behavior of Polyoxyethylene Secondary Alkyl Ether Surfactants by SAXS (3)	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
431	2021B1761	In-situ x-ray powder diffraction of electrodeposited n-type Cu2O and p-type Cu2O to identify phase transformations and thermal expansion	Charith Jayathilaka	University of Kelaniya	Sri Lanka	Foreign	Industrial Applications	3	BL19B2	Np
432	2021B1762	Hard X-ray Photoelectron Spectroscopic study of Iron in Acqueous-solution Environments	Takashi Doi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	15	BL09XU	Np
433	2021B1763	Mechanistic Study on Mechanochemical Solid-Phase Organic Reactions	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
434	2021B1764	Analysis of local structure of hazardous metal adsorbents by XAFS (2)	Masaru Endo	Daicel Corporation	Japan	Industry	Industrial Applications	3	BL14B2	Np
435	2021B1767	Non-destructive high-resolution imaging of laser processed single crystal materials	Yasunaga Nara	Hamamatsu Photonics K.K.	Japan	Industry	Industrial Applications	14.875	BL47XU	Np
436	2021B1768	Investigation of decrease of bond strength between concrete and reinforcement steel bar for development of the energy saving and high efficiency demolishing method by using non-destructive integrated CT-XRD method	Hayato Takahashi	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	12	BL28B2	Np
437	2021B1770	Study on the Emission Center for Hafnate Scintillator	Shunsuke Kurosawa	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
438	2021B1846	Development of Ultrathin Organic Ferroelectric Tunnel Junction Memristors	Pamarti Viswanath	Toyota Technological Institute	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
439	2021B1868	Investigation of structural disorder during tensile deformation of various synthetic fibers by USAXS measurement	Ren Tomisawa	Shinshu University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
440	2021B1869	Evaluation of negative thermal expansion property of BiNi1-xFexO3 by commercial production VII	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
441	2021B1870	Visualisation of the crystallisation process of perovskite polycrystals	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Industrial Applications	5.5	BL19B2	Np

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
442	2021B1871	In-Situ observation of crystallographic deformation of PZT superlattices and KNN epitaxial thin films	Isaku Kanno	Kobe University	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
443	2021B1872	Effects of solid solution ratio on electronic and local structures of MgCo2- xMnxO4-Mg(Mg0.33V1.67-yNiy)O4-based solid solution as cathode material for magnesium rechargeable battery	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
444	2021B1873	Investigation of the Crystal and Electronic Structures of Mg1.33(V1.67- xMnx)O4 as a Cahode Materials of Magnesium Secondary Battery during Discharge Process Using Rietveld and MEM analysis	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
445	2021B1874	Studies of maturation effect on the surface of a Si-based negative electrode for Li-ion batteries and electrochemically formed passivation layer by hard-X-ray photoelectron spectroscopy	Shinichi Komaba	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	5.5	BL46XU	Np
446	2021B1875	Local structural analysis of zirconium tungstate by In-situ XAFS	Mihee Lee	JX Nippon Mining & Metals Corporation	Japan	Industry	Industrial Applications	6	BL14B2	Np
447	2021B1876	X-ray scattering profile measurement of surface area of oxide melt for surface tension modelling of B2O3-based flux	Masanori Suzuki	Osaka University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
448	2021B1877	Safety Evaluation of High-Nickel Cathode Materials by Observing the Dynamic Structure Inside the Battery Using operando XRD Measurements	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
449	2021B1878	Analysis for electronic and local structures in perovskite-type oxyfluoride cathode materials with fluoride ion intercalation/deintercalation	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
450	2021B1879	Analysis for crystal structure in perovskite-type oxyfluoride cathode materials with fluoride ion intercalation/deintercalation	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
451	2021B1883	Optical measurements for the hardening mechanism elucidation of the food powders tablet and quality and production condition optimization	Akira Tamura	Meiji Co., Ltd.	Japan	Industry	Industrial Applications	2	BL14B2	Np
452	2021B1885	2D-GIWAXS analysis of covalent organic frameworks deposited on a reduced graphene oxide layer	Mitsuharu Suzuki	Osaka University	Japan	Educational Organization	Industrial Applications	5.875	BL19B2	Np
453	2021B1886	Operando investigation of temperature and guest responsive structural change of catalyst-containing multi-layered flexible porous-coordination- polymer-based chemiresistors	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Industrial Applications	7	BL46XU	Np
454	2021B1887	Role of network structure on the deformation behavior of hetero bimodal metals using diffraction contrast tomography	Yoshikazu Nakai	Kobe University	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
455	2021B1889	Simultaneous in situ SAXS and XAS measurements of platinum catalysts for polymer electrolyte fuel cell during electrochemical accelerated degradation tests with Oxygen Reduction Reaction	Teppei Kawamoto	University of Yamanashi	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
456	2021B1891	Nondestructive observation of corrosion products on Zn based coating using synchrotron radiation X-ray laminography (2)	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL46XU	Np
457	2021B1892	In-situ XAFS local structure analysis of Ir-doped MnO2 catalysts for the water- splitting reaction	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	5.5	BL14B2	Np
458	2021B1895	Development of GI-XAS, XRD measurement systems at BL19B2	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	3	BL19B2	Np
459	2021B1897	Structural Analysis of Heavy Metal Ion Adsorbed on Calcium Carbonate by XAS	Daisuke Kawamoto	Okayama University of Science	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
460	2021B1898	Elucidation of structure-durability relationship of multimetallic catalysts for deoxygenation of biomass-derived chemicals	Tomoo Mizugaki	Osaka University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
461	2021B1901	Evaluation of thermal characteristics and damages of sputtered SiO2/Si interface by temperature variable X-ray diffraction with synchrotron radiation	Ryo Yokogawa	Meiji University	Japan	Educational Organization	Industrial Applications	12	BL19B2	Np

1Shift	=8Hours
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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
462	2021B1935	Film Structure Analysis of High Performance Organic Solar Cells Prepared by Sequential Deposition Process	Keisuke Tajima	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	4	BL46XU	Np
463	2021B1936	Hard X-ray Photoelectron Spectroscopic Study on Mechanism of Imparting Functionality at Electrode-electrolyte Interface of All-solid-state Batteries	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
464	2021B1937	In situ XAFS measurement of BaO-SiO2 glasses during crystallization	Takato Kajihara	AGC Inc.	Japan	Industry	Industrial Applications	5.875	BL14B2	Np
465	2021B1938	Development of Stable Dispersion Method of Inorganic Nanoparticles with High Refractive Index	Kiyoshi Kanie	Tohoku University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
466	2021B1941	Development of low-temperature solution XAS instrumentations and local structure analysis of boryl copper complexes	Yuta Uetake	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
467	2021B1944	GIWAXS and GISAXS measurement of Ultrathin Organic Ferroelectric Polymers	Pamarti Viswanath	Toyota Technological Institute	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
468	2021B1945	Elucidation of structure-durability relationship of multimetallic catalysts for deoxygenation of biomass-derived chemicals	Tomoo Mizugaki	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
469	2021B1947	Start-up study of the new hexapod diffractometer	Tomoyuki Koganezawa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	9	BL46XU	Np
470	2021B1948	In-Situ observation of crystallographic deformation of piezoelectric PZT thin films: Investigation of piezoelectricity of PZT superlattice thin films	Isaku Kanno	Kobe University	Japan	Educational Organization	Industrial Applications	8.875	BL46XU	Np
471	2021B1949	Studies on effects of ligand addition to Pd catalysts for alkoxycarbonylation of alkenes by in situ XAFS	Haruno Murayama	Kyushu University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
472	2021B1950	Structural elucidation of conductive MOF and cMOF-on-MOF nano films by EXAFS	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
473	2021B1952	Investigation of structural phase transition phenomena in perovskite crystals	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Industrial Applications	5	BL19B2	Np
474	2021B1953	Structural analysis of pi-conjugated polymer thin films grown by vapor deposition polymerization using two dimensional grazing incidence x-ray diffraction	Ryosuke Matsubara	Shizuoka University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
475	2021B1955	Evaluation of extra peaks observed by around Si 006 using reciprocal space mapping by X-ray diffraction with synchrotron radiation	Ryo Yokogawa	Meiji University	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
476	2021B1957	Analysis of the effect of surface treatment on the adhesive interface between metal and thermosetting resins for electronic materials	Yasuyuki Shudo	Sumitomo Bakelite Co., Ltd.	Japan	Industry	Industrial Applications	6	BL46XU	Np
477	2021B1958	Elucidation of Phase Behavior of Polyoxyethylene Secondary Alkyl Ether Surfactants by SAXS (4)	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
478	2021B2520	Structural studies to elucidate the catalytic mechanism of biodegradable polymer synthases	Min Fey Chek	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
479	2021B2522	Elucidation of molecular evolution of aconitase superfamily	Seiya Watanabe	Ehime University	Japan	Educational Organization	Life Science	1	PX-BL (BL32XU)	Np
480	2021B2523	Elucidation of molecular mechanisms of Complex IV by using allosteric ligands	Yasunori Shintani	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Life Science	42	PX-BL (EM01CT, EM02CT)	Np
481	2021B2524	Crystal structure of an Oxidoreductase enzyme reveals promiscuity for a methylating cofactor and allowed cofactor-switch protein engineering	Saacnicteh Toledo Patino	Okinawa Institute of Science and Technology Graduate University	Japan	Educational Organization	Life Science	3	PX-BL (BL32XU)	Np

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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
482	2021B2525	Structural studies of light-induced energy conversion in photosynthetic proteins	Yasufumi Umena	Nagoya University	Japan	Educational Organization	Life Science	8.5	PX-BL (BL41XU, BL45XU)	Np
483	2021B2528	Development of room-temperature measurement and various structure analysis for protein crystals using synchrotron radiation	Seiki Baba	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	34.375	PX-BL (BL26B1)	Np
484	2021B2530	Structural analysis of membrane active transporters	Kazuhiro Abe	Nagoya University	Japan	Educational Organization	Life Science	6	PX-BL (EM01CT)	Np
485	2021B2531	Structural basis of flavohemoglobin from Candida norvegensis	Jotaro Igarashi	Fukushima Medical University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
486	2021B2532	Investigation on the structure-function relationship of the photoprotein, nanoKAZ	Yusuke Ohnishi	Wakayama Medical University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
487	2021B2533	Charge-density analysis of DNA crystals using synchrotron X-ray data at ultra- high resolution	Kazuki Takeda	Kyoto University	Japan	Educational Organization	Life Science	3.25	PX-BL (BL41XU)	Np
488	2021B2534	Crystal Structure Analysis of Building Block Proteins and Protein Supramolecular Nanostructures Based on 3D Domain Swapping	Shun Hirota	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	1.75	PX-BL (BL45XU)	Np
489	2021B2536	Structural determination of microtubule minus-end binding protein.	Tsuyoshi Imasaki	Kobe University	Japan	Educational Organization	Life Science	12	PX-BL (EM01CT)	Np
490	2021B2537	Structure analysis of an enzyme for a simple disposable aldehyde-sensor	Makoto Nakabayashi	Osaka Ohtani University	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU, BL45XU)	Np
491	2021B2538	Integrative structural biology of type IV pilus system in enteric bacterial pathogens	Shota Nakamura	Osaka University	Japan	Educational Organization	Life Science	11	PX-BL (BL45XU, EM01CT)	Np
492	2021B2540	Structural analysis of enzymes and regulatory proteins involved in alpha- oxamine biosynthesis.	Hiroko Ikushiro	Osaka Medical and Pharmaceutical University	Japan	Educational Organization	Life Science	2.25	PX-BL (BL26B1, BL45XU)	Np
493	2021B2541	X-ray diffraction and cryoTEM to study the structures of protein aggregates produced by precipitant reagent	Masayoshi Nakasako	Keio University	Japan	Educational Organization	Life Science	10	PX-BL (BL41XU, EM01CT)	Np
494	2021B2542	Structural basis of molecular signaling for the epilepsy-related ligand-receptor complex LGI1-ADAM22 axis	Shuya Fukai	Kyoto University	Japan	Educational Organization	Life Science	13	PX-BL (BL45XU, EM01CT, EM02CT)	Np
495	2021B2543*	Structural analysis of proteins involved in iron acquisition and transport system	Hiroshi Sugimoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	32.75	PX-BL (BL41XU, BL45XU, BL32XU, EM01CT)	Np
496	2021B2547	Study on dynamic structure and functional regulation of bifunctional proteins	Satoshi Nagao	University of Hyogo	Japan	Educational Organization	Life Science	11	PX-BL (BL38B1)	Np
497	2021B2548	Structural and functional analysis of CRISPR-Cas effector complex	Tomoyuki Numata	Kyushu University	Japan	Educational Organization	Life Science	49.5	PX-BL (BL41XU, BL45XU, EM01CT)	Np
498	2021B2550	Time-Resolved X-ray Crystallography of Photoprotein Aequorin at SPring-8	Toru Nakatsu	Wakayama Medical University	Japan	Educational Organization	Life Science	3	PX-BL (BL32XU)	Np
499	2021B2552	Analysis of cold-adaptation and thermal stability mechanism for cold-adapted enzymes from psychrophile bacteria in Antarctic Ocean	Masaki Horitani	Saga University	Japan	Educational Organization	Life Science	12	PX-BL (BL26B1, BL45XU)	Np
500	2021B2553	Structural analysis of novel sulfotransferase	Takamasa Teramoto	Kyushu University	Japan	Educational Organization	Life Science	4	PX-BL (BL41XU, BL45XU)	Np
501	2021B2554	Structural analysis of Trypanosoma brucei GMP reductase in complex with adenine nucleotides by means of X-ray crystallography and cryo-electron microscopy	Takashi Inui	Osaka Prefecture University	Japan	Educational Organization	Life Science	2.875	PX-BL (BL26B1)	Np

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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
502	2021B2556	Single crystal structure analysis of giant artificial protein molecules using synchrotron radiation X-ray	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	13.5	PX-BL (BL26B1, BL41XU, BL45XU)	Np
503	2021B2557	Co-crystal Structures of Flowering Repressor Protein with Synthetic Ligands	Kotaro Nishiyama	RIKEN	Japan	National and Nonprofit Organization	Life Science	3	PX-BL (BL45XU)	Np
504	2021B2559	Development of an experimental method for visualising enzymatic reaction induced by temperature shift.	Takaaki Fujiwara	Tohoku University	Japan	Educational Organization	Life Science	1.75	PX-BL (BL45XU)	Np
505	2021B2560	Development of new therapeutic agents for high-risk emerging re-emerging infectious diseases	Hironori Hayashi	Tohoku University	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	Np
506	2021B2714	[2021A APPD]Structural basis of catalytic mechanism of opine dehydrogenase involved in the "opine concept" by plant-pathogenic Agrobacterium tumefaciens.	Seiya Watanabe	Ehime University	Japan	Educational Organization	Life Science	3.75	PX-BL (BL45XU, BL32XU)	Np
507	2021B2717	[2021A APPD]Structural studies of Sphingosine-1-phosphate receptors in complex with different ligands	Beili Wu	Chinese Academy of Sciences	China	Foreign	Life Science	3	PX-BL (BL45XU)	Np
508	2021B2718	[2021A APPD]Low-dose diffraction data collection for metalloprotein crystals toward an understanding of metal complexation mechanism	Norifumi Muraki	National Institutes of Natural Sciences	Japan	National and Nonprofit Organization	Life Science	0.5	PX-BL (BL45XU)	Np
509	2021B2719	[2021A APPD]Crystallographic study on the functional interaction between the plant PCNA and FEN1 working for DNA replication	Takuji Oyama	University of Yamanashi	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
510	2021B2721	[2021A APPD]Structure analyses of an RNA aptamer in complex with AML-1	Shigeru Sugiyama	Kochi University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
511	2021B2725	[2021A APPD]Upgrade of BL41XU for time resolved and ultra high resolution structural analysis	Kazuya Hasegawa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	20.5	PX-BL (BL41XU)	Np
512	2021B2730	[2021A APPD]Structural study on human GPR55 receptors.	Zhi-Jie Liu	ShanghaiTech University	China	Foreign	Life Science	3	PX-BL (BL41XU)	Np
513	2021B2736	[2021A APPD]Structural basis of modification of fluorescence proteins toward long wavelength fluorescence emission	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.25	PX-BL (BL41XU)	Np
514	2021B2737	[2021A APPD]Structural basis of the adhesion machinery of Bacteroides	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
515	2021B2738	[2021A APPD]Structural study of the bacterial type III protein export machinery	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
516	2021B2739	[2021A APPD]Structural basis for enhancement of enzyme function regulated by calcium-dependent manner of PET degrading cutinase Cut190	Nobutaka Numoto	Tokyo Medical and Dental University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL45XU)	Np
517	2021B2741	[2021A APPD]Crystal structural analysis of photosystem II water-splitting reaction intermediates and photosystem II under different pH conditions	Jian-Ren Shen	Okayama University	Japan	Educational Organization	Life Science	7.75	PX-BL (BL41XU, BL45XU)	Np
518	2021B2742	[2021A APPD]Structural study of type V CRISPR-Cas systems	Yanli Wang	Chinese Academy of Sciences	China	Foreign	Life Science		PX-BL (BL45XU)	Np
519	2021B2743	[2021A APPD]Crystallographic analysis of enzymes related with phosphate elimination, addition and rearrangement	Masahiro Fujihashi	Osaka Medical and Pharmaceutical University	Japan	Educational Organization	Life Science	3.5	PX-BL (BL45XU)	Np
520	2021B2744	[2021A APPD]Rapid protein structural asnalyis	Satoshi Abe	Tokyo Institute of Technology	Japan	Educational Organization	Life Science	9	PX-BL (BL32XU)	Np
521	2021B2745	[2021A APPD]Structural analysis of the Sec translocon complex and lipid/sugar transporters	Tomoya Tsukazaki	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	4	PX-BL (BL32XU)	Np
522	2021B2746	[2021A APPD]Crystallographic Study of the Serotonin Receptors	Sheng Wang	Chinese Academy of Sciences	China	Foreign	Life Science	3	PX-BL (BL45XU)	Np

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	Number		-				Category			proprietary(NP)
523	2021B2747	[2021A APPD]Structural analysis of reaction intermediate in nitric oxide reductase under anaerobic condition created by oxygen barrier film	Takehiko Tosha	RIKEN	Japan	National and Nonprofit Organization	Life Science	8.875	PX-BL (BL32XU)	Np
524	2021B2748	[2021A APPD]Ring-type quaternary structure and supramolecular assembly of peroxiredoxin	Tsutomu Nakamura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Life Science	4.25	PX-BL (BL41XU, BL45XU)	Np
525	2021B2749	[2021A APPD]Development aimed at improving the performance of the in-situ measurement environment with a crystallization plate	Hideo Okumura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	13.125	PX-BL (BL26B1, BL45XU)	Np
526	2021B2751	[2021A APPD]X-ray structural analysis of tight junction related membrane proteins.	Shun Nakamura	Tokyo Medical and Dental University	Japan	Educational Organization	Life Science	4	PX-BL (BL45XU)	Np
527	2021B2753	[2021A APPD]Accurate structural analysis of biological macromolecules with X-ray crystallography	Kazuki Takeda	Kyoto University	Japan	Educational Organization	Life Science	1.75	PX-BL (BL41XU)	Np
528	2021B2755	[2021A APPD]Structural determination of a secreted protein responsible for type IV pili-mediated colonization by enteric pathogen	Shota Nakamura	Osaka University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
529	2021B2756	[2021A APPD]Structural study on membrane protein BcsC: a subunit of bacterial cellulose synthesis complex	Jian Yu	Hokkaido University	Japan	Educational Organization	Life Science	5	PX-BL (BL45XU)	Np
530	2021B2758	[2021A APPD]"in crystallo" catalytic analysis using HAG method	Takeshi Murakawa	Osaka Medical and Pharmaceutical University	Japan	Educational Organization	Life Science	9.375	PX-BL (BL26B1, BL45XU)	Np
531	2021B2760	[2021A APPD]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		PX-BL (BL26B1)	Np
532	2021B2761	[2021A APPD]Mechanism of actin ATP hydrolysis revealed by high resolution crystal structures	Shuichi Takeda	Okayama University	Japan	Educational Organization	Life Science	5.5	PX-BL (BL41XU, BL45XU)	Np
533	2021B2762	[2021A APPD]Structural basis for phosphatidylcholine biosynthesis in plant pathogenic bacteria	Yasunori Watanabe	Yamagata University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU, BL32XU)	Np
534	2021B2766	[2021A APPD]Crystal structure analyses of ubiquitin chain recognition and ubiquitin chain formation by Triad3	Kei Okatsu	Kyoto University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
535	2021B2767	[2021A APPD]Integrated structural and functional analysis of a metalloprotein at the quantum level	Yota Fukuda	Osaka University	Japan	Educational Organization	Life Science	1.75	PX-BL (BL41XU)	Np
536	2021B2769	[2021A APPD]Structural study on new PDI family prroteins in protein quality control	Satoshi Watanabe	Tohoku University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
537	2021B1053	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	42	BL20XU	Р
538	2021B1054	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	6	BL47XU	Р
539	2021B1055	Analysis of electroless plating reaction by XAFS	Junichi Nakajima	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	3	BL01B1	Р
540	2021B1056	Analysis of electroless plating reaction by time-resolved XAFS	Junichi Nakajima	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	6	BL28B2	Р
541	2021B1057	High resolution X-ray CT on Membrance Electrode Assembly in polymer electrolyte fuel cell	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Materials Science and Engineering	1	BL47XU	Р
542	2021B1058	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	BL40XU	Р

Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
2021B1059	Analysis of applied materials by Soft X-ray spectroscopy	Takashi Oyama	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	8	BL25SU	Р
2021B1060	3D structure observation of carbon materials	Takayuki Harano	NIPPON STEEL Chemical & Material Co., Ltd.	Japan	Industry	Industrial Applications	1	BL47XU	Р
2021B1061	Precision structure analysis for ceramics by SR-XRD	Yuki Nagamine	TDK Corporation	Japan	Industry	Industrial Applications	5	BL02B2	Р
2021B1062	X-ray spectroscopy in rare-earth alloys	Kazushige Hyodo	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	2	BL39XU	Р
2021B1064	HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Industrial Applications	3	BL09XU	Р
2021B1065	Verification of wide-field-view and high-resolution X-ray CT imaging technology	Junishi Nakamura	Honda Motor Co., Ltd.	Japan	Industry	Industrial Applications	1.875	BL28B2	Р
2021B1066	Micro-beam XAFS study for Chemical State and distribution in Ceramics Part2	Shota Fujinaka	Murata Manufacturing Co., Ltd.	Japan	Industry	Materials Science and Engineering	5.875	BL37XU	Р
2021B1067	Structural analysis of small molecule inclusion state of polymer aggregate by X-ray scattering method	Ryota Nambara	Kao Corporation	Japan	Industry	Industrial Applications	1	BL40B2	Р
2021B1068	Structure shape analysis using X-ray microtomography	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1	BL47XU	Р
2021B1069	Dispersion state analysis of filler in resin using X-ray microtomography	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1	BL47XU	Р
2021B1070	3D observation of microstructure in ceramics substrate	Takeshi Shimada	Hitachi Metals, Ltd.	Japan	Industry	Industrial Applications	2	BL47XU	Р
2021B1071	Structural evaluation of porous materials	Takafumi Kawanishi	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL20B2	Р
2021B1072	Structural evaluation of resin	Takafumi Kawanishi	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL47XU	Р
2021B1073	Structural evaluation of porous materials	Takafumi Kawanishi	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL28B2	Р
2021B1075	SAXS measurement	Kazuhiko Komori	SPring-8 Service Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	Р
2021B1076	XAFS measurement	Kazuhiko Komori	SPring-8 Service Co., Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	Р
2021B1077	Powder X-ray diffraction of active pharmaceutical ingredients and their intermediates	Tetsuya Suzuki	Daiichi Sankyo Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	Р
2021B1078	Characterization of oxide film on metal using HAXPES	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	3	BL09XU	Ρ
2021B1080	HAXPES analysis of metal compounds	Hiroko Hayamizu	Nippon Steel Technology Co., Ltd.	Japan	Industry	Industrial Applications	2	BL46XU	Р
2021B1081	Analysis of cellulose structural changes using small-angle scattering	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1	BL19B2	Р
2021B1860	Thin film X-ray structural analysis of organic thin film	Hisashi Tetsutani	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	3	BL46XU	Р
	Proposal	Proposal Number Performed Proposal Title 2021B1059 Analysis of applied materials by Soft X-ray spectroscopy 2021B1060 3D structure observation of carbon materials 2021B1061 Precision structure analysis for ceramics by SR-XRD 2021B1062 X-ray spectroscopy in rare-earth alloys 2021B1064 HAXPES study of semiconductor materials 2021B1065 Verification of wide-field-view and high-resolution X-ray CT imaging technology 2021B1066 Micro-beam XAFS study for Chemical State and distribution in Ceramics Part2 2021B1066 Micro-beam XAFS study for Chemical State and distribution in Ceramics Part2 2021B1066 Structure shape analysis of small molecule inclusion state of polymer aggregate by X-ray scattering method 2021B1069 Dispersion state analysis of filler in resin using X-ray microtomography 2021B1070 3D observation of microstructure in ceramics substrate 2021B1071 Structural evaluation of porous materials 2021B1072 Structural evaluation of porous materials 2021B1075 SAXS measurement 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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
564	2021B1861	Structural Analysis of SiO2 Thin Films for Surface Acoustic Wave Device utilizing HAXPES	Yoshiro Kabe	Skyworks Filter Solutions Japan Co., Ltd.	Japan	Industry	Industrial Applications	0.875	BL46XU	Ρ
565	2021B1862	X-ray Laminography Measurement of Electronic Components	Takashi Kouzaki	Panasonic Corporation	Japan	Industry	Industrial Applications	1	BL46XU	Р
566	2021B1863	Local structure analysis of solid catalysts by X-ray absorption fine structure	Shota Matsuo	Kao Corporation	Japan	Industry	Industrial Applications	2	BL14B2	Ρ
567	2021B1864	Crystal structure analysis of lithium ion battery electrode by In-situ X-ray diffraction	Ryo Oosone	KYOCERA Corporation	Japan	Industry	Industrial Applications	2	BL19B2	Ρ
568	2021B1865	Local crystal structure analysis of Ba-Y-Zr-O oxides by EXAFS method	Naoyuki Hatada	Kyoto University	Japan	Educational Organization	Industrial Applications	1	BL14B2	Ρ
569	2021B1866	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Group Corporation	Japan	Industry	Industrial Applications	6	BL46XU	Ρ
570	2021B1922	Analysis of rubber by WAXS	Rika Ohashi	Sumitomo Riko Company Limited	Japan	Industry	Industrial Applications	1	BL46XU	Ρ
571	2021B1923	XAFS analysis of cathode electrode for Li ion batteries	Naomi Suzuki	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	2	BL14B2	Р
572	2021B1924	Characterization of L10-ordered FeNi alloy films with island structures by anomalous scattering X-ray diffraction	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL46XU	Р
573	2021B1925	XAFS measurement of zirconium species	Shota Matsuo	Kao Corporation	Japan	Industry	Industrial Applications	1	BL14B2	Р
574	2021B1927	CT-XAFS Study of Secondary Battery Cells	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL46XU	Р
575	2021B1928	X-ray Computed Tomography Observations of Electronics Devices	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL14B2	Р
576	2021B1930	Visualization of tissue in swollen state of dried Wakame seaweed and its application to improvement of quality of dried Wakame	Takashi Oba	Riken Food Co., Ltd.	Japan	Industry	Industrial Applications	2	BL14B2	Р
577	2021B1931	Local structure analysis of Co and Ni catalysts by X-ray absorption fine structure	Tsuyoshi Hirota	Kao Corporation	Japan	Industry	Industrial Applications	1	BL14B2	Р
578	2021B1932	Structure analysis of The Reaction Process under Special Environment with in-situ X-ray diffraction	Mayu Morita	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	5	BL19B2	Р
579	2021B1933	Analysis on the mechanism of its ecxellent strength and ductility balance	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	1	BL46XU	Р
580	2021B1934	Analysis on the mechanism of its ecxellent strength and ductility balance	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	1	BL46XU	Р
581	2021B2502	Structure analysis of proteins related to disease	Noritaka Furuya	KISSEI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	4.25	PX-BL (BL41XU, BL45XU)	Р
582	2021B2503	Diffraction data collection for x-ray crystallography of drug-target proteins	Mizuki Takahashi	DAIICHI SANKYO RD NOVARE CO., LTD.	Japan	Industry	Industrial Applications	2	PX-BL (BL45XU)	Ρ
583	2021B2504	Structure-based pesticide development	Yoshiki Tanaka	AgroDesign Studios	Japan	Industry	Industrial Applications	1	PX-BL (BL45XU)	Р
584	2021B2506	Structure analysis of proteins related to disease	Toshiaki Yamaura	Asahi Kasei Pharma Corporation	Japan	Industry	Industrial Applications	9.5	PX-BL (BL45XU, EM01CT)	Р
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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
585	2021B2508	Structure analysis of complex of disease related proteins and their regulatory compounds	Yasushi Amano	Astellas Pharma Inc.	Japan	Industry	Life Science	11.25	PX-BL (BL45XU, BL32XU, EM01CT)	Р
586	2021B2509	Structural insights into antibody/antigen complex	Jian Sun	BeiGene Ltd.	China	Foreign	Life Science	1.5	PX-BL (BL45XU)	Р
587	2021B2510	Structure analysis of proteins related to disease	Yuichiro Nakaishi	Otsuka Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	4	PX-BL (BL45XU)	Р
588	2021B2511	Structural analysis of protein and ligand/protein complex for structure-based drug design	So Nakagawa	CHUGAI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	8.75	PX-BL (BL45XU)	Р
589	2021B2512	Structural Biology of Protein-Ligand complex for Drug Discovery	Zenzaburo Nakata	Shionogi & Co., Ltd.	Japan	Industry	Life Science	5	PX-BL (BL45XU)	Р
590	2021B2513	X-ray or Cryo-EM structure determination of the protein with compound	Tsuyoshi Adachi	Japan Tobacco Inc.	Japan	Industry	Industrial Applications	10.5	PX-BL (BL45XU, BL32XU, EM01CT)	Р
591	2021B2514	Structural determination of target proteins for medical product development	Hiroyuki Kishida	Mitsubishi Tanabe Pharma Corporation	Japan	Industry	Life Science	7	PX-BL (BL45XU)	Р
592	2021B2515	Correlation structure analysis of Proteins using X-ray Crystallography and Cryo-TEM on 'Platform Project for Supporting Drug Discovery and Life Science Research(BINDS)'	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	30	PX-BL (EM01CT, EM02CT)	Р
593	2021B2516	Structural analysis of disease-related protein	Rie Omi	ONO PHARMACEUTICAL CO., LTD.	Japan	Industry	Life Science	4.5	PX-BL (BL32XU, EM01CT)	Р
594	2021B2517	Structural analysis of drug candidate complexes	Hideki Shigematsu	RIKEN	Japan	National and Nonprofit Organization	Life Science	30	PX-BL (EM01CT)	Р
595	2021B2518	Crystal structure analysis of target proteins in complex with drug candidate compounds	Masafumi Kamitani	Taisho Pharmaceutical Holdings Co., Ltd.	Japan	Industry	Life Science	2	PX-BL (BL45XU, BL32XU)	Р
596	2021B2701	[2021A APPD]Structure analysis of proteins related to disease	Hiroki Omura	Teijin Pharma Limited	Japan	Industry	Industrial Applications	2	PX-BL (BL45XU)	Р
597	2021B2702	[2021A APPD]Macromolecule protein crystals for data collection	Wang Cheng	Wuxi Biortus Biosciences Co. Ltd	China	Foreign	Industrial Applications	8.5	PX-BL (BL45XU)	Р
598	2021B2704	[2021A APPD]Data collection on protein crystals for structure based drug design	Fan Jiang	Viva Biotech (Shanghai) Ltd.	China	Foreign	Life Science	32.5	PX-BL (BL45XU)	Р
599	2021B2708	[2021A APPD]Protein X-ray crystallography	Hajime Saburi	Toray Industries, Inc.	Japan	Industry	Life Science	1	PX-BL (BL45XU)	Р
600	2021B2710	[2021A APPD]Diffraction Data Acquisition and Evaluation of the Protein Crystals grown by Space Experiment.	Hiroaki Tanaka	Confocal Science Inc.	Japan	Industry	Life Science	9	PX-BL (BL41XU)	Р
601	2021B2711	[2021A APPD]Structural analysis of the therapeutic target protein with its ligands	Satoshi Sogabe	Axcelead Drug Discovery Partners Inc.	Japan	Industry	Industrial Applications	6.75	PX-BL (BL41XU, EM01CT, EM02CT)	Р
602	2021B2712	[2021A APPD]Evaluation of the Protein Crystals under Microgravity by Synchrotron Radiation	Mitsugu Yamada	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Life Science	4	PX-BL (BL41XU, BL45XU)	Р
603	2021B2713	[2021A APPD]X-ray crystallography of drug-related proteins	Tatsuya Suzuki	Taiho Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.5	PX-BL (BL45XU)	Р

2021B, Performed Budding Researchers Support Proposals

5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	1Shift =8Hour Proprietary(P)/Non proprietary(Np)
1	2021B1772	Weyl phase transition in Ni-doped Co3Sn2S2	Tyler Cochran	Princeton University	USA	Foreign	Materials Science and Engineering	17.875	BL25SU	Np
2	2021B1774	in situ observation of flux-growth dynamics under high pressure	Kohdai Ishida	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B1	Np
3	2021B1775	Crystalline phase control of TiO2 nano particle by supercritical reaction field.	Tomoki Fujita	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
4	2021B1776	Search for phase and structure change of Li-P-S-X (X = O, Br, Cl, I) system	Subin Song	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
5	2021B1778	Structural and dynamic analysis of supramolecular hydrogen-bonded networks	Chisako Kanzaki	Kyoto Prefectural University	Japan	Educational Organization	Materials Science and Engineering	3	BL43IR	Np
6	2021B1780	Temperature determination of Alumina-supported Rh catalysts under visible and near-infrared light irradiation by operando dispersive XAS measurement	Daichi Takami	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL28B2	Np
7	2021B1783	Development of In-situ Synchrotron X-ray Powder Diffraction of Ball Milling	Yanyan Zheng	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	8.875	BL02B2	Np
8	2021B1785	Direct synthesis of oxyhydride by mechanochemical method	Tasuku Uchimura	The Graduate University for Advanced Studies, SOKENDAI	Japan	Educational Organization	Materials Science and Engineering	2.875	BL02B2	Np
9	2021B1790	Quantitative evaluation of interaction between adsorbed ions and clay minerals	Akiko Yamaguchi	The University of Tokyo	Japan	Educational Organization	Environmental Science	6	BL39XU	Np
10	2021B1792	Understanding the kinetics of adsorption-induced structural transition on flexible metal-organic frameworks	Yuta Sakanaka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
11	2021B1795	In-situ XAFS analysis for nanoparticulate multimetallic alloy catalyst with high propane dehydrogenation performance	Yuki Nakaya	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	12	BL01B1	Np
12	2021B1797	Bulk electronic structure of the wide-gap semiconductor h-BN measured by the combination of micro-focused soft x ray angle-resolved photoemission spectroscopy and exfoliation method	Hiroaki Tanaka	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	Np
13	2021B1798	Development of functional materials based on precise structural analysis and elucidation of molecular alignment of pentafulvalene derivative ultrafine crystals	Masahiro Hayakawa	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
14	2021B1799	in situ Structural Analysis of Near Infrared Light Responsive Porous Crystals	Shun Suginome	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
15	2021B1802	Exploring the high-pressure phase of PbFCI-type BaHCI using in-situ XRD measurements	Hiroki Ubukata	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL04B1	Np
16	2021B1803	Virtual dental histology using SR micro-CT: Distinguishing between stillbom and newborn infants from neonatal line	Yuko Miyauchi	The Cyprus Institute	Cyprus	Foreign	Other	6	BL20XU	Np
17	2021B1804	Crystal structure analysis of additively manufactured maraging steel and titanium alloys	Akira Otsu	Tottori University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
18	2021B1807	Average and local structure in hydride ion conductors A2H3X with chemical disorder	Hiroki Ubukata	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
19	2021B1808	Pyrrole-Based π-System–Anion Complexes : Countercation-Dependent Evaluation of Charge Density Distribution through High Resolution Crystal Structure X-ray Analysis	Hiroki Tanaka	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
20	2021B1809	Novel approach method to realize unconventional superconductivity in C60 fullerides: creation of quantum criticality and anomalous electronic phase via rare-earth valence fluctuation control	Naoya Yoshikane	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np

2021B, Performed Budding Researchers Support Proposals

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
21	2021B1810	Investigating the evolutionary history of squids: exploration of "hidden fossil records" using high-resolution 3D imaging	Shin Ikegami	Hokkaido University	Japan	Educational Organization	Earth and Planetary Science	12	BL20B2	Np
22	2021B1813	Three-dimensional cmparison of pigment-secreting organs in molluscan mantles and construction of a mathematical model for the secretion process	Hideaki Sato	The University of Tokyo	Japan	Educational Organization	Life Science	3	BL20B2	Np
23	2021B1814	Structural Analysis of Polyurethanes with Non-Chemical Cross-linking Based on Acetylated Cyclodextrins by FT-IR under stretching	Subaru Konishi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	3	BL43IR	Np
24	2021B1815	In situ x-ray diffraction study of the crystalline structure modification of ammonia synthesis catalysts during hydrogen/nitrogen treatment	Yu Cao	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
25	2021B1818	In-situ observation of redox behavior and changes in structure and electronic state of W polyoxometalate using HERFD-XAS	Tomoki Matsuyama	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
26	2021B1821	Speciation of uranium in environmental sample by HERFD-XANES	Takumi Yomogida	The University of Tokyo	Japan	Educational Organization	Chemical Science	5.875	BL39XU	Np
27	2021B1823	Development of a nanoprecise figure correction cycle for axisymmetric focusing mirrors using soft x-ray ptychography	Shunya Yokomae	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	6	BL25SU	Np
28	2021B1826	Crystal structure analysis of new structure-type ionic conductors based on oxides and oxychlorides by synchrotron X-ray powder diffraction method at high temperature	Hiroshi Yaguchi	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
29	2021B1827	Elucidation of the pressure-induced local structural change around molybdenum in basaltic glasses based on in-situ XAFS measurements at ultra-high pressure using nano-polycrystalline diamond anvils and exploring the factors governing pressure changes in the coordination structure of trace elements	Keisuke Ozawa	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	8.5	BL39XU	Np
30	2021B1828	Ion-Pairing Assemblies Based on Antiaromatic Charged π -Electronic Systems	Shinya Sugiura	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
31	2021B1829	Lattice distortion analysis of single DNA-NP colloidal crystal by using small angle X-ray scattering with rotating crystal method	Lidong Zhang	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
32	2021B1830	Structural Analysis of Polyurethanes With Non-Chemical Crosslinking (Acetylated Cyclodextrins) by X-ray Scattering Measurements	Soumei Kin	Osaka University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
33	2021B1832	Local structural and compositional evolution of cationic POM crystalline samples with highly acidic protons	Yuki Watanabe	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
34	2021B1833	Development of Functional Materials of π -Electron Systems Containing Main Group Elements by Control Over the Molecular Orientation	Hiroki Narita	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
35	2021B1836	Demonstration of bright and stable sub-100-nm-wide nanoprobes in a soft-X-ray region by ptychography images at a 10-nm spatial resolution	Takenori Shimamura	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	12	BL25SU	Np
36	2021B1837	MEM-Rietveld analyses for the precise crystal structure and the unusual thermal conductivity of silver chalcogenide, Ag2(S, Se, Te).	Keisuke Hirata	Toyota Technological Institute	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
37	2021B1840	In situ QXAFS analysis for oxygen storage materials supported Pt three-way catalysts	Yuan Jing	Hokkaido University	Japan	Educational Organization	Industrial Applications	8.875	BL14B2	Np
38	2021B1841	Investigations on molecular alignments of non-fullerene acceptors and conjugated polymers in organic photovoltaic devices with high stability, reproducibility, and efficiency	Keiichi Ishida	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
39	2021B1843	Evaluation of Thermal Expansion Coefficient in Strain-Relaxed GeSn by Reciprocal Space Mapping	Kazutoshi Yoshioka	Meiji University	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
40	2021B1844	Analysis of Polydimethylsiloxane containing Host-Guest Interaction of Cyclodextrin through X-ray Scattering	Daichi Yoshida	Osaka University	Japan	Educational Organization	Industrial Applications	0.875	BL19B2	Np

2021B, Performed Budding Researchers Support Proposals

										1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
41	2021B1902	Electronic states study of La1–xSrxFe1–yCoyO3 by using X-ray absorption spectroscopy	Yuichi Okazaki	Osaka Prefecture University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
42	2 2021B1903	Homogenization mechanism of phase-separated Na2O-B2O3-SiO2 glass probed by Ni2+ local environment using XAFS analysis	Kana Tomita	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
43	3 2021B1904	Investigation into the effect of Ag addition on clustering behavior in Al-Mg-Si alloy by XAFS analysis	Serina Tanaka	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
44	2021B1905	XAFS analysis of electronic state of a mesoporous silica-immobilized vanadium catalyst for dehydrogenative biaryl coupling reactions	Kengo Kasama	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
45	5 2021B1906	Quantitative Evaluation of Band Alignment for the Carrier-Selective Contact layer in Two-Dimensional Layered Materials for Carrier-Selective Contact Solar Cells	Tappei Nishihara	Meiji University	Japan	Educational Organization	Industrial Applications	9	BL46XU	Np
46	2021B1907	Development of in situ observation at electrode/electrolyte interface using X- ray diffraction method for all-solid-state photo-rechargeable-battery under light irradiation	Masataka Yoshimoto	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	8.875	BL46XU	Np
47	2021B1960	Crystal structure change of Mg(Co1-xFex)2O4 as positive electrode active material in Mg rechargeable battery during charge/discharge process	Jonghyun Han	The University of Tokyo	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
48	3 2021B1962	XAFS study on Pt-based multimetallic alloys as efficient catalysts for methylcyclohexane dehydrogenation	Feilong Xing	Hokkaido University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
49	9 2021B1963	Homogenization mechanism of phase-separated Na2O-B2O3-SiO2 glass with time-resolved SAXS analysis for micro-reactor.	Kana Tomita	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
50) 2021B1964	Correlation between bonding state and mechanical and electrochemical properties of Li-Si alloy anode synthesized by arc plasma deposition method.	Sho Asano	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
51	2021B2562	Crystal structures of a DNA/RNA methylase: Elucidation of the structural basis for broad substrate specificity and its application to enzyme engineering	Yoshiki Ochiai	Okinawa Institute of Science and Technology Graduate University	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU)	Np
52	2 2021B2772	[2021A APPD]Dynamic Structure Trapping of Intrinsically Disordered Proteins immobilized in In-Cell Protein Crystal	Mariko Kojima	Tokyo Institute of Technology	Japan	Educational Organization	Life Science	4	PX-BL (BL32XU)	Np

2021B, Performed Urgent Proposals

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1 2	2021B1908	Structural analysis of spike protein from SARS-CoV-2 in complex with a nanobody	Yota Fukuda	Osaka University	Japan	Educational Organization	Life Science	0.5	BL41XU	Np

2021B, Performed Time-Designated Proposals

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1	2021B2001	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	13	BL17SU	Р
2	2021B2002	High energy X-ray CT observation on welded part of steels.	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	1	BL28B2	Р
3	2021B2005	Internal morphology measurement of electrification components by high- energy high-brilliance synchrotron radiation x-ray	Hidehiko Kimura	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	1	BL05XU	Р
4	2021B2012	3D chemical Imaging of metal oxide materials	Toshio Akai	Mitsubishi Chemical Corporation	Japan	Industry	Chemical Science	2	BL37XU	Р
5	2021B2013	XMCD measurements for permanent magnets 4	Akihito Kinoshita	Toyota Motor Corporation	Japan	Industry	Materials Science and Engineering	3	BL39XU	Р
6	2021B2016	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	3	BL20XU	Р
7	2021B2018	Mapping Measurement of Battery Materials by spatially resolved XAFS techniques	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	3	BL37XU	Р
8	2021B2020	Unveiling the elementary process of composites failure using an fatigue testing machine for in-situ observation by synchrotron radiation X-ray CT	Kosuke Takahashi	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	2	BL20XU	Р
9	2021B2021	High speed X-ray imaging on switching IC	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	2	BL20B2	Р
10	2021B2038	Surface analysis of regenerated cellulose fibers with new dyeing methods	Hidemi Aida	Tohoku Seiren Co., Ltd.	Japan	Industry	Industrial Applications	1	BL40XU	Р
11	2021B2039	Operando soft X-ray absorption spectroscopy study of Pt-based catalyst for polymer electrolyte fuel cell	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	9	BL27SU	Р
12	2021B2048	Nondestructive observation of the internal microstructure of rice bran.	Shujiro Endo	Sanwa Yushi Co., Ltd.	Japan	Industry	Industrial Applications	1	BL47XU	Р
13	2021B2050	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	3	BL47XU	Р
14	2021B2051	Analysis of muscle component behavior in the hardening and softening process of the world's hardest food, katsuobushi, and application to marine product processing.	Hitoshi Abe	Abekame Shoten Co., LTD.	Japan	Industry	Industrial Applications	1	BL19B2	Ρ
15	2021B2055	Comparative survey of internal strains of shafts subjected to carburizing, quenching and tempering of surface-hardened steel and shafts subjected to quenching and tempering of high carbon steel, and comparative survey of strain changes after repeated torsional fatigue.	koji Yamamoto	Komatsu Ltd.	Japan	Industry	Industrial Applications	4	BL19LXU	Р
16	2021B2056	Observation of bubbles in beer	Akifumi Oishi	Asahi Quality & Innovations, Ltd.	Japan	Industry	Industrial Applications	1	BL20B2	Р
17	2021B2057	Nondestructive analysis of fuel cell materials using laminography	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	6	BL20B2	Р
18	2021B2058	Evaluation of pores in optical thin film	Daisuke Tanaka	Ahikofinetec	Japan	Industry	Materials Science and Engineering	1	BL40B2	Р
19	2021B2062	Observation of deformation process of rubber material under elongation with high resolution X-ray CT method	Yukiko Tamura	JSR Corporation	Japan	Industry	Industrial Applications	1	BL47XU	Р
20	2021B2063	Total X-ray scattering measurement of carbon material	Takanori Itoh	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL04B2	Р

2021B, Performed Time-Designated Proposals

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S/	N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
	21 2	2021B2064	X-ray CT analysis of all-solid-state battery	Yuki Orikasa	Ritsumeikan University	Janan	Educational Organization	Chemical Science	2	BL20B2	Р
	22 2	2021B2065	SAR for drug development	Nithya Baburajendran	Experimental Drug Development Centre	Singapore	Foreign	Life Science	0.5	BL45XU	Р
	23 2	2021B2078	Liquid Water Distributions by Compton Scattering Imaging	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	3	BL08W	Р
	24 2		Operando soft X-ray absorption spectroscopy study of Pt-based catalyst for Polymer Electrolyte Fuel Cell	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	3	BL27SU	Р
	25 2	2021B2081	XRD measurement for ceramics device	Yuki Nagamine	TDK Corporation	Japan	Industry	Industrial Applications	1	BL02B2	Р

2021B, Performed SPring-8 Measurement Services

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
	2021B2003	XAFS analysis for rubber	Takayuki Saito	Zeon Corporation	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
2	2021B2004	Local crystal structure analysis of Ba-Y-Zr-O oxides by EXAFS method	Naoyuki Hatada	Kyoto University	Japan	Educational Organization	Industrial Applications	0.25	BL14B2	Р
;	2021B2008	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	2.75	BL14B2	Р
2	2021B2009	Analysis of catalyst structures for nanotube growth	Toshiaki Kato	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	0.5	BL19B2	Р
ţ	2021B2010	Analysis of Trace Crystal Structure in Tablets	Hikaru Nounaka	Sawai Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	Р
6	2021B2011	XRD measurements of battery materials	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р
-	2021B2014	Ruthenium chemical form analysis in environmental samples	Yusuke Unno	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Industrial Applications	1	BL14B2	Р
8	2021B2015	Lithium ion battery	Huishu Huang	Fudan University	China	Foreign	Industrial Applications	0.5	BL14B2	Р
ę	2021B2017	XAFS measurement of Li2O-Al2O3-SiO2 glass-ceramics	Takato Kajihara	AGC Inc.	Japan	Industry	Industrial Applications	0.75	BL14B2	Р
10	2021B2019	5th Evaluation of silicon crystals using hard X-ray photoemission spectroscopy (HAXPES)	Masataka Hourai	SUMCO CORPORATION	Japan	Industry	Industrial Applications	5.875	BL46XU	Р
1'	2021B2022	Crystal Structure Analysis of Solid Electrolytes	Naoki Matsui	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	0.25	BL19B2	Р
12	2021B2023	SAXS analysis of glass	Tatsuya Miyajima	AGC Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
13	2021B2024	X-ray characterization of thin films for 2.5 dimensional materials	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	0.25	BL46XU	Р
14	2021B2025	XRD analysis of layer structured compounds	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	0.25	BL19B2	Р
18	2021B2027	Crystal structure analysis of materials for lithium ion battery using XRD.	Shugo Yamada	Panasonic Corporation	Japan	Industry	Industrial Applications	1	BL19B2	Р
16	2021B2028	XAFS analysis of catalyst	Qiuyi Yuan	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
17	2021B2029	XAFS measurement of Ni and Zr compounds	Shogo Suehiro	Sumika Chemical Analysis Service, Ltd.	Japan	Industry	Industrial Applications	1.25	BL14B2	Р
18	2021B2030	XAFS analysis of layer-structure compounds	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	0.25	BL14B2	Р
19	2021B2032	XAFS analysis of powder crystal	Atsushi Nakamura	Koito Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL14B2	Р
20	2021B2033	XAFS of Lithium ion battery	Zhendong Zhang	Fudan University	China	Foreign	Industrial Applications	0.5	BL14B2	Р

2021B, Performed SPring-8 Measurement Services

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
21	2021B2035	XAFS measurement of battery materials (bulk)	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
22	2021B2036	XAFS Analysis of Yttria Oxide Ceramics	Keisuke Itoh	Industrial Technology Institute, Miyagi Prefectural Government	Japan	National and Nonprofit Organization	Industrial Applications	0.25	BL14B2	Р
23	2021B2037	Local structure analysis of positive materials for Lithium-ion battery	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
24	2021B2042	Structural analysis of positive electrode materials for advance lithium-ion batteries	Masanori Morishita	Yamagata University	Japan	Educational Organization	Industrial Applications	0.25	BL19B2	Р
25	2021B2043	Powder X-ray Diffraction of low-strain sample XI	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
26	2021B2044	Powder X-ray Diffraction of low-strain sample XII	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
27	2021B2045	Powder XRD measurement of battery materials	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р
28	2021B2046	Investigation of metal deposits.	Maria Kawano	Daido Bunseki Research, INC.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
29	2021B2047	SAXS measurement of LCP(BL19B2)	Tomohiro Taki	Polyplastics Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
30	2021B2049	X-ray Small Angle Scattering measurement of HASClay	Asuka Sasaki	Higashinihon Kiden Kaihatsu	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
31	2021B2053	XAFS measurement of Ni, Co, Mn and W compounds	Shogo Suehiro	Sumika Chemical Analysis Service, Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	Р
32	2021B2059	Chemical form analysis of ruthenium and related elements in soil	Yusuke Unno	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Industrial Applications	1	BL14B2	Р
33	2021B2061	Nb-K edge XAFS measurement	Qiuyi Yuan	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
34	2021B2066	USAXS measurement of polymer	Kei Kubobuchi	Denka Company Limited.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
35	2021B2068	Powder XRD measurement of battery materials 2022.1	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р
36	2021B2069	Small-angle x-ray scattering measurement of industrial materials	Hirokazu Sasaki	Furukawa Electric Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	Р
37	2021B2070	XAFS measurements of Zr and W compounds	Shogo Suehiro	Sumika Chemical Analysis Service, Ltd.	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
38	2021B2071	Ultra-small angle X-ray measurement for fuel-cell materials	Yuji Kurotani	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
39	2021B2072	Local structure analysis of positive materials for Lithium-ion battery	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	0.25	BL14B2	Р
40	2021B2074	U-SAXS measurement of organic film	Noriyuki Iwata	Ricoh Company, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
41	2021B2076	XRD analysis of cathode materials for Li ion batteries	Naomi Suzuki	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р

2021B, Performed SPring-8 Measurement Services

:	S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
	42 2	2021B2077	Nanostructure analysis of Gouda cheese with different process	Masato Ohnuma	Hokkaido University	Janan		Industrial Applications	0.25	BL19B2	Р
	43 2	2021B2080	Crystal structure analysis of materials for lithium ion battery using XRD.	Shugo Yamada	Panasonic Corporation	Japan	Industry	Industrial Applications	1	BL19B2	Р

2021B, Performed Feasibility Study Proposals for Industrial Application

										1Shift =8Hours
5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1 2	2021B2031	XAFS measurement of Zn-Al alloy	Masashi Nishimoto	Tohoku University	Janan		Industrial Applications	0.25	BL14B2	Р
2 2	2021B2040	Pole figure measurement of machine tool	Atsubiro Kunishiae	UBE Scientific Analysis Laboratory, Inc.	Japan	Industry	Industrial Applications	0.25	BL46XU	Р
3 2	2021B2054	Kinetics studies on beer foam structure using 4D-CT	Koloni Nakanara	Suntory Global Innovation Center Limited	Japan	Industry	Industrial Applications	0.25	BL46XU	Р

										1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1	2021B1001	Electronic states analysis of porous metal catalysts by hard X-ray photoelectron spectroscopy (2)	Satoshi Kameoka	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL09XU	Np
2	2021B1002	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	26.75	BL41XU	Np
3	2021B1003	Designing hyperordered structure of heteroatom-containing zeolites by X-ray anomalous scattering	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
4	2021B1004	High-resolution X-ray CT Measurement of Anode of All Solid-state Lithium-ion Battery Under High Pressure Condition for Numerical Simulation 3	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL47XU	Np
5	2021B1005	High-resolution X-ray CT Measurement of Cathode of All Solid-state Lithium- ion Battery Under High Pressure Condition for Numerical Simulation3	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	3	BL20XU	Np
6	2021B1006	Trace of Hierarchical Structure Change of Poly(vinylidene Fluoride) in the High-electric-field-induced Dielectric Breakdown Phenomenon	Kohji Tashiro	Toyota Technological Institute	Japan	Educational Organization	Materials Science and Engineering	18	BL40XU	Np
7	2021B1008	Application of synchrotron X-ray diffraction for materials infomatics	Nobuhiro Kumada	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
8	2021B1009	Mechanical optimization of an acquired leaf structures by light adaptation in plants	Eiji Gotoh	Kyushu University	Japan	Educational Organization	Life Science	3	BL20B2	Np
9	2021B1010	operando study of polymer electrolyte fuel cell catalysts by high-resolution X- ray absorption spectroscopy (2)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	23.875	BL39XU	Np
10	2021B1011	Diffusion Coefficient Analysis in Polymer Electrolyte Membrane of PEM Fuel Cells using operando Micro-beam X-ray Fluorescence Spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	24	BL37XU	Np
11	2021B1012	Visualizing Liquid Water in PEFC using Compton Scattering Imaging (2)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	17.5	BL28B2	Np
12	2021B1013	Evaluation of degradation behavior in Nafion films	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	3	BL40XU	Np
13	2021B1014	Evaluation of catalyst particles and molecular aggregation states in Nafion films	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	12	BL40B2	Np
14	2021B1015	Observation of liquid water in gas diffusion layer and catalyst layer of polymer electrolyte fuel cells using operando CT (2)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	27	BL20XU	Np
15	2021B1016	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray total scattering (2)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	18	BL04B2	Np
16	2021B1017	Analysis of Chemical State of Catalyst for H2 Generation from NH3 Decomposition in Layered Perovskite-based Hybrid and Investigation of its Optimum State by Materials Informatics	Takahiro Takei	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
17	2021B1018	Precise Crystal Structural Analysis of Hybrid Polyoxometalates as Advanced Functional Energy Materials by High-flux X-ray Diffraction Analysis	Tatsuhiro Kojima	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
18	2021B1019	Direct observation of Li metal dendrite growth inside all-solid-state lithium battery using operando X-ray imaging method (2)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	24	BL20XU	Np
19	2021B1020	Soft X-ray MCD microscopy study of the temperature dependence of magnetization reversal process for Ga doped Nd-Fe-B sintered magnet and correlation analysis between coercivity, grain size, and composition for each grain	Satoshi Hirosawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL25SU	Np
20	2021B1021	Numerical correlation analysis of process parameters, 3D structure, and mechanical strength of Ti-AM material–Quantification of 3D micro-defect configuration using Persistent homology	Yukiko Ozaki	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL20B2	Np

										1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
21	2021B1022	Electronic states and structures analysis of metal nanoparticle catalysts by XAFS	Suguru Fukazawa	Research Association of High- Throughput Design and Development for Advanced Functional Materials	Japan	Industry	Industrial Applications	3	BL39XU	Np
22	2021B1023	Quantitative Evaluation of Safety by Different Degradation Modes Using Visualization of Dynamic Structure Inside a Battery with High-Nickel Cathode	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL28B2	Np
23	2021B1024	Fundamental examination of uranium distribution in bone	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL37XU	Np
24	2021B1025	Alteration of concrete in contact with contaminated water by the non- destructive integrated CT-XRD method	Takafumi Sugiyama	Hokkaido University	Japan	Educational Organization	Industrial Applications	9	BL28B2	Np
25	2021B1026	Fundamental examination of chemical state analysis for cellular uranium	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL37XU	Np
26	2021B1027	Nb site positions in a doped topological superconductor candidate NbxBi2Se3	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL25SU	Np
27	2021B1028	In-situ measurement of structural change during compressive fracture of carbon fibers	Wataru Takarada	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
28	2021B1029	Electronic structure study on the candidate and related materials for a spacecraft radiator with thermal switching	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	2.875	BL09XU	Np
29	2021B1031	Structural analysis by X-ray absorption fine structure for clarification of hyper- ordered structure	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL01B1	Np
30	2021B1032	Local Structural Analysis of Novel Amorphous Nanomaterials Fabricated by Cryo-Milling using X-ray Total Scattering	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
31	2021B1033	Electronic structure change analysis of sulfide solid electrolyte under humidity condition by using soft X-ray absorption spectroscopy (1)	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL27SU	Np
32	2021B1034	Electronic structure change analysis of sulfide solid electrolyte under humidity condition by using soft X-ray absorption spectroscopy (2)	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL27SU	Np
33	2021B1035	Application of SRCT to visualization of solid-liquid-gas phase dynamics in electrolytic cells for the development of toluene electrolytic reduction technology	Sachiko Maki	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL20B2	Np
34	2021B1036	operando study of PEFC catalyst	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
35	2021B1037	Investigation of Pt-based alloy catalyst ink for polymer electrolyte fuel cells via total X-ray scattering(2)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
36	2021B1038	Operando XAS study on the oxygen reduction reaction activity of PEFC nanowire catalyst(2)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	8.375	BL37XU	Np
37	2021B1039	operando HERFD-XANES study of PEFC catalyst	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL39XU	Np
38	2021B1040	X-ray Emission Spectroscopy study of the catalyst for water electrolysis(2)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np
39	2021B1041	operando HERFD-XANES study of catalyst for water electrolysis	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL39XU	Np
40	2021B1042	operando study of water electrolysis catalyst (1)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	2.875	BL36XU	Np

										1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
41	2021B1043	Structural analysis of metal oxide supported platinum catalysts for polymer electrolyte fuel cells by operando X-ray absorption spectroscopy	Katsuyoshi Kakinuma	University of Yamanashi	Japan	Educational Organization	Industrial Applications	9	BL37XU	Np
42	2021B1044	In-situ analysis of the dilatancy phenomenon under high-speed vibration to solid and liquid composite.	Soichiro Okubo	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	12	BL40XU	Np
43	2021B1045	Effect of phase morphology on deformation behavior of heterogeneous materials composed of soft and hard phases	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
44	2021B1046	Structure analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	12	BL46XU	Np
45	2021B1047	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray diffraction	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL19B2	Np
46	2021B1048	Structure analysis of polymer electrolyte fuel cell catalyst by operando X-ray absorption spectroscopy.	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL14B2	Np
47	2021B1049	In-situ diffraction experiments during deformation for controlling different deformation modes in metallic materials V	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Industrial Applications	4	BL46XU	Np
48	2021B1050	Fine structure analyses of high performance metal-supported catalyst for hydrocarbon activation	Yasushi Sekine	Waseda University	Japan	Educational Organization	Industrial Applications	5.125	BL14B2	Np
49	2021B1051	HAXPES study of water electrolysis catalyst	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
50	2021B1052	Operando XAS study on the oxygen reduction reaction activity of PEFC nanowire catalyst(2)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL39XU	Np
51	2021B1847	Fine structure analysis of bi-metallic supported catalyst for environmental catalysis	Yasushi Sekine	Waseda University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
52	2021B1848	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	6	BL14B2	Np
53	2021B1849	Structure analysis of polymer electrolyte fuel cell catalyst by operando X-ray absorption spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL14B2	Np
54	2021B1850	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray diffraction	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL19B2	Np
55	2021B1851	Structure analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL46XU	Np
56	2021B1852	Investigation of the chemical structure on the surface of cesium lead halide perovskite nanocrystals passivated with a cationic gemini ligand	Norio Saito	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	1	BL46XU	Np
57	2021B1853	Deformation Mechanism of Nano-Heterostructured Metallic Materials Composed of Soft Domains and Hard Domains 1	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Industrial Applications	4	BL46XU	Np
58	2021B1854	Structure analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	3	BL46XU	Np
59	2021B1855	Structure analysis of metal oxide oxygen reduction reaction catalysts by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	3	BL46XU	Np
60	2021B1856	Exploration on the local structure and the mechanism of the degradation process of non-noble-metal catalysts for the water-splitting reaction	Ryuhei Nakamura	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	Np

										1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
61	2021B1857	In-situ USAXS analysis of the dilatancy phenomenon under high-speed shearing to solid and liquid composite.	Soichiro Okubo	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL19B2	Np
62	2021B1858	In-situ analysis on work hardening behavior of 3D additive manufactured Inconel 738 alloy with excellent strength and ductility and ultrafine eqiaxed grained martensite	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
63	2021B1859	In-situ XAFS analysis of oxide nanoparticles synthesized by the supercritical method	Maiko Nishibori	Tohoku University	Japan	Educational Organization	Industrial Applications	2.875	BL14B2	Np
64	2021B1911	In-situ diffraction experiments during deformation for controlling different deformation modes in metallic materials VI	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
65	2021B1913	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray absorption spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL14B2	Np
66	2021B1914	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray diffraction	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL19B2	Np
67	2021B1915	Structure analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL46XU	Np
68	2021B1917	Observation of material matrix and void structure of the cement substitution material using integrated X-ray high-resolution CT and XRD method	Takashi Hitomi	OBAYASHI CORPORATION	Japan	Industry	Industrial Applications	6	BL46XU	Np
69	2021B1918	Elucidation of the electron state and local fine structure of metal active site on supported various ultra-small metal cluster catalyst combined with organic and/or inorganic ligands. We want to elucidate the ligand and ensemble effect, and metal-support interaction before/after the reaction.	Kazuya Yamaguchi	The University of Tokyo	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
70	2021B1920	Exploration on the local structure and the mechanism of the degradation process of non-noble-metal catalysts for the water-splitting reaction-2	Ryuhei Nakamura	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	Np
71	2021B1921	In-situ analysis on change in dislocation density during tensile deformation of heat trated 3D additive manufactured Hastelly X and Inconel 718 Ni alloy	Shiro Torizuka	University of Hyogo	lanan	Educational Organization	Industrial Applications	2	BL19B2	Np

2021B, Performed Long-term Proposals

										IShift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
	2021B0168	Structure Elucidation and Functionalization of Self-Assembled Gigantic Hollow Complexes by Single-Crystal Synchrotron X-ray Study	Makoto Fujita	The University of Tokyo	Janan	Educational Organization	Chemical Science	9	BL26B1	Np
2	2021B0171	Crystal structure analysis of membrane transporters	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	12	BL41XU	Np
:	2021B0172	Initiation and growth mechanisms of small internal cracks of high strength materials in the very high cycle fatigue	Takashi Nakamura	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	15	BL20XU	Np
4	2021B0174	Development of micro-XRF-XAFS study for geo- and cosmo-chemical samples: extention to higher energy region and introduction of transition-edge sendor detector	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL01B1	Np
ł	2021B0176	Development of multi-beam 4D X-ray tomography with a ms-order temporal resolution and its applications	Wataru Yashiro	Tohoku University	Janan	Educational Organization	Life Science	41.875	BL28B2	Np
(Development of micro-XRF-XAFS study for geo- and cosmo-chemical samples: extention to higher energy region and introduction of transition-edge sendor detector	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL37XU	Np
-	2021B0181	Study of iron alloys under ultrahigh pressures and the core light element composition	Kei Hirose	Tokyo Institute of Technology	Janan	Educational Organization	Earth and Planetary Science	41.875	BL10XU	Np
8	2021B0185	Initial and detailed analysis of Hayabusa2 return samples using X-ray tomography	Megumi Matsumoto	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	14.875	BL20XU	Np
ę	2021B0188	Initial and detailed analysis of Hayabusa2 return samples using X-ray tomography	Megumi Matsumoto	Tohoku University	Janan	Educational Organization	Earth and Planetary Science	21	BL47XU	Np