2025B, Performed General Proposals

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or HPCI including the supercomputer Fugaku

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
1	2025B1113	Structures of superconducting iron polyhydrides at high pressures.	Viktor Struzhkin	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	8.875	BL10XU	Np
2	2025B1114	Elucidation of Decomposition Mechanisms in Multi-Component Crystals Based on Small-Wedge Synchrotron Crystallography (SWSX) and Exploration of the Potential for Creating Novel Crystal Structures	Toshiyuki Sasaki	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.5	BL41XU	Np
3	2025B1115 *	Structural analysis of ternary WO_3-containing glasses via diffraction experiments and computational simulations	Yuta Shuseki	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
4	2025B1116	Precise analysis of internal aggregation and crystalline structures of perfluorosulfonic acid ionomer nanofibers: effect of counterion species	Hidetoshi Matsumoto	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
5	2025B1117	Achieving Zero thermal expansion via mix-ligand strategy in metal-organic frameworks	Zhanning Liu	Shandong University of Science and Technology	China	Foreign	Materials Science and Engineering	6	BL44B2	Np
6	2025B1119	Space-resolved XMCD/LEEM/LEED/ARPES analysis of graphene-based electronics devices	Takuo Ohkouchi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	15	BL25SU	Np
7	2025B1120	Exploring antiferromagnetic domain in the two-dimensional vdW magnet CrSBr by XPEEM	Qian Li	University of Science and Technology of China	China	Foreign	Materials Science and Engineering	15	BL17SU	Np
8	2025B1121	Precise Structural Analysis of Optically Active Polymeric Vesicles by SWAXS	Tomoki Nishimura	Shinshu University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
9	2025B1122	The dynamical structure factor of chiral phonons	Fazhi Yang	City University of Hong Kong	China	Foreign	Materials Science and Engineering	15	BL35XU	Np
10	2025B1123	Establishment of High-Precision Defect Detection Technology using AI Image Processing with Metal Additive Manufacturing Test Specimens	Yuichi Takahashi	Gunma Industrial Technology Center	Japan	National and Nonprofit Organization	Industrial Applications	3	BL28B2	Np
11	2025B1124	The morphological study of perfluorinated ionomer under operando GISAXS/GIWAXS measurement under pressure	Xiao Gao	Nanjing University of Science and Technology	China	Foreign	Materials Science and Engineering	6	BL40B2	Np
12	2025B1125	Visualization of deformation behavior of soil stabilized by microbially-induced calcite precipitation: focusing on shearing and open-ended pile penetration	Ryunosuke Kido	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	16.625	BL28B2	Np
13	2025B1126	Single crystal X-ray diffraction analysis of the extended hydrogen-bonded organic frameworks (HOFs) of dihydrodimethylbenzopyrene derivatives	Ichiro Hisaki	The University of Osaka	Japan	Educational Organization	Chemical Science	6	BL41XU	Np
14	2025B1127	Development of large-area topological 4D X-ray CT	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Beamline Engineering	18	BL28B2	Np
15	2025B1128	Structural analysis of various fibers with various humidity	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
16	2025B1130	Elucidation of interactions during stretching of self-healing polymers	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	9	BL43IR	Np
17	2025B1131	3D observation of rock and organic mixture samples	Akira Seo	Kyoto University	Japan	Educational Organization	Other	15	BL28B2	Np
18	2025B1132	Elucidating CO2-to-CO reduction on model oxygen-bridged single-Fe-atom catalyst via in situ nuclear resonance vibrational spectroscopy	Xuning Li	Chinese Academy of Sciences	China	Foreign	Chemical Science	17.125	BL19LXU	Np
19	2025B1133	Structural study of SnS dielectric thin films by μ-beam X-ray diffraction	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	3	BL41XU	Np
20	2025B1135 *	X-ray scattering study of structure of nanoconfined alkali metal chloride aqueous solutions	Zhuanfang Jing	Chinese Academy of Sciences	China	Foreign	Chemical Science	6	BL04B2	Np
21	2025B1136	Micelle Structure and Temperature-Induced Assembly of End-Modified Thermoresponsive Polymers	Ken Terao	The University of Osaka	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
22	2025B1137	Molecular Conformation and Intermolecular Interactions of Thermoresponsive Polysaccharide Derivatives near Their Phase Transition Temperatures	Ken Terao	The University of Osaka	Japan	Educational Organization	Chemical Science	2.125	BL40B2	Np
23	2025B1138	Development of crystalline sponge method for ultra-small amout of smples by small-wedge data collection method using high-flux synchrotron X-rays	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	5	BL45XU	Np
24	2025B1141	In Situ Scattering Investigation of Polyamorphic Transitions and Crystallization in High-Entropy Metallic Glasses	Haoran Jiang	Shanghai University	China	Foreign	Materials Science and Engineering	12	BL08W	Np

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25	2025B1142	Nondestructive observation of steel in the soil using synchrotron radiation X-ray imaging (2)	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	12	BL28B2	Np
26	2025B1146	An Effect of Fluorination on Aggregation Structures of Ethylene-tetrafluoroethylene Copolymer Films	Daisuke Kawaguchi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
27	2025B1147	Self-Assembled States of Deoxyribonucleic Acid Having Fluoroalkyl Groups	Daisuke Kawaguchi	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
28	2025B1148	Investigating Nanoscale Architecture of DNA Engineered Bimetallic Crystals using SAXS	Chandan Kumar	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
29	2025B1150 *	Structure of intermediate oxide glasses with hyper local ordering	Hideki Hashimoto	Kogakuin University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
30	2025B1151	In-situ observation of phase transition of amorphous zirconia and niobia under high temperature and high pressure	Hideki Hashimoto	Kogakuin University	Japan	Educational Organization	Materials Science and Engineering	9	BL04B1	Np
31	2025B1152	In-situ observation of structural variation of amorphous alumina under high temperature and high pressure	Hideki Hashimoto	Kogakuin University	Japan	Educational Organization	Materials Science and Engineering	6	BL15XU-P	Np
32	2025B1153	Structural changes in polymer crystals with fully extended chains prepared by topochemical polymerization	Yasuhito Suzuki	Osaka Metropolitan University	Japan	Educational Organization	Chemical Science	6	BL08W	Np
33	2025B1154	Changes in the network structure of high-concentration hydrogels of polysaccharides during stretching	Junichi Horinaka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL40XU	Np
34	2025B1156	Elucidation of environmental changes during the end-Permian mass extinction based on micro-scale speciation analysis	Ryoichi Nakada	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	5.5	BL27SU	Np
35	2025B1157	Time-resolved SAXS-WAXS measurement reveals dynamics of fillers in polymer nanocomposites	Tatsuya Arai	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	18	BL40XU	Np
36	2025B1158	Study of structural differences between aged and young skin and the effects of cosmetic application	Mika Suzuki	KOSÉ Corporation	Japan	Industry	Life Science	6	BL40B2	Np
37	2025B1159	Development of analysis method for the packing structure of intercellular lipid in human skin stratum corneum using infrared spectroscopy.	Mika Suzuki	KOSÉ Corporation	Japan	Industry	Life Science	6	BL43IR	Np
38	2025B1160	Electrical conductivity measurement of Martian mantle materials	Takashi Yoshino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	8.625	BL04B1	Np
39	2025B1161	The viscosity of liquid Fe to the Martian core's conditions	Longjian Xie	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Earth and Planetary Science	9	BL04B1	Np
40	2025B1162	Measurement of local dynamic stress by means of ultra-high speed camera in metallic materials: application of linear image sensor	Masakazu Kobayashi	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np
41	2025B1163	Simultaneous Wide- and Small-Angle X-ray Scattering Measurements of Hierarchical Heterogeneity near the Glass Transition Induced by Chemical Reactions	Yasuhito Suzuki	Osaka Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
42	2025B1164	Simultaneous measurements of dynamic viscoelasticity and X-ray diffraction of magma to reveal magma rheology at the molecular scale	Satoshi Okumura	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	11.125	BL47XU	Np
43	2025B1165	Synthesizing ABC-triblock terpolymers through one-pot/simultaneous polymerization: Mechanisms and self-assembly structures analyzed by SAXS	Rintaro Takahashi	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	5.375	BL40B2	Np
44	2025B1166	Elucidation of structure and property of assemblies encapsulating metal nanoclusters	Yuya Domoto	Gunma University	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
45	2025B1167	Identification of uranium and arsenic enrichment and reduction mechanism of iron (II) minerals in environments by analysis of micro-XRF-XAFS	Kouhei Tokunaga	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	9	BL37XU	Np
46	2025B1168	The Evolutional Process of Insect Parasitism	Megumi Shimada	National Institutes for Cultural Heritage	Japan	National and Nonprofit Organization	Life Science	3	BL47XU	Np
47	2025B1169	Effect of defect shape and spatial distribution on fatigue fracture of aluminium alloy fabricated by additive manufacturing	Masakazu Kobayashi	Toyohashi University of Technology	Japan	Educational Organization	Industrial Applications	6	BL28B2	Np
48	2025B1170	Clarification of the mechanism of skin physical property	Tomonobu Ezure	Shiseido Company, Ltd.	Japan	Industry	Life Science	2	BL28B2	Np

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49	2025B1171	Structure of the molten layer at the base of the Martian mantle inferred from elastic wave velocities of FeS melt + silicate mineral mixtures	Tatsuya Sakamaki	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	15	BL04B1	Np
50	2025B1172	Exploration of high-pressure structural phase transitions in RuSb	Naoyuki Katayama	Okayama University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
51	2025B1173	Development of three-dimension distribution of strain in soft materials during friction	Toshiaki Nishi	Tohoku University	Japan	Educational Organization	Industrial Applications	17.5	BL28B2	Np
52	2025B1176	Exploring the origin of the Earth's pre-biotic materials based on the sub-second heating experiments under high-pressure simulating the impact of the celestial bodies	Ryosuke Sinmyo	Meiji University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
53	2025B1177	Local chemical heterogeneity in high-entropy magnet TFe2 enabling distinctive thermal expansions	Kun Lin	University of Science and Technology Beijing	China	Foreign	Chemical Science	8.625	BL44B2	Np
54	2025B1178	Study on calamitic and discotic liquid crystal phase transitions by way of molecular shape transformation between rod-like and disk-like anisotropy	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
55	2025B1179	Analysis of coordination environment of metal-containing mesoporous silica using soft X-ray XAFS	Norio Saito	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	3	BL27SU	Np
56	2025B1180	Evaluation of surface and interface structural changes due to environmental degradation of polymer solids by synchrotron radiation microscopic infrared spectroscopy	Atsushi Takahara	Kyushu University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
57	2025B1181	Investigation of phonon contribution inside the giant magnetocaloric effect in Gd5(GeSn)4	Noriki Terada	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL35XU	Np
58	2025B1182	Evaluation and development of optimal vascular embolization materials for the control of chronic arthritis pain by microangiographic embolization using monochromatic X-rays	Akira Yamamoto	Kawasaki Medical School	Japan	Educational Organization	Medical Applications	5.625	BL20B2	Np
59	2025B1184	Influence of applied pressure on the microstructure of amorphous aluminosilicates used in zeolite synthesis	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	15	BL04B2	Np
60	2025B1186	Structural Analysis of Block Copolymer Micelles by Means of Small-Angle Scattering —Toward Synthesis of Novel Rare-Earth Luminescent Markers—	Katsura Nishiyama	Meijo University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
61	2025B1188	Exploration of pressure-induced structural phase transition in ferromagnetic Heusler alloy Ni2MnIn(2)	Tetsujiro Eto	Kurume Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	Np
62	2025B1189	XAFS analyses of structural changes of sulfur derivatives with high battery performances	Hirofumi Yoshikawa	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	8.625	BL27SU	Np
63	2025B1190	Structural analysis of photochromic organic crystals undergoing a phase transition upon light irradiation.	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL41XU	Np
64	2025B1191	Photoelectron holography of lithium-doped magnesium stannate crystals with p-type character.	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
65	2025B1192	Charge Redistribution at Phase Transitions of BiCu3Cr4O12 and LaCu3Cr4O12	Kevin Iputera	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL27SU	Np
66	2025B1193	Measurements of conformational changes of proteins in a single molecule with white X-ray	Hirofumi Shimizu	University of Fukui	Japan	Educational Organization	Life Science	24	BL28B2	Np
67	2025B1194	Direct spectroscopic analysis of nanoscale pattern defects for the development of defect-free resist materials	Hiroki Yamamura	JSR Corporation	Japan	Industry	Industrial Applications	12	BL25SU	Np
68	2025B1195	Generation and evaluation of 500 GPa by static compression	Takeshi Sakai	Ehime University	Japan	Educational Organization	Earth and Planetary Science	9	BL10XU	Np
69	2025B1196	In situ imaging of crystallizing magma with rheology measurements	Atsuko Namiki	Nagoya University	Japan	Educational Organization	Earth and Planetary Science	18	BL20B2	Np
70	2025B1197	Systematic investigation of internal fracture initiation in rubber using high-speed X-ray 4D computed tomography.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	8.5	BL28B2	Np
71	2025B1198	Study on local dynamics of rubber using gamma-ray quasi-elastic scattering method: Systematic investigation of material factors for controlling local polymer dynamics.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	19.625	BL35XU	Np

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72	2025B1199	Fabrication of High-Performance Cellulose Film Using a 3D Printer Integrated with a Flow-Focusing Device	Kazuho Daicho	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
73	2025B1200	174Yb Synchrotron-radiation-based Mössbauer Study of Yb Valence Fluctuations and 4f Ground State in Au-Al-Yb Quasicrystals under Multi-extreme Conditions	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	20	BL35XU	Np
74	2025B1201 *	Phase Behavior of Microphase Separation Two-Phase System Induced by Dipole Orientation Asymmetry	Yuji Higaki	Oita University	Japan	Educational Organization	Chemical Science	2.875	BL40B2	Np
75	2025B1202	Magneto-structural phase transitions in the altermagnet candidate and inverse magnetocaloric Mn5Si3 at high pressures	Andrzej Grzechnik	Forschungszentrum Jülich	Germany	Foreign	Materials Science and Engineering	6	BL10XU	Np
76	2025B1203	Evaluation of molecular aggregation state in chiral silica using GIWAXD measurements	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
77	2025B1204	Phase transitions in mixed-valence vanadates A2V3O8 (A: K, Rb, Cs) at high pressures and temperatures	Andrzej Grzechnik	Forschungszentrum Jülich	Germany	Foreign	Materials Science and Engineering	9	BL04B1	Np
78	2025B1205	Quantitative 3D Microstructural Analysis of Hard Nanoparticle-Dispersed Aluminum Alloys Solidified in a Gas Levitation Furnace Using Synchrotron X-ray CT	Keitaro Horikawa	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	3	BL20B2	Np
79	2025B1206	In situ deformation experiments on olivine aggregates under the pressure-temperature conditions of subducting slabs	Tomohiro Ohuchi	Ehime University	Japan	Educational Organization	Earth and Planetary Science	9	BL15XU-P	Np
80	2025B1207	Construction of the Pressure–Temperature Phase Diagram of Charge Order in the van der Waals Layered Material $LaTe_3$	Yukako Fujishiro	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL10XU	Np
81	2025B1210	Micro-SX-ARPES study of three-dimensional bulk electronic states in chiral magnets	Kosuke Nakayama	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	17.875	BL25SU	Np
82	2025B1212	Water in the lowermost mantle: solubility, distribution, and post-perovskite phase transition	Kei Hirose	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	15	BL10XU	Np
83	2025B1213 *	Fracture Control of Aluminum Alloys by Quasicrystal Precipitation: 3D/4D In-situ Observation Using Multiscale Synchrotron Radiation CT	Kazuyuki Shimizu	Tottori University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
84	2025B1214	Micro-structural alteration in the temporal cerebral tissue of schizophrenia cases	Ryuta Mizutani	Tokai University	Japan	Educational Organization	Life Science	12	BL20XU	Np
85	2025B1216	An XPDF study of CO_2 conversion Ni@zeolite catalysts	Pu Zhao	Soochow University	China	Foreign	Chemical Science	3	BL04B2	Np
86	2025B1217	Operando high energy X-ray fluorescence spectroscopy on dynamic behavior of cerium radical quencher in polymer electrolyte fuel cells	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	16	BL37XU	Np
87	2025B1219	Fatigue Property Evaluation of Aluminum with Surface Layer Reinforced with Hydrogen Storage Nanoparticles.	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	8.5	BL20XU	Np
88	2025B1220	Analysis of nitrogen functional groups in complex organic matter in asteroid return samples	Yoko Kebukawa	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL27SU	Np
89	2025B1222	Studies on the mechanism of precipitation and growth of biological CaCO3 based on behavior of amorphous CaCO3	Mayuri Inoue	Okayama University	Japan	Educational Organization	Earth and Planetary Science	15	BL17SU	Np
90	2025B1223	Comprehensive understanding of crystal chemistry of novel group 14 nitrogen compounds based on ultra-high pressure in situ measurements	Ken Niwa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	Np
91	2025B1224 *	Elucidation of Li-Ion Diffusion Mechanism and Its Microscopic Origin in LiI-Doped Li_3PS_4 Glass	Koji Ohara	Shimane University	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
92	2025B1225	Far-infrared phonon assisted proton transfer in $Cs_3H(SeO_4)_2$	Hiroshi Matsui	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL43IR	Np
93	2025B1226	Dimensional properties of poly(hydroxymethylene butylcarbamate) in solution	Akiyuki Ryoki	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
94	2025B1227	Time-resolved rheo-SAXS for elucidation of molecular mechanism on damping in viscoelastic polymeric liquid materials	Takuya Katashima	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
95	2025B1228	Analyses of microphase-separated structure and strain-induced crystallization behaviors of thermoplastic elastomer under various deformation	Kakeru Obayashi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np

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96	2025B1229	Modification of the intermediate-range order in heavy ion irradiated silica glass	Shinji Kohara	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL47XU	Np
97	2025B1230	4D imaging technique for analyzing FCC/HCP/BCC deformation-induced martensitic transformation in Fe-based alloy	Osamu Takakuwa	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
98	2025B1231	Analysis of the effect of molecular assembly state of water on adsorption behavior of human hair	Hiromitsu Nakazawa	TEIKYO University of Science	Japan	Educational Organization	Life Science	6	BL43IR	Np
99	2025B1232	Development of a method for predicting the material strength characteristics of CFRP laminates by combining synchrotron X-ray CT and micro-scale FEM analysis.	Hideki Tsuruta	IHI Corporation	Japan	Industry	Industrial Applications	3	BL20XU	Np
100	2025B1233	Elucidation of the crystallization pathway under ultra-low temperature using difference PDF analysis method	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL08W	Np
101	2025B1234	Observation of Magnetic Domain Structures by Magnetic Compton Scattering Imaging Measurement Using Coded Aperture Mask	Akihisa Koizumi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	12	BL08W	Np
102	2025B1235	In situ investigation of paracrystallization of grossular glass by using elastic wave velocity measurement at high pressure and high temperature conditions	Yoshio Kono	Kwansei Gakuin University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
103	2025B1236	Direct Observation of Bond Exchange Reaction Intermediates in Dynamic Covalent Resins via X-ray Raman Scattering	Katsuhiro Yamamoto	Shinshu University	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
104	2025B1237	Investigation of superionic phase transition in hydrogen-bearing materials under Earth's mantle conditions by time-resolved XRD measurements at high P-T and constant electric field in a laser-heated DAC	Kenji Ohta	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	12	BL10XU	Np
105	2025B1239	Effect of valence state of iron on the viscosity and structure of peridotite magmas	Yoshio Kono	Kwansei Gakuin University	Japan	Educational Organization	Earth and Planetary Science	3	BL27SU	Np
106	2025B1241	Observation of distributed metallic Li and ionic Li intercalated into an anode of a Li-ion battery	Daigo Setoyama	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	12	BL08W	Np
107	2025B1242	Examination of the influence of titin deformation on muscle tension based on the sarcomere length and lattice spacing measurements using small angle and ultra-small angle X-ray diffractions	Atsuki Fukutani	Niigata University of Health and Welfare	Japan	Educational Organization	Life Science	8.875	BL20XU	Np
108	2025B1244	Antibody adsorption behavior at an air-liquid interface revealed by time-resolved X-ray reflectometory	Yohko Yano	Kindai University	Japan	Educational Organization	Life Science	9	BL37XU	Np
109	2025B1245	Investigating electronic structures and spin splitting in altermagnet candidates	Kyoko Ishizaka	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	17.75	BL25SU	Np
110	2025B1246	Anomalous SAXS for probing biomineralization	Barnali Chaudhuri	CSIR Institute of Microbial Technology	India	Foreign	Life Science	3	BL40B2	Np
111	2025B1247	Metal ion binding-driven supramolecular organization of proteins revealed by high-flux, high-resolution solution X-ray scattering measurements	Satoshi Nagao	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	12	BL40XU	Np
112	2025B1248	Property Control in Coordination Polymer Glasses through Secondary Network Former Addition	Nattapol Ma	National Institute for Materials Science	Japan	National and Nonprofit Organization	Chemical Science	6	BL04B2	Np
113	2025B1250	Unraveling Magnetic Phase-Change Mechanisms in Iron-Based Chalcogenide Magnetic Materials Using Element-Specific XMCD	Takahiro Yamazaki	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
114	2025B1251	Dynamic fluctuations in anisotropic colloids studied by time-resolved coherent x-ray scattering measurements	Taiki Hoshino	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL40XU	Np
115	2025B1252	Structural Analysis for Evaluation of Strain-Hardening Properties in Biocompatible Polymer Composite Elastomers	Taiki Hoshino	Tohoku University	Japan	Educational Organization	Chemical Science	3	BL40XU	Np
116	2025B1254	Speciation of elements in C-type asteroids (Ryuguu and Bennu) by micro-XRF-XAFS analysis of their formation processes and water supply.	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	12	BL37XU	Np
117	2025B1255	Structural analysis of chiral twisted macrocycle capable of encapsulating various metal ions	Toshiya Fukunaga	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
118	2025B1256	Study on formation of micelle-like aggregates of poly(acrylic acid)/guanidyl compound mixtures in aqueous solution and their pH and temperature-responsiveness	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	6	BL40B2	Np

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1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
119	2025B1258	Can outer-rise faults be reactivated in deeper parts of subducted slabs?	Sando Sawa	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	3	BL15XU-P	Np
120	2025B1259	Study on the higher energy region structures of 3d transition metal L2,3 edge X-ray absorption spectra	Saki Imada	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	21	BL27SU	Np
121	2025B1261	Dynamic observation of solidification and phase transformation processes in Ni-based super alloy using 4D-CT and high-sensitive XRD measurement	Taka Narumi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	5.375	BL47XU	Np
122	2025B1262	Measurement of P-V-T relation of alumina and determination of thermoelastic properties－II	Daisuke Yamazaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
123	2025B1263	High energy SR-XRF imaging of internal radionuclides in the rat intestine during suckling period	Haruko Yakumaru	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL37XU	Np
124	2025B1264	Ultralow-Loss Optical Phase-Change Materials with Accelerated Response and Tunable Bandgap for Quantum Networking	Evgeny Bychkov	University of the Littoral Opal Coast	France	Foreign	Materials Science and Engineering	8.875	BL04B2	Np
125	2025B1265	Magnetic Compton Profiles of Tb3Fe5O12 (TbIG) in support of searches for exotic spin-dependent fundamental forces in nature	David Baxter	Indiana University Bloomington	USA	Foreign	Elementary Particles, Nuclear Science	15	BL08W	Np
126	2025B1266	Investigation of the Strain-induced Evolution of Antiferroelectric-antiferromagnetic Domain Structure in Multiferroic La-doped BiFeO3	Di Yi	Tsinghua University	China	Foreign	Materials Science and Engineering	9	BL17SU	Np
127	2025B1269	Analysis of Membrane Structures in C. elegans under Low-Temperature and Dry Conditions: Ice-Binding Protein Activity and Lipid Packing	Masahiro Kuramochi	Ibaraki University	Japan	Educational Organization	Life Science	6	BL43IR	Np
128	2025B1270 *	Dynamics of intracellular ultrastructure under cryopreservation	Masaru Nakada	Toray Research Center, Inc.	Japan	Industry	Life Science	6	BL40XU	Np
129	2025B1271	Phase transition, glass transition and structure formation of imidazolium-based ionic liquid crystals	Koji Fukao	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
130	2025B1272	Tuning the exchange energy in GdLuN	William Holmes-Hewett	Victoria University of Wellington	New Zealand	Foreign	Materials Science and Engineering	15	BL39XU	Np
131	2025B1274	Detailed study of metallization and superconductivity of oxygen III	Katsuya Shimizu	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	13.125	BL10XU	Np
132	2025B1276	Electrical Conductivity of CaSiO3 Perovskite (Davemaoite) and Its Implications for High-Conductivity Anomalies in Subducted Oceanic Crust	Yoshiyuki Okuda	University of Hawaii	USA	Foreign	Earth and Planetary Science	6	BL10XU	Np
133	2025B1277	Evaluation of geotechnical properties of lunar regolith by in-situ miniature triaxial compression testing of Apollo samples using time-resolved and multi-scale CT: for visualization of macro- and microscopic shear behavior and its modelling for discontinuum analysis	Satoshi Matsumura	National Institute of Maritime, Port and Aviation Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL20B2	Np
134	2025B1278	Synthesis of hydride superconductors using hydrogen-rich Ca-borohydrides	Katsuya Shimizu	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	8.5	BL10XU	Np
135	2025B1279	Experimental constrain on the effect of Fe and Fe-bearing melts on the elastic velocities of Bridgmanite aggregates	Steeve Greaux	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
136	2025B1280	Analysis of temperature-dependent structural changes in mammalian cardiac regulatory proteins	Shuya Ishii	RIKEN	Japan	National and Nonprofit Organization	Life Science	9	BL40XU	Np
137	2025B1283	Li-substitution effects for bismuth perovskite-type ferroelectrics	Yasuhiro Yoneda	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL04B2	Np
138	2025B1285	Elucidation of Charge-Discharge Reactions at the Cathode of Lithium-Oxygen Batteries by Operando Nano-CT-XRD Measurements	Toshihiro Kondo	Ochanomizu University	Japan	Educational Organization	Chemical Science	8.875	BL20XU	Np
139	2025B1286	Atomic configurations of rocksalt-type cathode materials with cation deficiency and its application to cathode materials for rechargeable magnesium batteries	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
140	2025B1287	Metal-insulator transition in spinel sulfide Cu1-xZnxIr2S4 studied by Cu Ka X-ray emission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
141	2025B1288	Bulk-originated band dispersion of conduction electrons of 4f chiral metallic magnet GdNi3Ga9 observed by soft x-ray angle-resolved photoemission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np

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142	2025B1290	Analysis of thermally conductive mechanism of cellulose films with various crystal polymorphs	Kojiro Uetani	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
143	2025B1293	Structural analysis of PEG/cation-fused micelles via the co-self-assembly of PEG and cationic random copolymers	Takaya Terashima	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
144	2025B1294	Functional elucidation of MYBPH during mouse skeletal muscle contraction by small-angle X-ray scattering diffraction	Hiroshi Sakai	Ehime University	Japan	Educational Organization	Life Science	6	BL40XU	Np
145	2025B1295	Synchrotron Radiation X-ray Micro-CT (SRXμCT) in Developmental Biology: Revealing Vertebrate Embryonic Structures Behind Evolutionary Innovation	Hiroki Higashiyama	The Graduate University for Advanced Studies, SOKENDAI	Japan	Educational Organization	Life Science	6	BL20B2	Np
146	2025B1296	Alignment of mannan microcrystals under a magnetic field	Masahisa Wada	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
147	2025B1297	Three-dimensional morphological analysis of extinct insects from the Late Carboniferous using synchrotron X-ray μCT technique	Nozomu Oyama	Fukui Prefectural University	Japan	Educational Organization	Life Science	9	BL28B2	Np
148	2025B1299	High-throughput structural analysis of semiconductor coordination polymer glasses and liquids synthesized with various mixing ratios	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
149	2025B1300	Elucidation of Local Structural Changes Induced by Excess Hydrogen Dissolution in InO(OH)	Tomoyuki Yamasaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL08W	Np
150	2025B1301	Development of suppression technology for fat bloom in cocoa butter substitute	Haruhiko Koizumi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	11.125	BL40XU	Np
151	2025B1302	Study on the electronic structure of Co in Zn1-xCoxO powder using Co-, Zn-L, O-K edge XAS and RIXS measurements	Noriyuki Hasuike	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	17.875	BL27SU	Np
152	2025B1304	Elucidation of dynamic covalent polymer dynamics by gamma-ray quasi-elastic scattering system using 2-dimensional X-ray detector CITIUS	Yasuyuki Nakamura	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL35XU	Np
153	2025B1305	Far-infrared study of thermoelectric material candidate Mg2Si at high pressure	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	Np
154	2025B1306	Local structural analysis of flat band metal NbSeI	Keita Kojima	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np
155	2025B1307	Investigation of solvation structure of lysozyme in deep eutectic solvent	Koji Yoshida	Fukuoka University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
156	2025B1308	Development of double-digit X-ray multiscale imaging technique covering sub-micron pixel size to 100mm field of view, especially on the improvement of image quality by developing and optimizing X-ray beam diffuser	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	12	BL20B2	Np
157	2025B1310	Infrared microscopic analysis of secondary structure changes in hair proteins induced by repeated washing	Hiromu Komatsu	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	18	BL43IR	Np
158	2025B1312	Three-Dimensional Local Structural Analysis Method for Aluminosilicates Using Resonant X-ray Emission Spectroscopy	Maiko Nishibori	Tohoku University	Japan	Educational Organization	Chemical Science	11.5	BL27SU	Np
159	2025B1313	Defining the role of the chest wall in the respiratory adaptation at birth using phase contrast X-ray imaging	Stuart Hooper	Hudson Institute / Monash University	Australia	Foreign	Medical Applications	18	BL20B2	Np
160	2025B1314	Three-dimensional Electronic Structure Investigation of Yb-Based Magnetic Refrigerants via Soft X-ray ARPES	Takanori Taniguchi	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	8.75	BL25SU	Np
161	2025B1315	Soft X-ray XMCD induced by non-coplanar antiferromagnetic order	Shinichiro Seki	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
162	2025B1316	Analysis of oxidized surface on Zn based coating alloy (4) ~Correlative Analysis of Microstructures and Corrosion Products for Enhanced Corrosion Resistance in Zn-Based Alloy-Coated Steel~	Takashi Doi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	18	BL17SU	Np
163	2025B1317	Investigation of the Local Structure of $Al_{1-x}Sc_xN$ with high Sc concentration	Takao Shimizu	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL47XU	Np
164	2025B1318	Investigation of a magnetic octupolar ordering in Ca5Ir3O12 by Ir L-edge magnetic circular dichroism	Satoshi Tsutsui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	14.75	BL39XU	Np
165	2025B1320	Elucidating Ion Transport Mechanisms in Fast Na-ion Conducting Glasses via Gamma-ray Quasi-elastic Scattering using the 2D X-ray Detector CITIUS	Saneyuki Ohno	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL35XU	Np

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166	2025B1321	In-situ high-pressure and high-temperature X-ray diffraction experiment on serpentine minerals mixed with alkaline saline water under cold subduction conditions	Yongjae Lee	Yonsei University	Korea	Foreign	Earth and Planetary Science	9	BL10XU	Np
167	2025B1322	Structural analyses of complex of basic amino acid and oleic acid constituting temperature- and pH-responsive injectable gels	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
168	2025B1323	3D magnetic domain observation within a Cu/magnetic multilayer film by X-ray magnetic laminography technique	Motohiro Suzuki	Kwansei Gakuin University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL39XU	Np
169	2025B1324	Observation of high-pressure phase transformations and determination of the bc8/st12 metastable boundary in high-germanium SiGe crystals using a diamond anvil cell	Yoshifumi Ikoma	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
170	2025B1325	Investigation of Flow Mechanisms in Alumino-Borosilicate Glasses and the Role of B_2O_3 Content	Akihiro Yamada	University of Shiga Prefecture	Japan	Educational Organization	Materials Science and Engineering	9	BL15XU-P	Np
171	2025B1326	Development of X-ray magnetic laminography measurement to observe 3D magnetic domain structure of Nd-Fe-B sintered magnet	Motohiro Suzuki	Kwansei Gakuin University	Japan	Educational Organization	Materials Science and Engineering	18	BL39XU	Np
172	2025B1328	Observation of the modification of the intermediate-range order in amorphous silica irradiated with swift heavy ions	Yohei Onodera	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL47XU	Np
173	2025B1329	Investigation of the Superiority of Glycerol in Stratum Corneum Moisturization: Comparative Analysis of the Effects of Glycerol and Natural Moisturizing Factors	Kenji Murashima	SAKAMOTO YAKUHIN KOGYO CO., LTD	Japan	Industry	Industrial Applications	5.125	BL40B2	Np
174	2025B1330	Time-resolved X-ray radiography of melting and solidification dynamics in the manufacturing process of the SiGe/Si substrates for multi-junction solar cells by screen-printing and annealing of Al-Ge pastes	Ryoji Katsube	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	8.125	BL47XU	Np
175	2025B1331	Analysis of Unsafe Phenomena in Lithium-ion Secondary Batteries for 1 Ah cylindrical batteries	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL28B2	Np
176	2025B1332	Visualization of the 3D structure of a single aerosol liquid droplet by in situ X-ray scattering	Toshio Yamaguchi	Fukuoka University	Japan	Educational Organization	Environmental Science	9	BL37XU	Np
177	2025B1334	Development of high-density 3D mapping technique for nano-structure of aluminum alloys by small-angle scattering CT and its application	Kyosuke Hirayama	Kagawa University	Japan	Educational Organization	Materials Science and Engineering	12	BL40XU	Np
178	2025B1336	Nanoscale geo-spatiotemporal microbiology: visualization ofenvironmentalmicrobes	Yuki Morono	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL47XU	Np
179	2025B1337	Distribution of internal radionuclides in rat femur	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	9	BL20B2	Np
180	2025B1338	Intracellular distribution of uranium in renal tubular cells that retain ureteral and vascular polarity	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL37XU	Np
181	2025B1341	Influence of Cellulose Nanofibers on the Crystallization and Mechanical Behavior of Polyvinyl Alcohol Nanocomposites	Ken Taguchi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
182	2025B1342	Constraints on Magma Flow in Subduction Zones from the Viscosity and Electrical Conductivity Relationship of Silicate Melts at High Pressures	Aaron Ashley	University Clermont Auvergne	France	Foreign	Earth and Planetary Science	12	BL04B1	Np
183	2025B1343	Reversibility of oxygen redox dictated by oxygen coordination geometry	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	9	BL27SU	Np
184	2025B1344	X-ray Fourier Ptychography for Enhancing the Capabilities of X-ray Nano-Microscopy/CT	Yoshinori Nishino	Hokkaido University	Japan	Educational Organization	Beamline Engineering	9	BL20XU	Np
185	2025B1345	Three-Dimensional Quantitative Analysis of Failure Behavior of CNT Yarns Embedded in a Polymer Matrix Using Digital Volume Correlation	Go Yamamoto	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL20XU	Np
186	2025B1346	High-resolution Enhancement of Compton Scattering Imaging using Bayesian Super-resolution III	Yuki Mizuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	6	BL08W	Np
187	2025B1347	Operando micro XAFS studies on distribution of redox species in the solutions of thermo-chemical cells	Hirofumi Yoshikawa	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	8.875	BL37XU	Np
188	2025B1348	Ion-Pairing Assembly of π-Electronic Cations for Organic Electronics Materials	Hiroki Horita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL41XU	Np

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189	2025B1351	Structural Analysis of Skin Barrier Reorganization Induced by Drug-Free Transferosomes	Mina Sakuragi	Sojo University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
190	2025B1352	Metallization and crystal structure of hydrogen under ultrahigh pressure	Yuki Nakamoto	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	Np
191	2025B1353	Elucidating the Earthquake Preparatory Process through Synchrotron X-ray Operando Shear Experiments	Miki Takahashi	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	18	BL20B2	Np
192	2025B1355	Pressure- and Photo-Induced Charge-Transfer Phase Transition in 2D Cyanido-Bridged Co–W Assemblies: Structural Elucidation via High-Pressure X-ray Diffraction	Laurent Guerin	Centre National de la Recherche Scientifique	France	Foreign	Materials Science and Engineering	6	BL10XU	Np
193	2025B1356	Charge-Density-Wave Stability Mechanism in Pd–Br MX–Chains: First Combined Application of X-Ray Holography and 3D-ΔPDF	Laurent Guerin	Institute of Physics of Rennes / University of Rennes	France	Foreign	Materials Science and Engineering	11.625	BL37XU	Np
194	2025B1357	Exploration of optimal discretization of whole-body vibration into bouts for suppressing bone destruction due to breast cancer metastasis	Takeshi Matsumoto	Tokushima University	Japan	Educational Organization	Medical Applications	6	BL20B2	Np
195	2025B1359	Vector mapping of orbital angular momentum textures in momentum space of topological materials	Kenta Kuroda	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	16.625	BL25SU	Np
196	2025B1360	Pressure effect on V-V dimerization in ilmenite-type vanadate, II	Hajime Yamamoto	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
197	2025B1361	Polyamorphism in Ce-Mn glass tracked by high-energy total X-ray scattering	Jens Stellhorn	Shimane University	Japan	Educational Organization	Materials Science and Engineering	3	BL04B2	Np
198	2025B1362	Significant efficiency improvement of 10 ps dynamics study via gamma-ray quasi-elastic scattering using the two-dimensional X-ray detector CITIUS	Makina Saito	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	17.875	BL35XU	Np
199	2025B1363	Identification of spatiotemporal pattern in intracellular ratio and distribution of elements in phytoplankton using soft X-ray ptychography	Taketoshi Kodama	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL07LSU	Np
200	2025B1366	Partial structural changes by cryogenic rejuvenation in Yb65TM35 metallic glasses	Shinya Hosokawa	Shimane University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
201	2025B1367	PDF analyses on cryogenic rejuvenation in Yb65TM35 metallic glasses	Shinya Hosokawa	Shimane University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
202	2025B1368	Determination of resonance frequency on NV-center under high-temperature and high-pressure conditions	Masahiro Ohkuma	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
203	2025B1369	Development of a Hard X-ray Telescope for a Balloon X-ray Polarimetry XL-Calibur IX	Yoshitomo Maeda	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Other	12	BL20B2	Np
204	2025B1370	Exploring the role of oxygen-vacancy-induced magnetic structure in spin glass formation in non-substituted garnet oxides thin films	Md Shamim Sarker	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	11.625	BL25SU	Np
205	2025B1372	Assessment of CSF circulation and clearance in a mouse model of Alzheimer's disease	Steven Proulx	University of Bern	Switzerland	Foreign	Medical Applications	17.125	BL20B2	Np
206	2025B1373	Analysis of Local Order Structures in Supersaturated Solid Solution of Li3VO4–Li2MoO4 Prepared by Spray-Dry Quenching	Etsuro Iwama	Tokyo University of Agriculture and Technology	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
207	2025B1374	Probing electron correlations through high-resolution Magnetic Compton scattering	Stephen Dugdale	University of Bristol	UK	Foreign	Materials Science and Engineering	8.875	BL08W	Np
208	2025B1378	Elucidation of solid electrolyte formation mechanism during mechanochemical reaction under anaerobic atmosphere by ultrafast in situ PDF analysis	Hiroki Yamada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.125	BL08W	Np
209	2025B1379	Investigation of metastable structure dynamics during the decompression process by using high-speed in-situ X-ray diffraction technique	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL10XU	Np
210	2025B1380	Mesophase formed by uniaxial drawing and its crystallization and melting behaviors in poly(trimethylene terephthalate)	Takashi Konishi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
211	2025B1381	Molecular dynamics observations of fiber-based polymer materials using microbeam X-ray Blinking	Yuji Sasaki	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL40XU	Np
212	2025B1382	Observation of Structural Changes during the Solvent Annealing Process of Paramylon Ester	Taizo Kabe	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL40XU	Np

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213	2025B1383	Elucidating mineral nucleation and multiscale crystal alignment mechanisms under flow and chemical gradients: a time- and space-resolved X-ray microbeam scattering study	Ayumi Koishi	RIKEN	Japan	National and Nonprofit Organization	Earth and Planetary Science	5.875	BL40XU	Np
214	2025B1384	Understanding crystallization mechanisms through comprehensive exploration of zeolite synthesis products by combining high-throughput synthesis and high-throughput PDF measurement systems	Hiroki Yamada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL04B2	Np
215	2025B1385	Bayesian Time-Resolved SAXS Analysis: Tracking Tetramer-Dimer Dissociation Dynamics of Hemoglobin	Hiroshi Sekiguchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	6	BL40XU	Np
216	2025B1387	Evolution of the vertebrate exoskeletal tissues based on comparative analysis of micro-histological structures	Tatsuya Hirasawa	The University of Tokyo	Japan	Educational Organization	Life Science	3	BL20B2	Np
217	2025B1388	The elastic wave velocities of hcp iron hydride at high pressures and high temperatures:	Sho Kakizawa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL04B1	Np
218	2025B1390	Dynamic observation of semisolid deformation during compression deformation in bulk Al alloys of 1 cm in diameter by 4D-CT with using high-brilliant X-rays monochromatized by multilayer mirror	Taka Narumi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL20B2	Np
219	2025B1391	Analysis of ceramide-cholesterol molecular interaction contributing to the barrier function of intercellular lipids in stratum corneum	Yasuko Obata	Hoshi University	Japan	Educational Organization	Life Science	6	BL40B2	Np
220	2025B1392	sXAS study of the fast-charging cathode material for the Li-ion batteries	Jian Wang	City University of Hong Kong	China	Foreign	Materials Science and Engineering	6	BL27SU	Np
221	2025B1393	Changes in Oxygen Species During Heat Treatment in Oxygen-Redox Cathodes	Okkyun Seo	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	12	BL27SU	Np
222	2025B1394	Ce 4f-5d Coulomb repulsion Ufd for $CeFe_2Ge_2$ and $CeNi_2Ge_2$ by Ce L_3 high-energy resolution fluorescence detected x-ray absorption spectroscopy and resonant x-ray emission spectroscopy: verification of universality of Ufd in quantum critical phenomena	Kojiro Mimura	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	8.375	BL39XU	Np
223	2025B1396	Investigation of fluid inclusions in primitive meteorites and asteroidal samples using X-ray μCT	Megumi Matsumoto	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	6	BL20XU	Np
224	2025B1397	Compositional dependence of high-pressure structural change in CaO-Al2O3-SiO2 glasses under the pressure conditions near the 410 km discontinuity	Itaru Ohira	Gakushuin University	Japan	Educational Organization	Earth and Planetary Science	5.875	BL04B1	Np
225	2025B1398	Phase relations of high-pressure hydrous phases in the AlOOH–SiO_2 system under uppermost lower mantle conditions	Masayuki Nishi	The University of Osaka	Japan	Educational Organization	Earth and Planetary Science	18	BL04B1	Np
226	2025B1399	Identification of intracellular amyloid degradation using soft X-ray ptychography	Mari Shimura	National Center for Global Health and Medicine	Japan	National and Nonprofit Organization	Life Science	21	BL07LSU	Np
227	2025B1400	Imaging analysis on fluid inclusions in meteorites and asteroidal samples using analytical nanoCT system	Megumi Matsumoto	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	17.875	BL47XU	Np
228	2025B1405	Electronic state analysis of polymer electrolyte membranes and various sulfonic acid groups using tender X-ray absorption spectroscopy	Naoya Kurahashi	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	9	BL27SU	Np
229	2025B1407	Identification of the positional relationship between the specific microstructure formed near the melt pool boundary and the melt pool itself	Kohei Morishita	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
230	2025B1408	Sound velocities of hydrous KLB-1 at mantle transition zone conditions	Nao Cai	University of Chinese Academy of Sciences	China	Foreign	Earth and Planetary Science	7.625	BL04B1	Np
231	2025B1409	microbeam fast rheo-SAXS for 3D dynamics in micro-space rheology	Keishi Akada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.125	BL40XU	Np
232	2025B1410	Study of the detailed structure of methyl cellulose in aqueous solution: thermoresponsive behavior in non-equilibrium system	Yusuke Sanada	Fukuoka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
233	2025B1412	Observation of local structure change by structural phase transition of Sm-doped $BiFeO_3$ thin films	Seiji Nakashima	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	12	BL32B2-P	Np
234	2025B1413	Elucidating Gas Response Dynamics of Interdigitated Soft Porous Crystals through Ligand Control	Hirotoshi Sakamoto	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
235	2025B1415	In-situ chemical state analysis of carbon-based tribofilms by installing a tribometer in the beamline - Continuing trial	Tomoko Hirayama	Kyoto University	Japan	Educational Organization	Industrial Applications	24	BL27SU	Np

2025B, Performed General Proposals

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1Shift =8Hours

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236	2025B1416	Observation of spin state changes in cobalt perovskite oxides using soft Xray absorption spectroscopy	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL27SU	Np
237	2025B1417	Nano-IR analysis of spatial distribution and state of water molecules in White Smoker Chimney collected from deep sea and its artificial mimetics	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Earth and Planetary Science	9	BL43IR	Np
238	2025B1418	Sulfur speciation of organic matter in the asteroid Bennu samples by XRF-S-XANES and STXM	Hikaru Yabuta	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	11.5	BL27SU	Np
239	2025B1419	SAXS Analysis for Clarifying the Influence of the Nanoscale and Microscale Structure of Wood on Its Macroscale Mechanical Properties – Structural Response to Dynamic Deformation	Soichi Tanaka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
240	2025B1420	Observations of equiaxed dendrites in bulk Al-Cu specimens: construction of time-evolved prediction models of solidification properties such as permeability	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20B2	Np
241	2025B1421	Solution structure of sulfated polysaccharide and its association structure with whey proteins	Yoshiaki Yuguchi	Osaka Electro-Communication University	Japan	Educational Organization	Life Science	6	BL40B2	Np
242	2025B1422	Feasibility study of in situ measurement of grain configuration on a cross-section using 4D-CT+XRD for understanding microstructure evolution after a massive-like transformation in Fe-C alloys	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
243	2025B1423	Investigation of Ionic Diffusion into Hydrophilic Polymer; Modified Structures Induced by Coordination and Inner Precipitation.	Akio Kawaguchi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
244	2025B1425	Mechanism to improve the strength of fiber reinforced concrete focusing on the interfacial microstructure between cement and fibers	Kosuke Takahashi	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	3	BL20XU	Np
245	2025B1426	Infrared microspectroscopy of microdiamonds from Kokchetav, Kazakhstan: Toward identification of volatile species in diamond inclusions	Hideaki Kawamura	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	12	BL43IR	Np
246	2025B1428	Elastic wave velocity measurements for extraterrestrial organic analogs: Investigating the temperature dependance of elasticity under high-temperature and high-pressure conditions.	Eito Hirai	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
247	2025B1430	Non-destructive anatomical assessment of fossil dinosaur hard tissues from Fukui, Japan through utilization of multi-scale approach of synchrotron-radiation based X-ray computed tomography analyses	Takuya Imai	Fukui Prefectural University	Japan	Educational Organization	Life Science	6	BL28B2	Np
248	2025B1431	In-situ Investigation of Redox Behavior of Co and Fe in LSCF Air Electrode for SOFC/EC by Total Reflection XAFS	Jongwoo Lim	Seoul National University	Korea	Foreign	Chemical Science	6	BL37XU	Np
249	2025B1432	Investigation of the role of Mn in MnO2-based non-/low-noble metal catalysts for oxygen evolution reaction using time-resolved operando XAFS measurements	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	12	BL36XU	Np
250	2025B1433	The role of lattice in the formation of spin density wave in a layered nickelate	Xun Jia	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	17.125	BL35XU	Np
251	2025B1434	PDF study of geometry and chemical short-range ordered Ni-Mo-P-B metallic glasses	He Zhu	Nanjing University of Science and Technology	China	Foreign	Materials Science and Engineering	6	BL08W	Np
252	2025B1437	Speciation of trace uranium adsorbed on magnetite by high energy resolution fluorescence detection XANES	Takumi Yomogida	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	5.625	BL39XU	Np
253	2025B1438	Operando evaluation of electrochemical stability at all-solid-state battery interfaces using depth-resolved soft X-ray absorption spectroscopy	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL27SU	Np
254	2025B1439	Investigation of the elastic wave velocities of δ-AlOOH and ε-FeOOH: implications for the seismic velocities of the hydrated subducted slab	Wentian Wu	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
255	2025B1442	Revealing anisotropic Coulomb Interaction using linear dichroism in high-resolution x-ray emission spectroscopy of CeTIn5(T=Co,Rh,Ir)	Hidenori Fujiwara	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	14.125	BL39XU	Np
256	2025B1446	Investigation of the reaction mechanism of the oxygen evolution reaction on Ir-doped MnO2 catalysts in a PEM water electrolyzer using time-resolved operando HERFD-XANES and EXAFS: Part 3	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	12	BL36XU	Np
257	2025B1447	Elucidation of the Structural Origin of Martensitic Transformation and Stress Hysteresis in Single-Crystal Cu-Al-Mn Alloys via In-situ Scanning Micro-XAFS under Tensile Testing	Kakeru Ninomiya	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	Np

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258	2025B1448	High-resolution operando 3D visualization of charge-discharge reactions in Ni-rich single-crystal/polycrystalline active material particles for lithium-ion batteries using imaging nano-CT-QXAFS	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL37XU	Np
259	2025B1449	Evaluation of thermal stability of Mn-based organic-inorganic hybrid fluorescent materials using in-situ simultaneous measurements of X-ray total scattering and photoluminescence	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL04B2	Np
260	2025B1450	Analysis of the effects of SC water content and electrical stimulation on the transdermal absorption process.	Hiromitsu Nakazawa	TEIKYO University of Science	Japan	Educational Organization	Life Science	5.625	BL40B2	Np
261	2025B1451	Control of aggregated structures of bent-shaped organic semiconductors: Evaluation of driving force for phase transition between crystalline polymorphs by temperature-variable powder structure analyses	Toshihiro Okamoto	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL44B2	Np
262	2025B1452	Probing the relation between the 4f orbital symmetry and c-f hybridization effect in strongly correlated Dy compounds by the realization of HAXPES with both high throughput and high resolution	Akira Sekiyama	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	18	BL19LXU	Np
263	2025B1453	Elucidation of interfacial mechanical properties of plastic/metal composite interface using high-resolution nano-computed tomography	Tomoki Matsuda	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
264	2025B1454	Study on effect of flux composition on arc stability and bead formation through the formation, transport and release processes of bubbles in molten metal in flux-cored arc welding based on the experimental observation using synchrotron radiation source - SPring-8	Shinichi Tashiro	The University of Osaka	Japan	Educational Organization	Industrial Applications	12	BL20B2	Np
265	2025B1455	Investigation of Syneresis Process and Phase Separation Phenomena Triggered by External Stimuli in Hydrated Polymer Gels via High-Speed Time-Resolved Nano-Infrared Spectroscopy	Yoshihisa Fujii	Mie University	Japan	Educational Organization	Chemical Science	23	BL43IR	Np
266	2025B1456	Exploring Tool Use in the Protozoan Homotrema rubrum Through High-Resolution CT Imaging	Kotaro Hirose	University of Hyogo	Japan	Educational Organization	Life Science	6	BL20XU	Np
267	2025B1458	Precise determination of the post-garnet transitions in MgSiO3-Al2O3 system using Kawai-type multianvil press: Toward comprehensive understanding of the 660-km seismic discontinuity structure	Takayuki Ishii	Okayama University	Japan	Educational Organization	Earth and Planetary Science	15	BL04B1	Np
268	2025B1459	Elucidation of the Band Structure in New Exfoliatable Dirac Electron Systems Beyond Graphene	Natsuki Mitsuishi	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	11.5	BL25SU	Np
269	2025B1460	Strength and crystallographic preferred orientation of the subducted slab determined from high-temperature and pressure deformation experiments with large strain using the rotational diamond anvil cell	Shintaro Azuma	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	15	BL47XU	Np
270	2025B1461	Local Structural Analysis of High-Temperature Phase Ag-Doped $CsPbBr_3$ Semiconductor Using X-ray Fluorescence Holography	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np
271	2025B1462 *	Elucidation of the Mechanism of Permittivity Enhancement in Nb-Doped TiO_2 through Phonon Observation	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	11.875	BL35XU	Np
272	2025B1463	Elucidation of the Dopant-Induced Lattice Thermal Conductivity Reduction Mechanism in W-Doped Fe2VAl Thermoelectric Materials via Phonon Observation	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	14.875	BL35XU	Np
273	2025B1464	Realization and local structure of diatomic molecular glass	Osamu Yamamuro	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	10	BL04B2	Np
274	2025B1465	Local Structure Analysis of Eu-doped KNbO3 Lead-Free Piezoelectric Material by X-ray Fluorescence Holography: Elucidation of Eu-Induced Luminescence Property	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
275	2025B1466	A Study on Improving the Efficiency of Fluorescence π-XAFS with a Two-Dimensional Detector and Its Application to Element-Specific Structural Analysis	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	13.625	BL32B2-P	Np
276	2025B1467	Effect of Na co-doping on the local structure of trivalent cerium in the neutron scintillator LICAF probed by X-ray fluorescence holography	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL37XU	Np
277	2025B1468	Single crystal structure analysis of multi-functionalized fullerene derivatives	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	3	BL41XU	Np

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278	2025B1469	Broadband infrared near-field spectrometer with an infrared synchrotron light source	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	8.875	BL43IR	Np
279	2025B1470	Amorphous solid electrolytes with different mechanical property and its structure influence	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	3	BL04B2	Np
280	2025B1472 *	Correlation analysis between catalytic activity of oxygen evolution and domain structure of polymer electrolyte membrane by time- and special-resolved operando SAXS measurement	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	6	BL40XU	Np
281	2025B1473	Investigation of Charge Transfer Mechanism of SrFeO2 Cathode Material for All-Solid-State Fluoride Batteries by X-ray Raman Scattering(1)	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	9	BL39XU	Np
282	2025B1474	Electronic structure change analysis of sulfide solid electrolyte under humidity condition by using soft X-ray absorption spectroscopy for O K-edge (4)	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	8.875	BL27SU	Np
283	2025B1475	Improving the in-vivo visualisation of live airway surfaces and quantification of ciliary behaviour	Martin Donnelley	University of Adelaide / Women's and Children's Hospital	Australia	Foreign	Medical Applications	11	BL20XU	Np
284	2025B1476	High-throughput high-energy X-ray total scattering measurements of zeolites during cooling processes using a low-temperature spray cooling system for big data analysis the thermal negative expansion behavior of them in low-temperature regions below room temperature	Yuki Sada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL04B2	Np
285	2025B1478	Operando High Energy X-ray CT Analysis of Charge-Discharge Reaction in Advanced Lithium-ion Batteries	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL20B2	Np
286	2025B1479	The construction of a magnetic hysteresis measurement system using transmitted light.	Naruki Tsuji	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	17.625	BL08W	Np
287	2025B1480	Visualization of Axonal Transport of Quantum Dots from the Nasal Cavity to the Brain in Mice	Satsuki Takai	Kyoto University	Japan	Educational Organization	Life Science	3	BL37XU	Np
288	2025B1481	Site-selective phonon partial state density analysis of Heusler-type Fe_2VAl-based compounds by Nuclear Resonant Inelastic Scattering for thermal conductivity control	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	11.625	BL19LXU	Np
289	2025B1482	Local structural analysis of pressure-induced crystal-amorphous transition for Sr8Ga16Ge30 clathrate compounds determined by X-ray Fluorescence Holography	Naoki Ishimatsu	Ehime University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	Np
290	2025B1483	Operando X-ray CT analysis on silicon anode/electrolyte interface of all-solid state lithium battery	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL20XU	Np
291	2025B1484	Hydrogenation process of ferrimagnetic compounds RCo5Hx(R=Dy or Ho) determined by XRD under high pressure	Naoki Ishimatsu	Ehime University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
292	2025B1485	Measurement of melting temperature and liquid density of Fe3S in the Martian core condition using X-ray absorption and diffraction methods	Hidenori Terasaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
293	2025B1486	Quantifying temperature-dependent dynamic octahedral distortion in halide perovskites Cs3Bi2IxCl9-x through in situ synchrotron X-ray total scattering	Jiawei Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	4.625	BL04B2	Np
294	2025B1487	Infrared spectromicroscopic analysis of microplastics	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Environmental Science	6	BL43IR	Np
295	2025B1490	Molecular structure and motility mechanism of cilia by X-ray diffraction analysis of ctenophore comb plate	Kazuo Inaba	University of Tsukuba	Japan	Educational Organization	Life Science	18	BL40XU	Np
296	2025B1491	Toughening of rubber materials through selective graft polymerization of N-vinylamide onto latex surfaces and elucidation of mechanisms through scattering measurements during the elongation process.	Ryohei Ikura	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
297	2025B1493	Molecular-level Structural Analysis of Concentrated Electrolyte for Lithium-Ion Batteries: Ion Ordering and Electrode Reaction Properties	Saki Sawayama	Yamaguchi University	Japan	Educational Organization	Chemical Science	8.875	BL04B2	Np
298	2025B1494	Atomic defect controlling magnetic anisotropy in two-dimensional itinerant ferromagnet Fe5-xGete2 analyzed by core-level photoemission holography	Kohei Yamagami	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL25SU	Np

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299	2025B1495	Application of contrast variation SAXS (CV-SAXS) and operando SAXS to determine the particle size distribution of Pt based catalysts developed by Hydrogen South Africa (HySA) Catalysis	Albert Mufundirwa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL40B2	Np
300	2025B1498 *	Identification of isostructural transformation in cobalt at extreme conditions by in-situ X-ray diffraction	Liang Xu	Southwest University of Science and Technology	China	Foreign	Materials Science and Engineering	9	BL10XU	Np
301	2025B1499	Local structure analysis of novel palmierite-type and perovskite-type ion conductors	Masatomo Yashima	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np
302	2025B1501	Investigation of the decomposition mechanism of magnesite with reduced C-H-O fluid by In-situ X-ray diffraction under HPHT	Hiroaki Ohfuji	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	11.875	BL04B1	Np
303	2025B1502	Influence of the effect of insertion of an electrode/electrolyte interface layer and its thickness on the chemical stability of the electrolyte in a solid oxide electrolysis/fuel cell.	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL37XU	Np
304	2025B1503	Study of the mechanism of hair damage control	Yuuichi Kondou	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	3	BL40XU	Np
305	2025B1505	Investigation of Magnetic Properties of Iron-Based Alloys Subjected to Severe Ion Irradiation Equivalent to Fusion Reactor Environment	Yasuhiro Kamada	Iwate University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
306	2025B1507	Observation of Bulk-derived Spin-split Bands in a Weyl-Type Altermagnet	Akio Kimura	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
307	2025B1508	Medium-range structure of Si and Al in plagioclase glasses: Investigation on collapse of tetrahedral ordering	Nozomi Kondo	Okayama University	Japan	Educational Organization	Materials Science and Engineering	3	BL27SU	Np
308	2025B1509	Crystal structure of complex for elucidating the interaction mechanism between cellulose and inorganic salts	Kayoko Kobayashi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
309	2025B1510	In situ observation of interfacial behavior during the synthesis of macroporous monolith for the structural control of Zn-based layered double hydroxides by multimodal measurement combining X-ray multiscale imaging and X-ray diffraction	Yuki Sada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	4	BL20XU	Np
310	2025B1511	Small- and Wide-Angle Scattering Studies of the Topology Effects on the Conformation and Hydration State of Star-Shaped and Polycyclic PEG	Takuya Yamamoto	Hokkaido University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
311	2025B1512	Highly sensitive XANES analysis of tungsten in sediment samples by HERFD-XANES: implications for the effect of redox state on the aqueous solubility of tungsten and the evolutionary history of the essential element	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL39XU	Np
312	2025B1513	Analysis of structural changes of nitrogen-containing heterocyclic squaramides by externally response	Masatoshi Kawahata	Showa Pharmaceutical University	Japan	Educational Organization	Chemical Science	9	BL26B1	Np
313	2025B1514	Ultrasonic velocity measurements of partial melting at lunar core-mantle boundary conditions	Yanhao Lin	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Earth and Planetary Science	9	BL04B1	Np
314	2025B1517	Direct evaluation of molecular chain distance in polymer thin film during gas permeation process	Ken Kojio	Kyushu University	Japan	Educational Organization	Chemical Science	6	BL03XU-P	Np
315	2025B1518	Metallographic Observation of Bronze Mirrors from the Heian Period Using X-ray Laminography	Manako Tanaka	Tokyo University of the Arts	Japan	Educational Organization	Other	11.875	BL20B2	Np
316	2025B1519	Revealing charge density wave related structural phase transitions and lattice dynamics in bulk TiSe2	Hans Tornatzky	Paul Drude Institute for Solid State Electronics	Germany	Foreign	Materials Science and Engineering	12	BL43LXU	Np
317	2025B1520	Structural change in silicate glasses of plagioclase compositions at high pressures	Nozomi Kondo	Okayama University	Japan	Educational Organization	Materials Science and Engineering	3	BL15XU-P	Np
318	2025B1521	Elastic wave velocities measurement of CaCl2-type post-stishovite	Youyue Zhang	Ehime University	Japan	Educational Organization	Earth and Planetary Science	5.875	BL04B1	Np
319	2025B1522	Realization of analysis of crystal orientation, mechanical conditions and damage behavior in structural materials by near/far field XRD-CT	Hiro Fujihara	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	11.5	BL20XU	Np
320	2025B1523	Evaluation of bubble transport efficiency inside a modified PEM-type water electrolysis cell by X-ray imaging	Kota Ando	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	6	BL28B2	Np

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321	2025B1524	Structural Analysis of Methylaluminoxane Activator (Anion)–Molecular Catalyst (Cation) Pairs by High-Throughput PDF Measurements	Toru Wada	Japan Advanced Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
322	2025B1527	Swelling Behavior of Crystalline Ionic Gels Exhibiting Both High Mechanical Strength and Electrical Conductivity	Noboru Osaka	Okayama University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
323	2025B1528	Operando CT characterization of Li/LLZO interfaces with different architecture in all solid-state batteries	Mihkel Vestli	University of St Andrews	UK	Foreign	Chemical Science	12	BL37XU	Np
324	2025B1529	Development of a soft X-ray ptychographic system using a large-NA total reflection mirror and its application to high-resolution magnetic imaging.	Takashi Kimura	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	18	BL25SU	Np
325	2025B1530	Analysis of electrode reaction mechanisms in liquid lithium-ion batteries and all-solid-state lithium-ion batteries	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Materials Science and Engineering	17.875	BL08W	Np
326	2025B1531	High-time resolve operando measurement of the structural relaxation process in commercialized Li-ion battery using high-energy X-ray diffraction	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Chemical Science	9	BL08W	Np
327	2025B1532	Accurate determination of the dehydration temperature of the δ-AlOOH up to 30 GPa	Goru Takaichi	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
328	2025B1533	Brittle-plastic transition in garnet and frictional sliding	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	9	BL15XU-P	Np
329	2025B1534	Investigation of phonon dispersion for thermal SiO2/Si interface by grazing incidence inelastic X-ray scattering	Ryo Yokogawa	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	11.625	BL35XU	Np
330	2025B1535	Development of experimental method at ultra high-pressure and temperature conditions using Kawai-type multi-anvil apparatus: Improvement on high-pressure and high-temperature cell with boron-doped diamond heater and determination of high-pressure and temperature equation of state of TaC	Nozomi Kondo	Okayama University	Japan	Educational Organization	Earth and Planetary Science	5.125	BL04B1	Np
331	2025B1536	Mechanism of deep earthquakes at the mantle transition zone: insight from the direct observation of the ultra-high-pressure faulting using the rotational diamond anvil cell	Keishi Okazaki	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	14.875	BL47XU	Np
332	2025B1537	Effects of abnormal acylceramide metabolism on the microstructure of intercellular lipids in the stratum corneum	Tetsuya Hirabayashi	Tokyo Metropolitan Institute of Medical Science	Japan	National and Nonprofit Organization	Medical Applications	11.625	BL40B2	Np
333	2025B1539	Liquid structures of heterogeneous solutions revealed by high-energy X-ray total scattering experiments	Jihae Han	Niigata University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
334	2025B1541	Analysis of network structure of tough movable cross-linked materials incorporating biodegradable polymers by X-ray scattering measurement	Akihide Sugawara	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
335	2025B1543	Development of soft X-ray 3D imaging using a beam-scanning method with a ring-focusing mirror	Yoko Takeo	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	18	BL25SU	Np
336	2025B1544	Rheo-SAXS Study on Shear-Thickening Suspension of Fumed Silica in Aqueous Polyhydric Alcohol Solutions	Naoya Torikai	Mie University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
337	2025B1545	Visualization of the synthesis process of ferrimagnetic double perovskite oxides (Nd1-xLax)2MnCoO6 using time-resolved PDF measurements	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL08W	Np
338	2025B1547	Infrared absorption mapping of human stratum corneum and intercellular lipid models	Yasuko Obata	Hoshi University	Japan	Educational Organization	Life Science	12	BL43IR	Np
339	2025B1548	Evaluation of semiconductor detectors aboard the US-Japan joint sounding rocket experiment FOXSI-5 for the focusing imaging-spectroscopic observation of a solar flare in X-rays	Noriyuki Narukage	Inter-University Research Institute Corporation, National Institutes of Natural Sciences	Japan	National and Nonprofit Organization	Elementary Particles, Nuclear Science	18	BL20B2	Np
340	2025B1551	In situ observation of Ce re-dispersion in a highly efficient inverse Ce0.1ZrOx/Cu catalyst for hydrogen production through methanol reforming (メタノール改質による水素製造において高効率な逆型$Ce_{0.1}ZrO_x$/Cu触媒中のCe再分散のその場観察)	Ding Ma	Peking University	China	Foreign	Chemical Science	15	BL14B2	Np
341	2025B1554	Analysis of structural changes in response to guest adsorption/desorption of porous organic crystals formed through flexible hydrogen bonding	Ichiro Hisaki	The University of Osaka	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
342	2025B1555	Investigation of the Influence of Gel Spinning Parameters on Crosslinking and Fiber Orientation Structures	Hanako Asai	University of Fukui	Japan	Educational Organization	Chemical Science	3	BL19B2	Np

2025B, Performed General Proposals

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1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
343	2025B1556	Investigation of Transition Conditions of Disappearing Polymorphs and Evaluation of Phase Transition Intermediates in Small-Molecule Crystals	Toshiyuki Sasaki	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B2	Np
344	2025B1557	Electronic orbital visualization in borates through high-resolution single-crystal X-ray diffraction	Atsushi Kyono	University of Tsukuba	Japan	Educational Organization	Earth and Planetary Science	6	BL02B1	Np
345	2025B1561	Facile X-ray Single-Crystal Structural Analysis of Microcrystals of Highly Active Organic Molecules Containing Heavier Main Group Elements	Koh Sugamata	University of Tsukuba	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
346	2025B1562 *	Unravelling the mechanism of nitridation and re-hydrogenation of the BaM1−xInxO3−0.5xHy (M = Zr, Sn, Ce) oxyhydride materials	Seongwoo Jeong	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
347	2025B1563	Elucidation of Mechanism for multi-crystallization in element substituted La(O,F)BiS2	Satoshi Demura	Nihon University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
348	2025B1564	8th measurement of effect of hydrogen on change in dislocation density and phase transformation with tensile deformation in hydrogen-filled stainless steel using in-situ tensile test and X-ray diffraction, - measurement of efffect of Nitrogen on hydrogen embrittlement-	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
349	2025B1567	Elucidation of structural changes under CO2 hydrogenation conditions in high entropy nanopartilces/oxide using operando XAFS/XRD observations	Kohsuke Mori	The University of Osaka	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
350	2025B1568	Quantification of the volume fraction of intermetallic compounds in multi-component aluminum alloys fabricated by additive manufacturing	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	2	BL19B2	Np
351	2025B1569	Radiation X-ray structural analysis of chemically substituted molecular gyrotop	Naoyuki Katayama	Okayama University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
352	2025B1570	Size Effects on Product Selectivity in Electrochemical Nitrate Reduction Catalyzed by Copper Active Sites	Kazuhide Kamiya	The University of Osaka	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
353	2025B1571	Structural studies of negative thermal expansion materials using high entropy alloys	Naoyuki Katayama	Okayama University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
354	2025B1573	X-ray studies on the superionic transitions of solid state electrolytes	Naoki Matsui	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
355	2025B1574	Operando QXAFS observations on selective catalytic reduction catalysts of N2O with H2 identified by machine learning	Takashi Toyao	Hokkaido University	Japan	Educational Organization	Chemical Science	11.875	BL01B1	Np
356	2025B1575	Spin-State-Resolved HAXPES Study of $LaCoO_3$ and $LaCoO_{2.5}$ Thin Films via Co 3s Multiplet Splitting at Low Temperature	Hyon Chol Kang	Chosun University	Korea	Foreign	Materials Science and Engineering	12	BL09XU	Np
357	2025B1578	Analysis of deformation mode transition behavior of magnesium alloy using in-situ XRD/AE simultaneous measurement during tensile deformation	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
358	2025B1579	Identifying trajectories of liquid-liquid transition line of supercooled Ge15Te85 under pressure	Tomoki Fujita	Aarhus University	Denmark	Foreign	Materials Science and Engineering	6	BL15XU-P	Np
359	2025B1580 *	Mechanisms of Ni oxidation tolerance by using ceria-type electrolyte in solid oxide electrolysis cells	Hirotatsu Watanabe	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	9	BL19B2	Np
360	2025B1581	Development of Hydrophobic and Flexible Metal-Organic Frameworks Incorporating Cyclophane Ligands	Junichi Usuba	Nagoya University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
361	2025B1582	XAFS Analysis of Metastable Iron Carbides with Deep-Earth-Stable Structures Synthesized under Ambient Conditions	Takato Mitsudome	The University of Osaka	Japan	Educational Organization	Chemical Science	12	BL01B1	Np
362	2025B1583	Study of the critical role of oxygen in the ferroelectric transition of SrAl2O4	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
363	2025B1584	Production of High Performance Proton Conductors by Inorganic-Organic Hybrid Ionic-Liquids	Takeru Ito	Tokai University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
364	2025B1585	Characterization of SEI formation for sodium-ion batteries by ambient pressure hard X-ray photoelectron spectroscopy	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL46XU	Np
365	2025B1586	Observation of Dynamic Lattice Oxygen Diffusion Behavior in Co-Substituted $ATiO_3$ (A = Ca, Sr, Ba) by using in-situ XRD measurements	Saburo Hosokawa	Kyoto Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL13XU	Np
366	2025B1587	Planckian scaling of heavy-fermion quantum critical materials	Shin-ichi Kimura	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np

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367	2025B1588	X-ray absorption fine structure spectroscopy study on the correlation between local structure and activity of supported Au single-atom catalysts	Hiroya Ishikawa	Hokkaido University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
368	2025B1589	Development of Time-Resolved Powder X-ray Diffraction Techniques for Ferroelectric Ceramics Exhibiting No Displacement Response to Alternating AC Electric Fields	Yoshihiro Kuroiwa	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
369	2025B1590	Precise Structural Analysis of $PbTiO_3$-Based Negative Thermal Expansion Materials with Simultaneous Cation and Anion Site Substitutions via Synchrotron X-ray Diffraction	Kengo Oka	Kindai University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
370	2025B1591	The structural phase transition in hybrid improper ferroelectric Ln2SrSc2O7 ceramics with double-layered Ruddlesden-Popper structures	XiaoQiang Liu	Zhejiang University	China	Foreign	Materials Science and Engineering	6	BL02B2	Np
371	2025B1593	Operando Surface film analysis of lithium metal secondary battery using ambient pressure hard X-ray photoelectron spectroscopy	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	9	BL46XU	Np
372	2025B1596	Strain Tensor Measurement and Burgers Vector Identification of Giant Threading Dislocations in GaN Grown by OVPE	Yusuke Hayashi	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL13XU	Np
373	2025B1597	Structure elucidation of woven coordination polymers	Javier Lopez	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
374	2025B1600	Structural analysis of coating films for all-solid-state battery by total scattering measurements and PDF analysis	Shigeru Kobayashi	The University of Tokyo	Japan	Educational Organization	Industrial Applications	3	BL16XU-P	Np
375	2025B1602	Verification of Short-Range Order Engineering in Pyrochlore-Type Niobium Oxides	Shunsuke Kitou	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
376	2025B1604	Structural Characterization on Metastable phases of noble joint material Ag–Si alloy	Masahiko Nishijima	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
377	2025B1605	Setup of the Double Crystal Monochromator at BL14B2	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	9	BL14B2	Np
378	2025B1606	Structural transition and luminescence property of new organic-inorganic hybrid materials	Fumitaka Takeiri	Kindai University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
379	2025B1607	In situ observation of the dynamic behavior of hydride ions in oxyhydride catalysts during ammonia synthesis by ambient pressure hard X-ray photoelectron spectroscopy	Takanori Koitaya	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL46XU	Np
380	2025B1609	Mechanistic analysis of simultaneous NO-N2O-CH4-NH3 removal over Fe-zeolite catalyst by XAFS-DRIFT measurements	Shunsaku Yasumura	The University of Tokyo	Japan	Educational Organization	Industrial Applications	9	BL01B1	Np
381	2025B1610	Dynamic structure analysis in the CO2 adsorption process of porous coordination polymers with interdigitated structure	Yoshiki Kubota	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
382	2025B1611	X-ray Adsorption Study of Redox Reactions and Atomic Structure Evolution in A New Li-Ion Battery Cathode Material	Chang-An Wang	Tsinghua University	China	Foreign	Chemical Science	6	BL01B1	Np
383	2025B1613	Ambient pressure hard X-ray photoelectron spectroscopy for electrochemical interface with hygroscopic thin-film electrolyte layer	Beomgyun Jeong	Korea Basic Science Institute	Korea	Foreign	Chemical Science	9	BL46XU	Np
384	2025B1614	Dimension-Controlled Assembly of Activated Porphyrin Anions	Hiroki Horita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
385	2025B1615	Structural determination of single-molecule magnet thin films formed on water surface and structural modulation by steric hindrance effects	Yoji Horii	Kagawa University	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
386	2025B1616	SAXS-Based Structural Analysis of Stratum Corneum Alterations Induced by Nanocapsulated Ceramide Derivatives	Joonman Park	ISEHAN Co., Ltd.	Japan	Industry	Industrial Applications	6	BL19B2	Np
387	2025B1617	Evaluation of the melting behavior of semiconductor coordination polymers	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
388	2025B1618	In-situ X-ray diffraction measurement on the synthesis of metastable 1D/2D/3D metal oxides using 0D oxide clusters	Takuo Minato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
389	2025B1620	Evaluation of the phase transition behavior of semiconductor coordination polymers with various mixing ratios	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np

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390	2025B1622	Electronic structure and thin-film transistor stability of ultra-high-density a-IGZO thin films	Masatake Tsuji	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	5.75	BL09XU	Np
391	2025B1624	Operando Observation of the Active Structure of Fe/Ni-Based Water Electrolysis Catalysts Activated by Electrolyte Cations and Anions	Masaaki Yoshida	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
392	2025B1625	Quantitative Study on Serration Flow in a Metastable Austenitic Stainless Steel	Yanxu Wang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL19B2	Np
393	2025B1626	Exploration of the relationship among the oxygen-defect distribution, possible band bending, and the physical properties in the series of (InGaO3)m(ZnO)n using hard x-ray photoemission spectroscopy	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
394	2025B1627	Elucidation of the formation mechanism of carbon-supported metal catalysts from metal ion-supported resin precursors during the carbonization process aiming at precise control of catalytic properties #2	Hiroyasu Fujitsuka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
395	2025B1628	Negative thermal expansion and related mechanism in perovskite ferroelectrics with high tetragonality	Zhao Pan	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL02B2	Np
396	2025B1629	Determination of the chemical composition of topochemical hydrogenated perovskite oxides thin films	Yuki Sasahara	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
397	2025B1630	Meta-stable phase identification in high-quality ferroelectric hafnia membranes	Daisuke Kan	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
398	2025B1631	Structural transition and luminescence property of new organic-inorganic hybrid materials	Fumitaka Takeiri	Kindai University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
399	2025B1632	Local structures of amorphous hydrogen storage oxide revealed by X-ray absorption spectroscopy	Daisuke Kan	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
400	2025B1634	XAFS Study on the Formation Mechanism of High-Entropy/Multiple-Metal Alloy Nanoparticles Synthesized in Ionic Liquid	Yuwei Liu	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL14B2	Np
401	2025B1637	Band structure of infrared driven Al,Bi doped tin oxide with water splitting property using hard x-ray photoelectron microscopy	Toyokazu Tanabe	National Defense Academy of Japan	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
402	2025B1639	Uncovering the origin of relaxor behaviour in lead-free materials via 3D x-ray diffuse scattering	Nan Zhang	Xi'an Jiaotong University	China	Foreign	Materials Science and Engineering	12	BL02B1	Np
403	2025B1641	Structural Analysis of New Antiperovskite Materials Exhibiting Non-trivial Miscibility	Suguru Yoshida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
404	2025B1643	In situ X-ray spectroscopies observation on mixed-metal type conductive metal organic frameworks for electrocatalytic reactions	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
405	2025B1644	In-situ study of the ternary interactions in Cu–Ga2O3–ZrO2 catalysts for efficient CO2 hydrogenation to methanol	Molly Meng-Jung Li	The Hong Kong Polytechnic University	Hong Kong	Foreign	Materials Science and Engineering	6	BL02B2	Np
406	2025B1646	In-situ XAFS analysis of the anode catalysts during the electrolytic oxidation of olefins using the anion exchange membrane electrolysis cell	Shoji Iguchi	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL14B2	Np
407	2025B1647	Elucidation of Redox mechanism linked to ligand exchange reaction of Pt(II) species adsorbed on δ-MnO_2	Daisuke Kawamoto	Okayama University of Science	Japan	Educational Organization	Environmental Science	3	BL14B2	Np
408	2025B1648	Relation between mechanical response and dislocation motion in ultrafine-grained pure Fe/Fe alloys by In-situ XRD during tensile deformation	Yuki Ishii	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL16XU-P	Np
409	2025B1651	Real-Time In-situ Diffraction study for Fundamental understanding of Ion-exchange process	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	6	BL02B2	Np
410	2025B1652	Study on crystallization mechanism of tartar in wine by in-situ measurements of synchrotron XRD, in-situ SAXS and electric conductivity	Takahiro Takei	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
411	2025B1653	Kinetic Investigation of the Na2PtO3–MSO4 Topochemical Reaction and the Formation Mechanism of Ilmenite-Type Platinum Oxide by In-Situ Synchrotron XRD	Yuya Haraguchi	Tokyo University of Agriculture and Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
412	2025B1654	Reaction mechanism investigations of calcium-ion batteries with multi-electron redox-active two-dimensional layered metal-organic frameworks as cathodes via XAFS analysis	Katsuhiro Wakamatsu	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	9	BL14B2	Np

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413	2025B1656	Investigation of crystallization process of lead-free silver iodide bismuth compounds	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
414	2025B1658	Probing Oxygen Vacancy–Driven Electronic Structure Modulation in Layered Perovskite Electrocatalysts for Selective H_2O_2 Production via HAXPES	Changmin Kim	University of Suwon	Korea	Foreign	Materials Science and Engineering	9	BL09XU	Np
415	2025B1661	Studies on formation processes of supported Au nanoparticle catalysts from novel bidentate Au complexes by the combination of in situ Au LIII-edge XAFS and mass spectra	Haruno Murayama	Kanagawa Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
416	2025B1666	Operando measurement of photocatalysis reaction of SiC under water vapor by atmospheric pressure photoelectron spectroscopy	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL46XU	Np
417	2025B1668	In Situ HAXPES Study of Seed-Layer-Assisted ALD MoO_x: Vacancy-Controlled Phase Engineering for Ultrathin Oxide Interfaces	Jiayi Tang	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL09XU	Np
418	2025B1670	In Situ Single-Crystal X-ray Diffraction Study of Gas Adsorption Mechanism in a Porous Coordination Polymer Exhibiting Activation-Dependent Adsorption Behavior	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
419	2025B1671	Understanding the role of molecular ion NH2-/BH4- substitution on local structure and Li-ion transport in Li6PS5X-based solid-state electrolytes via high-resolution synchrotron x-ray analysis	Yi Huang	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
420	2025B1672	Elucidation of Operating Mechanism of Charge Trapped Nonvolatile Memory by Voltage Applied AR-HAXPES in MOS Structures with Various Number of Graphene Fluoride Layers	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
421	2025B1793	Structure and phase transitions in LixNa2-xMn2OS2 (x = 0, 0.25, 0.5) layered antiperovskite	James Murrell	ICMCB	France	Foreign	Materials Science and Engineering	3	BL02B2	Np
422	2025B1796	Analyses of nanostructures of lightly cross-linked polymer blends and composites with inorganic fillers	Hajime Kishi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
423	2025B1801	Single crystal X-ray diffraction experiment of ruthenium oxide spontaneously forming polar molecules inside crystals	Naoyuki Katayama	Okayama University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
424	2025B1803	High-pressure insitu measurement of active site microstructure on diethyl ether carbonylation	Shohei Tada	Hokkaido University	Japan	Educational Organization	Chemical Science	9	BL14B2	Np
425	2025B1805	Ce 4f-5d Coulomb repulsion Ufd for $CeFe_2Ge_2$ and $CeNi_2Ge_2$ by Ce L_3 resonant hard x-ray photoemission spectroscopy: verification of universality of Ufd in quantum critical phenomena	Kojiro Mimura	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	12	BL09XU	Np
426	2025B1807	Revealing nonflammability mechanism of Mg-Zn-Y-X alloys using high temperature in situ XRD measurement	Shinichi Inoue	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL19B2	Np
427	2025B1810	Superlattice structure of rare earth doped Sr2SiO4	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
428	2025B1812	Analysis of Molecular Aggregation in Low-Carbon Raw Material Blending Based on the Energy Security Development Project	Takeshi Morita	Chiba University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
429	2025B1816	Unraveling how hydrogen spillover significantly facilitates catalysis of Ni for reverse water gas shift by operando XAFS	Kazuki Shun	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
430	2025B1817	Mechanism investigation of crystalline electrocatalysts based on metal-oxo clusters containing Ru single atom catalysts during oxygen evolution reactions by operando XAFS measurements	Naoya Haraguchi	The University of Tokyo	Japan	Educational Organization	Chemical Science	9	BL14B2	Np
431	2025B1819	Investigation of thickness-dependent PN conversion of Van der Waals materials observed by angle resolved HAXPES	Jiayi Tang	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	10.5	BL09XU	Np
432	2025B1820	Successive structural phase transition induced by X-ray irradiation in CuIr2S4	Naoyuki Katayama	Okayama University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
433	2025B1821	AP-HAXPES measurements in H2 atmosphere of Zr7Ni10 hydrogen storage alloy with unusual hydrogenation behaviors	Satoshi Kameoka	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL46XU	Np
434	2025B1822	Synthesis of oxyfluorides using fluoride ion scavengers and elucidation of the reaction behavior	Yoshiyuki Inaguma	Gakushuin University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np

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435	2025B1823	Elucidation of how small changes in the crystal structure of semiconductor nanoparticles affect their optical properties	Masanori Sakamoto	The University of Osaka	Japan	Educational Organization	Industrial Applications	2	BL19B2	Np
436	2025B1825	Exploration of Negative Thermal Expanded Halide Perovskites	Tong Zhu	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	4.625	BL02B2	Np
437	2025B1826	Development of Crystal-chemical Design Guidelines for Antipolar Materials Based on Topochemical Fluorination of Layered Perovskite Oxides	Hirofumi Akamatsu	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
438	2025B1827	Investigating high-entropy-induced charge ordering and Mott-insulator transitions in a cobalt perovskite	Yoji Kobayashi	King Abdullah University of Science and Technology	Saudi Arabia	Foreign	Chemical Science	3	BL02B2	Np
439	2025B1829	Structural and electronic state analysis of visible light-responsive complexes utilizing orbital interactions between multiple metals	Yusuke Sunada	The University of Tokyo	Japan	Educational Organization	Chemical Science	2.875	BL02B1	Np
440	2025B1832	Structural Analysis of Hybrid Molecular Catalysts of Polycyclic Aromatic Photosensitizers and Metal Oxide Clusters	Kosuke Suzuki	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
441	2025B1834	Achieving zero thermal expansion across a wide temperature range at high temperatures by introducing additional ferromagnetism	Yongqiang Qiao	Zhengzhou University	China	Foreign	Chemical Science	6	BL02B2	Np
442	2025B1835	Local Strain Analysis of Channel Areas in Gate-All-Around Nanosheet Field-Effect Transistors using Operando Nanobeam X-ray Diffraction	Akira Sakai	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	15	BL13XU	Np
443	2025B1842	Elucidation of the exsolution mechanism of the perovskite oxide materials under reduction conditions	Okkyun Seo	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	9	BL46XU	Np
444	2025B1843	Operando ambient pressure hard X-ray photoelectron spectroscopy of cathode-electrolyte interface in lithium-ion battery	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	8.125	BL46XU	Np
445	2025B1847	Humidified In-situ evaluation of the structure of mixed electron-ion conductive polymer materials	Shunsuke Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL19B2	Np
446	2025B1849	Local Structural Analysis of Silver(I) Semiconducting Coordination Polymer Glasses and Liquid Crystals Synthesized via Machine Learning Approaches	Ryohei Akiyoshi	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
447	2025B1850	In-situ observation of formation process and hydrogenation/fluoridation behavior of new oxygen-deficient ordered perovskites BiMO3-x and PbMO3-x: II	Takumi Nishikubo	Kanagawa Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL13XU	Np
448	2025B1852	Investigation on the structural phase transition in the Aurivillius oxide series BaxSr1-xBi2Ta2O9 showing superparaelectricity (x = 1-0.5), antiferroelectricity (x = 0.4) and ferroelectricity (0.3-0)	Congling Yin	Guilin University of Technology	China	Foreign	Materials Science and Engineering	6	BL02B2	Np
449	2025B1853	In-situ XAS study on zeolite-encapsulated sub-nanometer Rh clusters for regioselective propylene hydroformylation	Lichen Liu	Tsinghua University	China	Foreign	Chemical Science	6	BL01B1	Np
450	2025B1854	Observation of Lattice Oxygen Release Behavior in Co-Substituted BaTiO3 by Simultaneous XAFS-XRD Measurements	Saburo Hosokawa	Kyoto Institute of Technology	Japan	Educational Organization	Chemical Science	5.125	BL01B1	Np
451	2025B1855	Real-space observation of a heavy fermionic state in spinel oxide	Maximilian Hirschberger	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
452	2025B1857	Study of the Charge/Discharge Mechanism of KxMn[Fe(CN)6] in the Na/K Ions Mixed System Using Electrochemical Operando Synchrotron X-ray Diffraction	Shinichi Komaba	Tokyo University of Science	Japan	Educational Organization	Chemical Science	9	BL02B2	Np
453	2025B1859 *	Material exploration of new Ruddlesden–Popper-type layered transition metal oxide ferroelectrics	Koji Fujita	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
454	2025B1861	Start-up study of air-free sample introduction system for high-energy hard X-ray photoelectron spectroscopy	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL46XU	Np
455	2025B1864	4D Identification and Prediction of Under-Coating Corrosion via XAFS Co-registered with Surface-3D and a Physics-Constrained Neural Operator	Feng Jiang	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	3	BL14B2	Np
456	2025B1866	In-operando analysis of microwave-driven lattice-oxygen desorption from mixed metal oxides	Fuminao Kishimoto	The University of Tokyo	Japan	Educational Organization	Chemical Science	5	BL14B2	Np
457	2025B1870	Dimension-Controlled Assembly of Charged π-Electronic Systems with Aromatic Rings Bearing Chiral Branched Chains	Hiroki Horita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
458	2025B1873	Time-resolved SAXS-XAS measurement during electrochemical synthesis of Cu-In intermetallic alloy nanoparticles accompanied by particle-size change	Soichi Kikkawa	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	9	BL19B2	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)/Quasi-Proprietary(Qp)
459	2025B1875	Electronic structure and thin-film transistor stability of ultra-thin a-IGZO films toward next-generation memory applications: Impact of Process-Derived Hydrogen	Masatake Tsuji	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
460	2025B1876	Structure of charge-density wave and chiral magnetism in EuAl4	Qisi Wang	The Chinese University of Hong Kong	Hong Kong	Foreign	Materials Science and Engineering	12	BL02B1	Np
461	2025B1877	Elucidation of correlation between thermal structural phase transitions and dielectric responses exhibited by single crystals formed by cation radicals of polarized unsymmetrical dithiolene metal complexes and development of molecular multiferroics	Kazuya Kubo	University of Hyogo	Japan	Educational Organization	Chemical Science	9	BL02B1	Np
462	2025B1878	Study on the Effect of Hydrogen Annealing on the MoS_2/Sapphire Substrate Interface Layer and Electronic State	Takahiro Nagata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL46XU	Np
463	2025B1879	Unraveling the active structure of Rh-Ti/SiO2 catalyst for the hydrogenolysis of isosorbide to polyols by XAS analysis	Pengru Chen	Kyoto University	Japan	Educational Organization	Chemical Science	6.625	BL14B2	Np
464	2025B1892	Elucidation of the formation mechanism of carbon-supported metal catalysts from metal ion-supported resin precursors during the carbonization process aiming at precise control of catalytic properties #3	Hiroyasu Fujitsuka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
465	2025B1897	In-situ X-ray diffraction study for elucidating the formation mechanism of simultaneous synthesis of metal and oxide nanoparticles using supercritical fluids	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
466	2025B1898	Quantification of the contribution of redox-active centers via electrochemical in-situ hard XAFS during the 1st and 50th cycles	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	9	BL01B1	Np
467	2025B1905	Investigation of the degradation mechanism of Ir/Mo-doped MnO2 electrocatalysts for oxygen evolution reaction by operando XAFS experiment under H2 gas flow	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	9	BL14B2	Np
468	2025B1906	Unraveling the Kinetics of 2D Magnesium Intercalation in GaN via In-situ Synchrotron X-ray Scattering	Guangxu Ju	Peking University	China	Foreign	Materials Science and Engineering	10	BL13XU	Np
469	2025B1907	Rheological response of colloidal suspensions by biaxial oscillatory rheo-USAXS	Keishi Akada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL19B2	Np
470	2025B1909	Twin locking as a strengthening mechanism in orthorhombic titanium and its unlocking at high temperatures	Naoki Nohira	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL16XU-P	Np
471	2025B1911	Analysis of Mo, W, and V Species in the Redox Cycle of Paddy Soil and Elucidation of Their Effects on Nitrogen Fixation	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	6	BL01B1	Np
472	2025B1912	Investigation on the fine structure of cobalt oxide nanoparticles in suspended catalytic reactant solution by in-situ XAFS and in-situ IR measurement	Kazuhiko Maeda	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL14B2	Np
473	2025B1917	Chemical and electronic states of heavily boron-doped amorphous carbon studied by micro hard x-ray photoemission spectroscopy	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	5.5	BL09XU	Np
474	2025B1918 *	Towards Understanding the Mechanism of Thermal Conductivity in Fe_2VAl-based Heusler Compounds: MEM X-ray Analysis and High-Temperature Structural Studies	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
475	2025B1920	In situ Dynamic Carburization on Surface of CoNi catalyst Significantly boosts Reverse Water Gas Shift Reaction	Dongshuang Wu	Nanyang Technological University	Singapore	Foreign	Chemical Science	6	BL46XU	Np
476	2025B1921	Elucidation of the operating mechanism and degradation mechanism of MFM-type resistive change memory using ferroelectric AlScN with voltage-applied AR-HAXPES	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	5.125	BL09XU	Np
477	2025B1922 *	Electronic Structure Analysis of Fe_2VAl-based Heusler Compounds via HAXPES towards Elucidating the Thermal Conductivity Control Mechanism	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
478	2025B1946	(III) Observation of the surface layer formation process of iridium-based oxides as solid-state macromolecular water electrolysis anode catalysts by in-situ PDF analysis	Yoshinori Ohmasa	Shimane University	Japan	Educational Organization	Materials Science and Engineering	9	BL08W	Np
479	2025B1947	Investigation of the Short- and Medium-Range Structure of Rare-Earth Doped Alkali-Alkaline Earth Silicate Glasses via High-Energy X-ray Pair Distribution Function Analysis	Xingxing Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	9	BL08W	Np

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480	2025B1949	Elucidation of local structure of dilute Pt alloy catalyst nanoparticle in membrane electrode assembly of fuel cell by high energy X-ray total scattering.	Tomoya Uruga	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	6	BL08W	Np
481	2025B1950	Operando high energy X-ray fluorescence spectroscopy on dynamic behavior of cerium radical quencher in polymer electrolyte fuel cells	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL08W	Np
482	2025B1952	Magnetic transition and topological states in Ferrimagnetic graphite	Hiroshi Sakurai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	12	BL08W	Np
483	2025B1953	Time Dynamics of Atomic-Level Local High-Temperature Fields in Solid Catalysts Induced by Microwaves: 2nd trial	Fuminao Kishimoto	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	7	BL08W	Np
484	2025B1965	Impaired myosin mechanosensing in mice with hypertrophic cardiomyopathy	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	5.875	BL40XU	Np
485	2025B1966	Time-resolved rheo-SAXS for shear-induced rheological and structural behavior of superlubric polymer brush modified nanoparticles	Hikaru Okubo	Yokohama National University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
486	2025B1972	Micro midinfrared spectroscopy of possible cometary dust particles recovered from Antarctic snow (4)	Takaaki Noguchi	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	5.875	BL43IR	Np
487	2025B1973	Nano FT-IR measurement for nanometer-scale mapping of CI chondrite	Takaaki Noguchi	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	0.875	BL43IR	Np
488	2025B1974 *	Proton-molecular dynamics in organic anti-ferroelectrics by using microspectroscopy from far-infrared to near-infrared regions	Noriaki Kida	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL43IR	Np
489	2025B1975	Analysis of PCR Materials Derived from Contact Lens Cases toward Resource Circulation	Eri Ito	Menicon Co., Ltd.	Japan	Industry	Environmental Science	6	BL43IR	Np
490	2025B1976	Correlation between Infrared Vibrational Peaks and Brillouin Peaks in Alkali Silicate Glasses	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	2.875	BL43IR	Np
491	2025B2034	Probing Correlated Disorder in Thermoelectric AB2X2 Zintl Phases via Diffuse Scattering	Jiawei Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	9	BL02B1	Np
492	2025B2035	Study on structure-selectivity relationship of groundbreaking bimetallic catalysts for highly selective and one-pot synthesis of rare sugars from naturally occurring sugars	Mizuho Yabushita	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
493	2025B2036	Elucidation of the local structure of alloy Pt17 cluster during oxygen reduction electrocatalytic reaction	Tokuhisa Kawawaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL14B2	Np
494	2025B2038	High-Resolution Powder X-ray Diffraction Study on Solid-Solution Formation in Multicomponent Covalent Organic Frameworks (COFs)	Mitsuharu Suzuki	The University of Osaka	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
495	2025B2040	Elucidation of the reaction mechanism of the reverse water gas shift for Yolk-shell Ni/CeTi catalysts	Jiayi Tang	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	12	BL46XU	Np
496	2025B2041	Spectroscopic Verification of Anomalous Low-Valence States in YO and ZrO Thin Films Realized by Epitaxial Strain	Hiroshi Kumigashira	Tohoku University	Japan	Educational Organization	Chemical Science	9	BL09XU	Np
497	2025B2046	The investigation of the bias-dependant band structure alignment in 2D van der Waals heterostructure	Chao Tang	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL09XU	Np
498	2025B2047	Elucidation of ORR Ultra-Durability Mechanism through Electronic Structure Analysis of Pt/FTO–HCC by the Dip-and-Pull Method	Docheon Ahn	Pohang Accelerator Laboratory	Korea	Foreign	Materials Science and Engineering	9	BL46XU	Np
499	2025B2049	Analysis of local structure of hazardous metal adsobents by XAFS (5)	Susumu Watanabe	Daicel Corporation	Japan	Industry	Environmental Science	3	BL14B2	Np
500	2025B2050	Evaluation of the phase transition behavior of semiconductor coordination polymers with various mixing ratios	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
501	2025B2051	Evaluation of the melting behavior of semiconductor coordination polymers	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
502	2025B2052	Analysis of Nitric Oxide Reduction Reaction under Coexisting Reducing Gas on Supported Novel Metal Catalysts with Different Particle Sizes by Simultaneous XAFS, FT-IR and Mass Spectrometry Measurements	Hirona YAMAGISHI	CATALER Corporation.	Japan	Industry	Industrial Applications	12	BL01B1	Np

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503	2025B2053	XAFS analysis for cluster catalysts with high hydroformylation performance	Yuki Nakaya	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	3	BL14B2	Np
504	2025B2054	Elucidation of co-catalytic function of Au nanoparticle loaded on photo-catalysts surface using resonant hard x-ray photoelectron spectroscopy and absorption spectroscopy	Tomoko Yoshida	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL09XU	Np
505	2025B2056	Single-crystal X-ray diffraction and valence electron density observation at the undulator beamline	Shunsuke Kitou	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	4.5	BL05XU	Np
506	2025B2057	Interfacial structure of organic molecules-modified Pt electrode activating the oxygen reduction reaction	Masashi Nakamura	Chiba University	Japan	Educational Organization	Chemical Science	8.625	BL13XU	Np
507	2025B2059	Realization of quantum critical point in polar-metal	Takayuki Nagai	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
508	2025B2063	Analysis of Reaction Distribution in Battery Electrode by Full-Field XAFS Imaging at Low Temperature	Misaki Katayama	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	5.875	BL01B1	Np
509	2025B2064	Dimension-Controlled Assembly of π-Electronic Cations That Have No Fourfold Symmetry	Hiroki Horita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
510	2025B2065	Tracking Analysis for Structural Changes in Active Sites of Iron-Based Ammonia Decomposition Catalysts Using Operando XAFS	Katsutoshi Sato	Nagoya University	Japan	Educational Organization	Industrial Applications	6	BL01B1	Np
511	2025B2067	Elucidation of components' synergies in the redox behavior of Ce-based multinary oxides using operando XANES-TPR technique	Shinya Furukawa	The University of Osaka	Japan	Educational Organization	Chemical Science	8.625	BL14B2	Np
512	2025B2068	Elucidation of the Mechanisms for Extended Cycle Life and Self-Discharge Suppression in Secondary Batteries Using Styrene-Acrylic Rubber Binders Copolymerized with Acrylonitrile by Hard X-ray Photoelectron Spectroscopy	Shinichi Komaba	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	13	BL46XU	Np
513	2025B2069	Real-space mapping of superatomic orbitals in gold clusters via CDFS analysis toward an orbital-engineering-based theoretical framework for superatomic materials.	Hikaru Takaya	TEIKYO University of Science	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
514	2025B2074	XAFS analysis of the electronic structure of bimetallic catalysts and elucidation of the mechanism of unactivated C–O/N bond cleavage	Xiongjie Jin	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL14B2	Np
515	2025B2075	Elucidation of the structure-electrochemistry relationship of the oxyfluoride perovskite with 4d transition metal elements as a positive electrode for all-solid-state fluoride-ion batteries	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
516	2025B2077	Structural Analysis of Oxide-modified Ni Nanoparticles Encapsulated in Silica Hollow Spheres Using Operando XAFS/XRD	Yasutaka Kuwahara	The University of Osaka	Japan	Educational Organization	Chemical Science	8.125	BL01B1	Np
517	2025B2078	Development of in situ synchrotron powder XRD techniques under controlled oxygen partial pressure at high temperatures for direct observation of phase stability of functional oxide materials	Shintaro Kobayashi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL13XU	Np
518	2025B2079	In situ structural investigations on responsive pyrazolate peptide frameworks	Javier Lopez	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.625	BL02B2	Np
519	2025B2080	Powder x-ray diffraction experiments on titanite-type oxides to reveal the ferroelastic phase transition mechanism	Tarou Kuwano	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
520	2025B2081	The Origin of Mobility drop in a-IGZO ultra-thin-film transistors (TFTs)	Masatake Tsuji	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
521	2025B2082 *	Design of Ruddlesden-Popper phase layered perovskite ferroelectrics with A-site cation disorder	Wei Yi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
522	2025B2084	X-ray topography observation and defect image simulation of lattice defects in wide bandgap semiconductor crystals	Yongzhao Yao	Mie University	Japan	Educational Organization	Materials Science and Engineering	2	BL16B2-P	Np
523	2025B2086	Beyond average structure – correlated disorder and electron density from single crystal X-ray scattering.	Bo Iversen	University of Aarhus	Denmark	Foreign	Materials Science and Engineering	11.75	BL02B1	Np
524	2025B2088	Investigation on precise structure of layered oxyhalides with large polarization exhibiting a possible Peierls phase transition	Daichi Kato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
525	2025B2090	Facile X-ray Single-Crystal Structural Analysis using Microcrystals of Highly Reactive π-Conjugated Molecules Containing Heavy Main Group Elements	Koh Sugamata	University of Tsukuba	Japan	Educational Organization	Chemical Science	3	BL02B1	Np

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526	2025B2091	Deciphering Oxidation-State Dynamics in Non-Precious OER Catalysts via Ambient-Pressure HAXPES with the Dip-and-Pull Method.	SungJong Yoo	Korea Institute of Science and Technology	Korea	Foreign	Materials Science and Engineering	11.875	BL46XU	Np
527	2025B2092	Operando investigation of flexible porous-coordination-polymer-based soft artificial synapses	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6.625	BL16XU-P	Np
528	2025B2095	Diffuse Scattering and Valence Electron Density Analysis of CuVO3 for Exploring a Quantum Spin-Orbital Liquid State	Takeshi Hara	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
529	2025B2096	Elucidation of the Adsorption and Separation Mechanism of a Flexible Porous Coordination Polymer with Excellent C_3 Gas Separation Performance by In Situ Single-Crystal X-ray Diffraction	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL02B1	Np
530	2025B2097	Mechanistic Study on C_3 Gas Adsorption and Separation in a Flexible Metal–Organic Framework with Exceptional Selectivity	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
531	2025B2099	Understanding the formation process of anisotropic 1D helical superlattices of nanoplates through self-assembly in solution using in situ SAXS	Masaki Saruyama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
532	2025B2109	Determination of valence state of Mo and W ions in giant negative thermal expansion materials	Masaki Azuma	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
533	2025B2110	In situ XAFS measurement for synergistic H2 adsorption on metal complex–polyoxometalate composite in porous crystals	Haru Hirai	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	8.875	BL14B2	Np
534	2025B2113	In-situ XAFS Analysis of Highly Active Rh Catalytic Species Generated via Hydrogen Spillover in Solution	Hiroki Miura	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
535	2025B2114	Depth Profile Analysis of Interface between Semiconductor Package Wafer Coating Material and Metal Substrate by Angle-Resolved HAXPES	Takashi Okamoto	Sumibe Research Corporation Ltd.	Japan	Industry	Industrial Applications	5.625	BL46XU	Np
536	2025B2115	XAFS analysis of the electronic and local structures of Au–Pd alloy nanoparticle catalysts formed from Pd complexes and supported Au nanoparticles	Takehiro Matsuyama	Tokyo Metropolitan University	Japan	Educational Organization	Industrial Applications	3	BL01B1	Np
537	2025B2116	Study of metastable novel ternary nitride materials	Suraj Mahato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
538	2025B2118	Relationship between battery characteristics of full cell and crystal/electronic structure of Ti2Nb10O29-based negative electrode materials with high capacity and excellent safety	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
539	2025B2119	Structural analysis on carbonate-based coordination polymers showing reversible decarbonation and carbonation	Kentaro Kadota	Kyoto University	Japan	Educational Organization	Chemical Science	5.5	BL02B2	Np
540	2025B2120	Structural analysis of amorphous Li-ionic conductor thin films by total scattering measurements and PDF analysis	Shigeru Kobayashi	The University of Tokyo	Japan	Educational Organization	Industrial Applications	3	BL13XU	Np
541	2025B2124	Understanding strength and deformation behavior of additively manufactured Al-Mg-Gd-Sc-Zr alloy by in-situ XRD/DIC measurement during tensile testing.	Yuki Otani	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	2.875	BL13XU	Np
542	2025B2125	Observation of microstructural changes of raw soy milk during heating using small-angle and ultra-small-angle X-ray scattering	Yasuyuki Maki	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
543	2025B2128	Observation of Structural Change in Novel High-Entropy Intermetallic Nanoparticles under Hydrogen Atmosphere	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	2.5	BL13XU	Np
544	2025B2130	Rapid X-ray Structure Analysis of Microcrystalline Nanocarbons Containing Main Group Elements and Carbocations	Masahiro Hayakawa	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL05XU	Np
545	2025B2134	Investigation of the formation mechanism of unusual high valence states of Ru/Mo in Ru-Mo-co-doped MnO2 catalysts by in-situ XAFS observation	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	8.125	BL14B2	Np
546	2025B2139 *	Rietveld and PDF analysis of quadruple perovskite cobalt oxides exhibiting ferri-magnetism at low temperature	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	2.875	BL02B2	Np
547	2025B2140	Reaction mechanism investigations of post-lithium-ion batteries with multi-electron redox-active two-dimensional layered metal-organic frameworks as cathodes via XAFS analysis	Katsuhiro Wakamatsu	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	9	BL14B2	Np
548	2025B2142	In-situ synchrotron X-ray diffraction under high-temperature tensile stress for shape changeable materials by diffusional transformation	Masaki Tahara	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	5	BL13XU	Np

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549	2025B2143	Dynamic structure analysis of porous coordination polymers showing gate-opening gas adsorption behavior	Yoshiki Kubota	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
550	2025B2144	Revealing the mechanisim of qunatum critical phenomena of valence fluctuating CeTIn5(T=Rh,Co,Ir) using linearly polarized resonant hard x-ray photoemission	Hidenori Fujiwara	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	13.5	BL09XU	Np
551	2025B2145	Characterization of Heat-Induced Structural Changes in Hair Proteins by Small- and Wide-Angle X-ray Scattering	Kazuki Kobayashi	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	3	BL19B2	Np
552	2025B2146	In-situ observation of photo-induced structural change of layered inorganic ion-exchanger with semiconductor property	Kanji Saito	Akita University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
553	2025B2147	Advancement of Polarization-based Defect Evaluation Technique through Full-wafer Observation of 8-inch SiC by Synchrotron X-ray Topography	Shunta Harada	Nagoya University	Japan	Educational Organization	Industrial Applications	5.875	BL16B2-P	Np
554	2025B2148	In-situ Structural Analysis of Organic Semiconductor Thin-Film Growth by Grazing-Incidence Two-Dimensional X-ray Diffraction	Ryosuke Matsubara	Shizuoka University	Japan	Educational Organization	Materials Science and Engineering	9	BL19B2	Np
555	2025B2151	In-situ powder diffraction and structural change under oxygen absorption and desorption processes in new layered manganese oxides with oxygen storage property	Hiroki Ishibashi	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
556	2025B2153	Exploration of High-Performance Hydrogen Evolution Catalysts through High-throughput Electrochemical Measurement and XRD-XAFS Simultaneous Analysis	Naoto Todoroki	Tohoku University	Japan	Educational Organization	Chemical Science	5.5	BL19B2	Np
557	2025B2158	Structural and Electronic Characterization of an Amorphous Magnonic Metal–Organic Magnet	Jeffrey Long	University of California, Berkeley	USA	Foreign	Materials Science and Engineering	6	BL01B1	Np
558	2025B2159	Quantitative SAXS Analysis of Foam Film Structures Formed by Branched-Chain Sugar-Based Surfactants: Correlation between Foam Position and Drainage Process	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
559	2025B2163	Structural analysis and elucidation of high proton and oxide-ion diffusion mechanism by the structural analysis of high ion conductors with intrinsic oxygen vacancies	Shengqun Su	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	5.5	BL02B2	Np
560	2025B2164	Structural analysis and observation on the formation process of new perovskites BiNi1-xMxO2X	Takumi Nishikubo	Kanagawa Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.5	BL13XU	Np
561	2025B2166	Pressure-induced evolution of novel quantum phases and crystal structure modulation in a spin zigzag chain system	Takahiro Onimaru	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
562	2025B2169	Elucidation of Charge Trap Origins in Ni/SiO_2/AlN/GaN Structures Using Voltage-Applied AR-HAXPES	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL09XU	Np
563	2025B2518	Elucidation of the Structure-Function Relationship of MUT Proteins Involved in DNA Replication, Repair, and Recombination	Kenji Fukui	Nara Women's University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
564	2025B2521	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	1	PX-BL (BL45XU)	Np
565	2025B2522	Structural basis of the genotoxic activity of Saccamycin A	Zhihong Guo	Hong Kong University of Science and Technology	Hong Kong	Foreign	Life Science	0.5	PX-BL (BL45XU)	Np
566	2025B2523	Structural analysis of the inhibition mechanisms of a plant hormone biosynthetic enzyme by its inhibitors	Kohji Murase	Yokohama City University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
567	2025B2524	Elucidation of the molecular recognition mechanism of PFAS by human heart-type FABP	Shigeru Sugiyama	Kochi University	Japan	Educational Organization	Life Science	3.25	PX-BL (BL45XU)	Np
568	2025B2525	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	53.625	PX-BL (BL26B1, BL41XU)	Np
569	2025B2527	Correlation of antigen size, valence, and affinity in antigen-antibody complex formation	Masayuki Oda	Kyoto Prefectural University	Japan	Educational Organization	Life Science	3	PX-BL (BL38B1)	Np
570	2025B2528	ORIGAMI: Establishing a new theory for the emergence of proteins	Saacnicteh Toledo Patino	Okinawa Institute of Science and Technology Graduate University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np

2025B, Performed General Proposals

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or HPCI including the supercomputer Fugaku

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
571	2025B2530	Structural analysis of ubiquitin-chain recognition protein for intracellular degradation	Kei Okatsu	Kyoto University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
572	2025B2531	Structural analysis of chemotactic sensor protein	Rei Tohda	University of Hyogo	Japan	Educational Organization	Life Science	15	PX-BL (EM01CT, EM02CT)	Np
573	2025B2532	Structural analysis of CRISPR-Cas effectors and their associated factors	Tomoyuki Numata	Kyushu University	Japan	Educational Organization	Life Science	24	PX-BL (EM01CT, EM02CT)	Np
574	2025B2533	Crystallographic analysis of antigen-antibody complex to reveal the agonistic activity	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	Np
575	2025B2534	Structural organization of mycobacterial Wag31	Barnali Chaudhuri	CSIR Institute of Microbial Technology	India	Foreign	Life Science	3	PX-BL (BL38B1)	Np
576	2025B2536 *	Structural analysis of proteins involved in iron acquisition and transport system	Hiroshi Sugimoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	26	PX-BL (BL41XU, BL45XU, EM01CT, EM02CT)	Np
577	2025B2538	Structural analysis of human lipocalin-type prostaglandin D synthase (L-PGDS) complexed with Lapatinib	Takashi Inui	Osaka Metropolitan University	Japan	Educational Organization	Life Science	2	PX-BL (BL26B1)	Np
578	2025B2539	Structural Characterization of the FGF21–FGFR2c Complex to Elucidate the Receptor Selectivity of FGF21	Sun-Shin Cha	Ewha Womans University	Korea	Foreign	Life Science	9	PX-BL (BL41XU, EM01CT)	Np
579	2025B2540	Crystal structure analysis of the archaeal proteins homologous to bacterial/eukaryotic dephospho-CoA kinase.	Akiko Kita	Kyoto University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
580	2025B2714	Structural studies of anticancer target proteins in complex with their inhibitor candidates	Hyounsook Kim	National Cancer Center	Korea	Foreign	Life Science	2	PX-BL (BL45XU)	Np
581	2025B2716	Elucidation of catalytic mechanism of a novel L-threonate 3-dehydrogenase	Seiya Watanabe	Ehime University	Japan	Educational Organization	Life Science	2.75	PX-BL (BL45XU)	Np
582	2025B2717	Structural determination of eco-friendly enzymes involved in the sustainability issues.	Min Fey Chek	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
583	2025B2718	X-ray crystallography of proteins involved in intermembrane phospholipid transport and membrane degradation	Yasunori Watanabe	Yamagata University	Japan	Educational Organization	Life Science	1.25	PX-BL (BL32XU)	Np
584	2025B2719	Light-induced structural changes in the anoxygenic photosynthetic reaction center	Michihiro Suga	Okayama University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
585	2025B2720	Structural and functional analysis for harmful mineral transporters from crop plants	Michihiro Suga	Okayama University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
586	2025B2721	Investigations of structure-sweetness relationships on sweet-tasting proteins at an atomic resolution with ambient temperature	Tetsuya Masuda	Ryukoku University	Japan	Educational Organization	Life Science	2	PX-BL (BL26B1)	Np
587	2025B2722	High-resolution structural analysis of engineered ATP synthase by X-ray crystallography and CryoEM for in-function structural analysis	Hiroshi Ueno	The University of Tokyo	Japan	Educational Organization	Life Science	24	PX-BL (EM01CT, EM02CT)	Np
588	2025B2723	Crystal structure analysis of the co-crystal of a highly specific antibody that recognizes the toxic conformation of amyloid β with the antigen	Kazuhiro Irie	Doshisha University	Japan	Educational Organization	Life Science	0.75	PX-BL (BL45XU)	Np
589	2025B2724	Crystallographic study on non-ATP dependent kinases	Masahiro Fujihashi	Kyoto University	Japan	Educational Organization	Life Science	2.25	PX-BL (BL45XU)	Np
590	2025B2725	Structural analysis of the Sec translocon complex and selenium transporters	Tomoya Tsukazaki	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	18	PX-BL (EM01CT)	Np
591	2025B2726	Rapid sample screening for time-resolved structural analysis with a variety of reaction initiation techniques	Takaaki Fujiwara	Tohoku University	Japan	Educational Organization	Life Science	2.5	PX-BL (BL45XU)	Np
592	2025B2727	Alteration of peroxiredoxin assembly by chemical modification	Tomoki Himiyama	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Life Science	2	PX-BL (BL45XU)	Np
593	2025B2728	X-ray crystallography of the nuclear receptor PPAR ligand binding domains in complex with the novel pan-antagonists	Takuji Oyama	University of Yamanashi	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np

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1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
594	2025B2730	Development of Protein Crystal Structure Analysis using Spontaneous Crystallization	Satoshi Abe	Kyoto Prefectural University	Japan	Educational Organization	Life Science	21.5	PX-BL (BL32XU)	Np
595	2025B2731	Analyzing binding networks between anti-freezing proteins and ice by X-ray and neutron crystallography	Toyoyuki Ose	Hokkaido University	Japan	Educational Organization	Life Science	3	PX-BL (BL45XU)	Np
596	2025B2734	Structural basis of the proteins in bacterial environmental response systems	Katsumi Imada	The University of Osaka	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
597	2025B2735	Structural basis of the type V adhesive fimbriae of Bacteroides	Katsumi Imada	The University of Osaka	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
598	2025B2736	Structural principle of modification of fluorescence proteins toward long wavelength fluorescence emission	Katsumi Imada	The University of Osaka	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
599	2025B2738	Elucidation of functions of food and pharmaceutical-related enzymes by X-ray analysis with cryo and room-temperature crystals.	Bunzo Mikami	Kyoto University	Japan	Educational Organization	Life Science	4.625	PX-BL (BL26B1)	Np
600	2025B2739	Understanding Protein-Protein Metal Transfer: Challenges in Structural Analysis of Transient Protein Complex	Norifumi Muraki	Ishikawa Prefectural University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
601	2025B2740	Structural analysis of the precursor tRNA-specific reaction mechanism of tRNA-processing enzymes	Takamasa Teramoto	Kyushu University	Japan	Educational Organization	Life Science	2.25	PX-BL (BL45XU)	Np
602	2025B2741	Molecular mechanism of affinity maturation using anti-NP antibodies and its application to antibody design	Yuya Hanazono	Institute of Science Tokyo	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
603	2025B2742	Crystallographic analysis of redox cofactor functions in cyanobacterial photosystem membrane protein supramolecular complexes	Yoshiki Nakajima	Okayama University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU, BL45XU)	Np
604	2025B2743	Integrative structural biology of filament-like bacterial surface appendages in enteric bacterial pathogens	Shota Nakamura	The University of Osaka	Japan	Educational Organization	Life Science	3	PX-BL (BL45XU)	Np
605	2025B2745	Influence of additive carbon fluorine bonds on transporter binding	Paul Matthay	Okinawa Institute of Science and Technology Graduate University	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
606	2025B2747	Study on substrate recognition and catalytic mechanisms of microbial carbohydrate-active enzymes, binding domains, and biosynthetic enzymes from microorganisms	Shinya Fushinobu	The University of Tokyo	Japan	Educational Organization	Life Science	6	PX-BL (BL45XU)	Np
607	2025B2748	Improvement in data collection environment at MX beamline BL41XU	Naomine Yano	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	56.875	PX-BL (BL41XU)	Np
608	2025B2749	Structural analysis of protein crystals grown in the presence of gadolinium	Makoto Nakabayashi	Osaka Ohtani University	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU, BL45XU)	Np
609	2025B2750	Structural analysis of hydrogenases	Hideaki Ogata	University of Hyogo	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
610	2025B2751	Structural basis for the molecular recognition and a novel oligomerization of Arf-specific guanine nucleotide exchange factor	Shin-ichi Terawaki	Ehime University	Japan	Educational Organization	Life Science	15.5	PX-BL (BL45XU, EM01CT, EM04CT)	Np
611	2025B2755	Solution/crystal structure analysis to elucidate the ordered structure formation mechanism of porous metal-protein supramolecular structures	Satoshi Nagao	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	0.75	PX-BL (BL45XU)	Np
612	2025B2756	Crystallographic study of active transport by ion pumps	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	4.5	PX-BL (BL41XU)	Np
613	2025B2757	Structural biology of human resident bacterial transport systems involved in import of host glycans and iron	Wataru Hashimoto	Kyoto University	Japan	Educational Organization	Life Science	1	PX-BL (BL26B1)	Np
614	2025B2758	Structural analysis for the elucidation of the reaction mechanism of membrane-integrated nitric oxide reductase	Takehiko Tosha	University of Hyogo	Japan	Educational Organization	Life Science	15	PX-BL (BL32XU, EM01CT)	Np
615	2025B2760	Elucidation for the temperature dependence of the structural flexibility of cold-adapted enzymes and the structure-function relationship for functional enzymes from plants	Masaki Horitani	Saga University	Japan	Educational Organization	Life Science	11	PX-BL (BL26B1, BL45XU)	Np
616	2025B2761	Structure Analysis of Plant Proteins with Artificial Compounds that Regulate Plant Development	Shuhei Kusano	RIKEN	Japan	National and Nonprofit Organization	Life Science	2	PX-BL (BL45XU)	Np

2025B, Performed Proprietary 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)/Quasi-Proprietary(Qp)
1	2025B1039	SAXS Study of Li-ion Battery	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	24	BL03XU-P	P
2	2025B1040	High energy XRD measurement for inorganic compounds	Yu Fujiki	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	3	BL04B2	P
3	2025B1041	X-ray total scattering of amorphous materials	Yuki Oba	FUJIFILM Corporation	Japan	Industry	Industrial Applications	2.625	BL04B2	P
4	2025B1042	X-ray imaging	Shino Isaji	Toyota Motor Corporation	Japan	Industry	Industrial Applications	4	BL05XU	P
5	2025B1043	Magnetic Characterization of Ferrite Magnets Using Circularly Polarized Photoelectron Microscopy	Masashi Fujii	Proterial, Ltd.	Japan	Industry	Materials Science and Engineering	3	BL17SU	P
6	2025B1044	3D observation of precision machinery	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Other	1.875	BL20B2	P
7	2025B1045	Evaluation of the mechanism of embolic materials in a rabbit ear inflammation model	Akira Yamamoto	Kawasaki Medical School	Japan	Educational Organization	Medical Applications	2	BL20B2	P
8	2025B1046	Observation of Zirconia Ceramics by Multiscale X-ray CT	Kenta Kawamura	TOSOH CORPORATION	Japan	Industry	Materials Science and Engineering	2	BL20XU	P
9	2025B1047	3D observation of precision devices	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	6	BL20XU	P
10	2025B1048	Visualization of the reaction state inside a rechargeable battery by X-ray CT	kenji Kouno	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	3	BL20XU	P
11	2025B1049	Structural analysis of sulfur-based solid electrolytes using XRD-CT and nano-CT	Naoki Koshitani	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	4	BL20XU	P
12	2025B1050	X-ray Imaging Study of Li-ion Battery	Naoto Onodera	Prime Planet Energy & Solutions, Inc.	Japan	Industry	Industrial Applications	6	BL20XU	P
13	2025B1051	Three-dimensional structural analysis of electronic components by X-ray imaging method	Naoki Koshitani	Murata Manufacturing Co., Ltd.	Japan	Industry	Materials Science and Engineering	4	BL20XU	P
14	2025B1052	X-ray Imaging Study of Li-ion Battery	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	22	BL20XU	P
15	2025B1053	Observation of LiB anode material particle structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	3	BL20XU	P
16	2025B1054	Non-destructive observation of internal structure of engineering ceramics using SR-CT(3)	Ryo Oosone	KYOCERA Corporation	Japan	Industry	Industrial Applications	3	BL20XU	P
17	2025B1055	Analysis of the internal structure of coatings and zeolite aggregates using synchrotron X-ray multiscale CT	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	2	BL20XU	P
18	2025B1056	Morphology observation of All-Solid-State batteries in charge and discharge process using nano-CT	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	2	BL20XU	P
19	2025B1057	Morphology observation of particles in active materials for liquid-typed Lithium-ion battery using nano-CT	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	2	BL20XU	P
20	2025B1058	Morphology observation of particles in active materials for liquid-typed Lithium-ion battery using nano-CT (Part II)	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	2	BL20XU	P
21	2025B1059	X-ray CT measurement of composite materials	Tatsuya Miyajima	AGC Inc.	Japan	Industry	Industrial Applications	1	BL20XU	P
22	2025B1060	Observation of LiB anode material particle structure	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	3	BL20XU	P
23	2025B1061	Analysis of transmission sliding surfaces	Naoko Takahashi	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	3	BL27SU	P
24	2025B1062	XAFS Study of Li-ion Battery Materials	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	1	BL27SU	P
25	2025B1063	3D observation of precision machinery	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	9	BL28B2	P

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26	2025B1064	Observation of LiB anode material fine structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	3	BL28B2	P
27	2025B1065	Observation of LiB internal structure during charging and discharging	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	6	BL28B2	P
28	2025B1066	Observation of Li Deposition and Stripping Behavior in Anode-Free Batteries	Kyohei Izumi	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	6	BL28B2	P
29	2025B1067	3D measurement of batteries	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Materials Science and Engineering	3	BL28B2	P
30	2025B1068	Investigating the redox mechanism of next-generation battery materials	SeHui Sohn	LG Chem	Korea	Foreign	Industrial Applications	3	BL36XU	P
31	2025B1069	Analysis of Fuel Cells	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	2	BL37XU	P
32	2025B1070	Full-field microscopic spectral analysis of electrochemical cells	Ryusei Sakai	DENSO CORPORATION	Japan	Industry	Industrial Applications	4	BL37XU	P
33	2025B1071	X-ray Imaging Study of Li-ion Battery	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	12	BL37XU	P
34	2025B1072	TXM-XAFS Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	12	BL37XU	P
35	2025B1073	Element distribution analysis of optical fiber using μ-XRF	Shinsuke Nishida	Furukawa Electric Co., Ltd.	Japan	Industry	Industrial Applications	2	BL37XU	P
36	2025B1074	Two-Dimensional and Three-Dimensional XAFS Mapping for Elucidation of the Oxidation State of Iron in Spherical Oxidation Reaction Catalysts	Hironobu Oki	Asahi Kasei Corporation	Japan	Industry	Chemical Science	3	BL37XU	P
37	2025B1075	HERFD-XANES Study of Valence States of Trace Transition Elements in Dielectris for MLCCs in a different atmosphere	Wakiko Yamaoka	TDK Corporation	Japan	Industry	Industrial Applications	6	BL39XU	P
38	2025B1076	Chemical state analysis of Pt in silicone resin by HERFD-XAFS	Shinsuke Nishida	Furukawa Electric Co., Ltd.	Japan	Industry	Industrial Applications	2	BL39XU	P
39	2025B1077	HERFD-XAS Study on Tantalum Compounds	Katsuya Ichiki	Mitsui Mining & Smelting Co., Ltd.	Japan	Industry	Industrial Applications	2	BL39XU	P
40	2025B1078	Electronic structure analysis of PEM water electrolysis catalysts by HERFD-XAFS	Taishi Fukazawa	Toshiba Corporation	Japan	Industry	Industrial Applications	2	BL39XU	P
41	2025B1079	Analyses of additive elements on BaTiO3-based ceramics using HERFD-XAS	Kiyotaka Tanaka	Samsung Japan Corporation	Japan	Industry	Materials Science and Engineering	3	BL39XU	P
42	2025B1080	Small and wide angle X-ray scattering studies of structure of fluororesins	Toshiyuki Fukushima	DAIKIN INDUSTRIES, LTD.	Japan	Industry	Materials Science and Engineering	2	BL40B2	P
43	2025B1081	Crystallinity analysis of fiber in resin	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	3	BL40XU	P
44	2025B1082	Crystallinity analysis of fiber in resin	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	3	BL40XU	P
45	2025B1083	Analysis of Heterogeneous Structures in Polypropylene Films	Akinori Bando	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	1	BL40XU	P
46	2025B1084	3D Structural Evaluation of Resin-Inorganic Composite Materials Using X-ray CT	Mami Mizukami	Resonac Corporation	Japan	Industry	Industrial Applications	1	BL47XU	P
47	2025B1085	Three-dimensional structural analysis of resins using X-ray CT	Sho Ito	DIC Corporation	Japan	Industry	Industrial Applications	1	BL47XU	P
48	2025B1086	Observation of the internal structure of a sample	Kana Nanai	Foundation for Promotion of Material Science and Technology of Japan	Japan	National and Nonprofit Organization	Industrial Applications	1	BL47XU	P
49	2025B1087	Visualization of the internal structure of polymer materials	Kosuke Yamazoe	Ajinomoto Co., Inc.	Japan	Industry	Industrial Applications	2	BL47XU	P

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50	2025B1088	3D observation of precision devices	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	6	BL47XU	P
51	2025B1089	3D structure observation of carbon materials	Hideaki Yoshino	NIPPON STEEL Chemical & Material Co., Ltd.	Japan	Industry	Industrial Applications	2	BL47XU	P
52	2025B1090	Structural evaluation of resins	Yu Ogura	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL47XU	P
53	2025B1091	Morphology observation of deposited Li on metallic Li using X-ray CT (6)	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	2	BL47XU	P
54	2025B1092	A HAXPES study on semiconductor6	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL09XU	P
55	2025B1093	Study on the electronic state of inorganic semiconductor materials	Tatsuya Kitazawa	Sony Semiconductor Solutions Corporation	Japan	Industry	Industrial Applications	6	BL09XU	P
56	2025B1094	Electronical state analysis of semiconductor materials	Takaki Hatsui	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	3	BL09XU	P
57	2025B1095	Quantification of mixed sp2-sp3 hybridised ratios in carbon allotropes.	Jochi Tseng	Nanyang Technological University	Singapore	Foreign	Materials Science and Engineering	3	BL13XU	P
58	2025B1096	XAFS analysis of the IrMn catalyst structure during water electrolysis	Ryo Hashimoto	TOSOH Analysis and Research Center Co., Ltd.	Japan	Industry	Chemical Science	1	BL14B2	P
59	2025B1097	Analysis of local structure of positive electrodes in secondary battery using XAFS (part II)	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	3	BL14B2	P
60	2025B1098	Internal visualisationt of electrification components by high-energy high-brilliance synchrotron radiation x-ray CT 3	Hidehiko Kimura	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	4	BL15XU-P	P
61	2025B1099	Analysis of Threading Dislocation Types in GaN Crystals and GaN Devices on Heterogeneous Substrates	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1	BL16B2-P	P
62	2025B1100	Topography measurement for 4H-SiC with CMOS camera(BL16)	Isaho Kamata	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Industrial Applications	1	BL16B2-P	P
63	2025B1101	Pair distribution function analysis of amorphous thin films from grazing-incidence X-ray total scattering	Aya Miyake	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	3	BL16XU-P	P
64	2025B1102	Evaluation of hierarchical structure and dispersion of filler in rubber using synchrotron radiation X-ray	Akari Hashimoto	Toyo Tire Corporation	Japan	Industry	Industrial Applications	3	BL19B2	P
65	2025B1103	Structural analysis of R&D products by SAXS	Hiroki Ooe	Shin-Etsu Chemical Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
66	2025B1104	Structural Analysis of filler composite by USAXS	Seisuke Inada	Sekisui Chemical Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
67	2025B1105	USAXS measurement	Kazuhiko Komori	SPring-8 Service Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
68	2025B1106	Analysis of dispersion sate of Ni nanoparticles in mist by small angle X-ray scattering	Tomohiro Ishii	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	3	BL19B2	P
69	2025B1107	Small angle scattering measurement of polymers under stress II	Shugo Ikeda	University of Hyogo	Japan	Educational Organization	Industrial Applications	4	BL19B2	P
70	2025B1108	AP-HAXPES analysis of transmission sliding surfaces	Naoko Takahashi	Toyota Central R&D Labs., Inc.	Japan	Industry	Other	2	BL46XU	P
71	2025B1109	Electronic structure analysis of catalysts by HAXPES measurements	Taishi Fukazawa	Toshiba Corporation	Japan	Industry	Industrial Applications	2	BL46XU	P
72	2025B1110	High Energy HAXPES measurement	Kazuhiko Komori	SPring-8 Service Co., Ltd.	Japan	Industry	Industrial Applications	1	BL46XU	P
73	2025B1768	In stu XRD measurement of new materials	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	6	BL02B2	P
74	2025B1769	Crystal structure analyses of BaTiO3-based powder using synchrotron X-ray diffraction	Kiyotaka Tanaka	Samsung Japan Corporation	Japan	Industry	Materials Science and Engineering	1	BL02B2	P

2025B, Performed Proprietary 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)/Quasi-Proprietary(Qp)
75	2025B1770	A HAXPES study on semiconductor6	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL09XU	P
76	2025B1771	Analysis of electronic state of inorganic semiconductors by hard x-ray photoelectron spectroscopy	Takaki Hatsui	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	9	BL09XU	P
77	2025B1772	Stress measurement of multilayer chip capacitors	Wakiko Yamaoka	TDK Corporation	Japan	Industry	Industrial Applications	3	BL13XU	P
78	2025B1773	Synchrotron XRD measurement of battery materials	Tetsuya Ueno	TDK Corporation	Japan	Industry	Industrial Applications	3	BL13XU	P
79	2025B1774	X-ray diffraction measurement of thin films during heat treatment	Akane Horiguchi	Proterial, Ltd.	Japan	Industry	Industrial Applications	2	BL13XU	P
80	2025B1775	EXAFS analysis of ordering mechanism in Fe-Co alloy	Takamasa Sato	Daido Steel Co., Ltd.	Japan	Industry	Materials Science and Engineering	1	BL14B2	P
81	2025B1776	Internal visualization of electrification components by high-energy high-brilliance synchrotron radiation x-ray CT 4	Kazuhisa Isegawa	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	4	BL15XU-P	P
82	2025B1777	X-ray topography analysis of compound semiconductors	Keiji Kuno	DENSO CORPORATION	Japan	Industry	Industrial Applications	3	BL16B2-P	P
83	2025B1778	X-ray topography analysis	Takeshi Miyamoto	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	1	BL16B2-P	P
84	2025B1779	Evaluation of shell thickness of core shell nano particles by ASAXS	Tomohiro Takeshita	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	1	BL19B2	P
85	2025B1780	Small angle scattering measurement of polymers under stress III	Shugo Ikeda	University of Hyogo	Japan	Educational Organization	Industrial Applications	2	BL19B2	P
86	2025B1781	High-precision powder X-ray diffraction measurement	Kenta Kozakai	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Medical Applications	1	BL19B2	P
87	2025B1782	Evaluation of micelles by small angle x-ray scattering	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Medical Applications	1	BL19B2	P
88	2025B1783	Evaluation of the internal structure of nanocomposite materials by USAXS	Yuuichi Kondou	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	0.875	BL19B2	P
89	2025B1784	Measurement of chemical states of coatings by hard X-ray photoelectron spectroscopy	Kazuma Akikubo	IHI Corporation	Japan	Industry	Industrial Applications	3	BL46XU	P
90	2025B1998	Crystal structure analyses of dielectric powder using synchrotron X-ray diffraction	Kiyotaka Tanaka	Samsung Japan Corporation	Japan	Industry	Materials Science and Engineering	4	BL02B2	P
91	2025B1999	A HAXPES study on semiconductor6	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	2	BL09XU	P
92	2025B2000	Electronic structure analysis of semiconductor materials using HAXPES	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Materials Science and Engineering	1	BL09XU	P
93	2025B2001	Angle-resolved HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Materials Science and Engineering	3	BL09XU	P
94	2025B2002	Analysis of electronic state of inorganic semiconductors by hard x-ray photoelectron spectroscopy	Takaki Hatsui	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	5	BL09XU	P
95	2025B2004	HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Materials Science and Engineering	1	BL09XU	P
96	2025B2005	Evaluation of residual strain in high temperature superconductor thin films	Shinji Fujita	Fujikura Ltd.	Japan	Industry	Industrial Applications	6	BL16XU-P	P
97	2025B2006	Operando XRD Characterization of AgLi Alloy Phase Evolution in Anode-Free Lithium Batteries	Kyohei Izumi	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	6	BL13XU	P
98	2025B2007	Synchrotron XRD measurement of battery materials	Tetsuya Ueno	TDK Corporation	Japan	Industry	Industrial Applications	1	BL13XU	P
99	2025B2008	Synchrotron XRD measurement for dielectric materials	Yuya Kasamura	Panasonic Industry Co., Ltd.	Japan	Industry	Industrial Applications	1	BL13XU	P

2025B, Performed Proprietary 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)/Quasi-Proprietary(Qp)
100	2025B2009	X-ray diffraction measurement of ceramics during heat treatment	Akane Horiguchi	Proterial, Ltd.	Japan	Industry	Industrial Applications	3	BL02B2	P
101	2025B2010	X-ray diffraction measurement on precipation of tramp elements in steel at high temperature	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	6	BL16XU-P	P
102	2025B2011	Structure analysis of selenium species sorbed on barrier material	Manami Hieda	Kyuden Sangyo Co., Inc	Japan	Industry	Industrial Applications	2	BL14B2	P
103	2025B2012	A Study on Ion Adsorption States on Metal Nanoparticle Surfaces in Aqueous Solution	Kenta Kakitani	Mitsubishi Heavy Industries, Ltd.	Japan	Industry	Chemical Science	3	BL14B2	P
104	2025B2013	Internal visualization of electrification components by high-energy high-brilliance synchrotron radiation x-ray CT 5	Kazuhisa Isegawa	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	4	BL15XU-P	P
105	2025B2014	X-ray topography analysis	Tetsuji Fujimoto	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	1	BL16B2-P	P
106	2025B2015	X-ray section topography analysis of compound semiconductors	Keiji Kuno	DENSO CORPORATION	Japan	Industry	Industrial Applications	3	BL16B2-P	P
107	2025B2016	Topography measurement for 4H-SiC with CMOS camera(BL16)	Isaho Kamata	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Industrial Applications	1	BL16B2-P	P
108	2025B2017	Evaluation of the threading dislocations in GaN substrates by X-ray topography	Masakazu Kanechika	Nagoya University	Japan	Educational Organization	Industrial Applications	1	BL16B2-P	P
109	2025B2018	Structural analysis of R&D products by SAXS	Hiroki Ooe	Shin-Etsu Chemical Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
110	2025B2019	Structural Analysis of Cycloolefin Copolymers Using USAXS	Suzunosuke Shimomura	Kitanihon Electric Cable Co,Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
111	2025B2020	Structure determination of pharmaceutical compounds and physicochemical investigation of active pharmaceutical ingredients in formulations	Shinya Sato	Daiichi Sankyo Co., Ltd.	Japan	Industry	Life Science	1	BL19B2	P
112	2025B2021	SAXS measurement of quantum devices	Hirokazu Sasaki	Furukawa Electric Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
113	2025B2022	Small angle scattering measurement of polymers under stress Ⅳ	Shugo Ikeda	University of Hyogo	Japan	Educational Organization	Industrial Applications	4	BL19B2	P
114	2025B2024	Near ambient pressure HAXPES of water electrolysis catalyst	Tomohiro Sakata	Toray Research Center, Inc.	Japan	Industry	Industrial Applications	10.25	BL46XU	P
115	2025B2025	Evaluation of metal and semiconductor-related materials using high-energy HAXPES	Shinya Otomo	Furukawa Electric Co., Ltd.	Japan	Industry	Industrial Applications	2.75	BL46XU	P
116	2025B2501	Structural analysis of protein and ligand/protein complex for drug discovery	Tsubasa Hashimoto	CHUGAI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	6.25	PX-BL (BL45XU)	P
117	2025B2502	Structure analysis of complex of disease related proteins and their regulatory compounds	Yasushi Amano	Astellas Pharma Inc.	Japan	Industry	Life Science	3	PX-BL (BL45XU)	P
118	2025B2503	Structural Biology of Protein-Ligand complex for Drug Discovery	Shiho Yamamoto	Shionogi & Co., Ltd.	Japan	Industry	Life Science	1.5	PX-BL (BL45XU)	P
119	2025B2504	X-ray crystallography for disease-related proteins	Akinori Yamasaki	Nippon Shinyaku Co., Ltd.	Japan	Industry	Life Science	2	PX-BL (BL45XU)	P
120	2025B2506	Crystal structure analysis of complexes between drug target proteins and drug candidate compounds	Ikuko Miyaguchi	PRISM BioLab Co.,Ltd.	Japan	Industry	Industrial Applications	3.5	PX-BL (BL45XU)	P
121	2025B2507	Macromolucule protein crystals for data collection	Wang Cheng	Wuxi Biortus Biosciences Co. Ltd	China	Foreign	Industrial Applications	16.25	PX-BL (BL45XU)	P
122	2025B2509	Structural analysis of disease-related protein	Rie Omi	ONO PHARMACEUTICAL CO., LTD.	Japan	Industry	Life Science	0.75	PX-BL (BL45XU)	P
123	2025B2510	Structural insights into the antibody/antigen complex	Jian Sun	BeiGene Ltd.	China	Foreign	Life Science	3	PX-BL (BL45XU)	P
124	2025B2512	Structure analysis of proteins related to disease	Yuichiro Nakaishi	Otsuka Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	3	PX-BL (BL45XU)	P

2025B, Performed Proprietary 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)/Quasi-Proprietary(Qp)
125	2025B2513	Structural analysis of disease-related proteins for drug discovery	Daiki Kato	Asahi Kasei Pharma Corporation	Japan	Industry	Industrial Applications	31.75	PX-BL (BL45XU, EM01CT)	P
126	2025B2514	Structural determination of target proteins for medical product development	Norie Fujikawa	Mitsubishi Tanabe Pharma Corporation	Japan	Industry	Life Science	3	PX-BL (BL45XU)	P
127	2025B2515	X-ray crystallography of disease-related proteins	Yuuji Kado	Meiji Seika Pharma Co., Ltd.	Japan	Industry	Industrial Applications	0.5	PX-BL (BL45XU)	P
128	2025B2516	Protein structure analysis by SAXS	Naoki Fujisawa	Eisai Co., Ltd.	Japan	Industry	Life Science	0.5	PX-BL (BL38B1)	P
129	2025B2517	Structure analysis of proteins related to disease	Noritaka Furuya	KISSEI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	2.25	PX-BL (BL45XU)	P
130	2025B2701	Crystal structure analysis of drug discovery target proteins	Hiroki Omura	Axcelead Tokyo West Partners, Inc.	Japan	Industry	Industrial Applications	1.75	PX-BL (BL45XU)	P
131	2025B2702	Data collection on protein crystals for structure based drug design	Fan Jiang	Viva Biotech (Shanghai) Ltd.	China	Foreign	Life Science	12.5	PX-BL (BL45XU)	P
132	2025B2703	Crystal structure analysis of target proteins in complex with drug candidate	Masashi Mima	Taisho Pharmaceutical Holdings Co., Ltd.	Japan	Industry	Life Science	1.5	PX-BL (BL45XU)	P
133	2025B2705	X-ray crystallography of protein-ligand complex (2025A)	Hikaru Shimizu	PeptiDream Inc.	Japan	Industry	Life Science	1	PX-BL (BL45XU)	P
134	2025B2706	X-ray or Cryo-EM structure determination of the protein with compound	Tsuyoshi Adachi	Japan Tobacco Inc.	Japan	Industry	Industrial Applications	1.5	PX-BL (BL45XU, BL32XU)	P
135	2025B2707	Data collection for protein crystals and Structural determination of target proteins for drug discovery	Ping Huang	Pharmaron Beijing Co., Ltd.	China	Foreign	Life Science	3.75	PX-BL (BL45XU)	P
136	2025B2708	Structural analysis of the therapeutic target proteins or nucleic acids with its ligands	Satoshi Sogabe	Axcelead Drug Discovery Partners Inc.	Japan	Industry	Industrial Applications	0.25	PX-BL (BL45XU)	P
137	2025B2709	X-ray crystallography of pesticide-target proteins	Kunio Ido	Sumitomo Chemical Company, Limited	Japan	Industry	Life Science	1.5	PX-BL (BL45XU)	P
138	2025B2711	X-ray crystallography of drug-related proteins	Tatsuya Suzuki	Taiho Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	3	PX-BL (BL45XU)	P
139	2025B2712	Evaluation of the Protein Crystals under Microgravity by Synchrotron Radiation	Momi Iwata	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Life Science	2.5	PX-BL (BL45XU)	P

2025B, Performed Graduate Student Proposal

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or HPCI including the supercomputer Fugaku

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
1	2025B1674	Microscopic XRF analysis of self-healing reactions of organic–inorganic perovskite photocatalysts	Aito Takeuchi	Kobe University	Japan	Educational Organization	Chemical Science	6	BL37XU	Np
2	2025B1675	Exploring the charge ordering state under high pressure in LiV2O4 which has the heavy fermion state	Masatoshi Emi	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
3	2025B1676	"Higher-Order Structural Analysis of Frank–Kasper Phase-Forming Triblock Copolymers: Elucidating Correlations with Temperature and Time-Dependent Evolution by SAXS"	Ryota Uehara	Institute of Science Tokyo	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
4	2025B1677	Elucidation of Solvation Structure in Organic Electrolytes Containing Anions and Cations and Its Correlation with Macroscopic Properties	Fumitoshi Sugino	Chiba University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
5	2025B1678 *	Elucidation of the anomalous thermal expansion properties of ZrH3 under high-pressure and high-temperature conditions	Masahiro Takano	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
6	2025B1679	Structure of carboxymethylcellulose with amphiphilic counterions in organic solution	Can Hou	RWTH Aachen University	Germany	Foreign	Chemical Science	6	BL40B2	Np
7	2025B1680	Origin of the hollow-triangular diffuse scattering in LuNb6Sn6	Saizheng Cao	Zhejiang University	China	Foreign	Materials Science and Engineering	15	BL35XU	Np
8	2025B1682	In-situ time-resolved X-ray diffraction measurement during high-pressure ramp heating experiment on hexagonal close packed iron–light element alloys, investigating their superionic transition and the superionicity of the inner core	Yusuke Okazaki	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	5.875	BL10XU	Np
9	2025B1683	Elucidation of mechanism of negative thermal expansion in coordination polymer glass	Taichi Nishiguchi	Kyoto University	Japan	Educational Organization	Chemical Science	8.875	BL04B2	Np
10	2025B1684	Unveil the Mechanism of Light-Induced Surface Amorphization of Perovskite Nanocrystals	Kejie Huang	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np
11	2025B1687	Investigation of the phase stability and phase relation of novel silicon-rich Ru-Si high-pressure phase under high pressure and high temperature	Takumi Kitahara	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
12	2025B1688	Semiconductive Dimension-Controlled Assembly of π-Electronic Ion Pairs That Form Radical Pairs via Electronic Transfer	Yuto Maruyama	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
13	2025B1689	Exploring superionic AlOOH-FeOOH solid solutions in the conditions of Earth's interior	Qingchun Zhang	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
14	2025B1690	Development of dynamic vector radiography with a two-dimensional Talbot interferometer.	Yichen Fang	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL28B2	Np
15	2025B1691	In situ deformation experiments of ringwoodite under the pressure-temperature conditions of slabs subducted into the uppermost lower mantle	Kohei Matsuda	Ehime University	Japan	Educational Organization	Earth and Planetary Science	3	BL15XU-P	Np
16	2025B1693	Commonality of soft-phonon CDW formation in AV3Sb5 (A=K,Rb,Cs)	Yifan Wang	Zhejiang University	China	Foreign	Materials Science and Engineering	11.875	BL35XU	Np
17	2025B1694	Probing Pressure-Induced Superconductivity and Structural Evolution in CeCoGe	Kaixin Ye	Zhejiang University	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
18	2025B1695	Synchrotron radiation-based X-ray μ-CT analyses on fossilized dental tissues addresses the adaptation to herbivory among the iguanodontians (Dinosauria, Ornithopoda)	Tasuku Kochi	Fukui Prefectural University	Japan	Educational Organization	Life Science	6	BL28B2	Np
19	2025B1697	Flow-Induced Gelation and Relaxation Dynamics of Nanoparticle-Polymer Suspensions by Simultaneous Rheological and X-ray Scattering Measurements	Shunsuke Sato	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	11.5	BL40XU	Np
20	2025B1698	Altermagnetism in correlated materials: study of doped FeSb2	Zihan Lin	City University of Hong Kong	China	Foreign	Materials Science and Engineering	18	BL25SU	Np
21	2025B1699	Internal Structure and Magnetic Field Generation Mechanism of Icy GiantsRevealed by XRD and Electrical Conductivity Measurements	Mako Inada	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
22	2025B1700	Colloidal Single-Crystal Structure Analysis Using Small-Angle X-ray Scattering and Rotational Diffraction: Optical Properties and Structural Analysis of High-Quality DNA-Functionalized Nanoparticle Single Crystals	Lidong Zhang	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np

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23	2025B1702	Investigating the low-energy dynamics on Titanite-type antiferroelectric materials with exotic dielectric properties	Toshiya Uohashi	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	12	BL35XU	Np
24	2025B1705	Observation of the Growth Process of Colloidal Crystals in an Ideal Environment within Microdrops	Shoko Kojima	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL40B2	Np
25	2025B1707	Synchrotron-Radiation 193Ir Mössbauer Spectroscopy Investigation of the Negative Oxidation States of Iridium: The Ir2- and Ir3- Anions	Romana-Iryna Martyniak	Massachusetts Institute of Technology	USA	Foreign	Chemical Science	15	BL35XU	Np
26	2025B1708	Microscopic investigation of the hydration process of cemented bentonite by using micro X-ray CT	Tobimaru Ishiwata	Hokkaido University	Japan	Educational Organization	Earth and Planetary Science	9	BL47XU	Np
27	2025B1713	Temperature-dependent structural change of transition metal atoms in FeSbTe-based materials	Shumma Kozaki	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
28	2025B1714	Development of structural and electron density analyses method using single-crystal X-ray diffraction under electric fields	Chihaya Koyama	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
29	2025B1717	Rapid X-ray Single Microcrystal Structural Analysis of Novel Highly Reactive Compounds	Yui Wakasa	Rikkyo University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
30	2025B1719	Elucidation of Steric/Electronic Structures on Phosphorus-Containing π-Conjugated Radicals by X-Ray Single Crystallographic Analysis	Keita Andoh	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
31	2025B1720	Revealing the pseudogap of quasicrystal-related compounds in the Al-Pd-(W,Fe) system by hard X-ray photoelectron spectroscopy	Makito Aoyama	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
32	2025B1722	Analysis of Organic Fluorinated Compound Adsorption Processes in Layered Double Hydroxides Using In-situ XRD	Masaki Moriwaki	Shinshu University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
33	2025B1723	Understanding of the Aggregation Mechanism and Phase Transition Behavior of Organic Semiconductor Molecules in a Thin Film by Using In-situ 2D-GIXD Measurements	Takauki Oka	Kyoto University	Japan	Educational Organization	Chemical Science	2	BL19B2	Np
34	2025B1724	Development and application of high pressure resistant cocrystals consisting of porphyrin and fullerene molecules	Nobuhiro Sato	Tohoku University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
35	2025B1725	Effects of Elemental Clustering and Local Strain on the Martensitic Transformation in Ti-Ni-Zr Shape Memory Alloys	Tetsugen Ryo	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
36	2025B1726	Ordered Arrangement of Paramagnetic Charged π-Electronic Systems for Electronic and Photophysical Properties	Masaki Fujita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
37	2025B1727	Crystal Structure Analysis of Fast Ionic Conductors Containing Large Ions	Bowen Yao	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
38	2025B1729	Investigating the character of CDW formation in the kagome material KV3Sb5 by XRD	Yifan Wang	Zhejiang University	China	Foreign	Materials Science and Engineering	3	BL02B1	Np
39	2025B1731	A comparison of CO2 interactions on the surfaces of TiFe0.8Cr0.2 and TiNx-coated TiFe0.8Cr0.2 to investigate the CO2 tolerance effects of the TiNx layer on the hydrogen storage alloy.	Hyun Cho	Korea Advanced Institute of Science and Technology	Korea	Foreign	Materials Science and Engineering	12	BL46XU	Np
40	2025B1732	Temperature-Induced Evolution of Charge-Density Waves in Quasi-One-Dimensional CuTe	Ruihan Chen	Zhejiang University	China	Foreign	Materials Science and Engineering	3	BL02B1	Np
41	2025B1740	Structural Analysis of Cu–Ag Bimetallic Alloy Nanoparticles and Mechanistic Study of Electrochemical CO_2 Reduction Reaction	Takuya Yamada	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
42	2025B1742	Voltage-applied HAXPES for toward elsidation of resistance switchinfg of graphene/sumanene/graphene stacked structure	Ryoichi Kawai	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
43	2025B1925	Control of molecular-ion orientation in layered compounds under high pressure	Oomi Sumioka	Hiroshima University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
44	2025B1927	in situ XAFS Measurement on the Structure of the Intermediate in Nickel/Photoredox-Catalyzed Alkenylation of Silanols: Accurate Structural Analysis of Reaction Intermediates and Application to Asymmetric Catalysis	Sodai Nishino	Kwansei Gakuin University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
45	2025B1928	Real-space observation of Jeff=1/2 orbital states in Na2PrO3 with Kitaev interactions.	Chihaya Koyama	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
46	2025B1930	Investigation of the local structure of RuSb exhibiting anomalous thermal conductivity using 3D-ΔPDF analysis.	Taisei Kubo	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np

2025B, Performed Graduate Student Proposal

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or HPCI including the supercomputer Fugaku

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
47	2025B1931	Ordered Arrangement and Magnetic Properties of Paramagnetic Charged π-Electronic Systems for Functional Materials	Masaki Fujita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
48	2025B1977	Mechanism of amorphization in coordination polymers by time-resolved PDF analysis	Taichi Nishiguchi	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL08W	Np
49	2025B2173	Exploration of Highly Delocalized One-Dimensional π-Electron Systems Induced by Cross-Conjugated Thioesters	Takumi Shiokawa	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
50	2025B2177	Ordered Arrangement and Magnetic Properties of Paramagnetic Charged π-Electronic Systems for Functional Materials	Masaki Fujita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
51	2025B2178	Real-space observation of spin crossover in Co ions via valence electron density distribution analysis in $LaCoO_3$.	Chihaya Koyama	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	5.625	BL02B1	Np
52	2025B2180	Exploration of crystalline lithium-ion conductors in the Li_2S-M_2S_3-LiI (M=Sb,B) ternary system	Shimin Shu	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
53	2025B2181	Elucidating π-Backbone Anionic Delocalization via Precision Microcrystallography of Self-Doped Oligo(pentafulvalene)s	Shu Takagi	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL05XU	Np
54	2025B2182	“Design Principles for Near-Infrared Fluorescent Umpolung Phosphaxanthene Dyes Based on Crystal Structure Analysis”	Yuichi Asada	Nagoya University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
55	2025B2183	Direct observation of valence electron density of a superconductor Sc6FeTe2	Kosuke Yuchi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
56	2025B2185	Structural analysis for polymers grafted from various-shaped particles measured by ultra small-angle X-ray scattering	Yusuke Watanabe	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	2.625	BL19B2	Np
57	2025B2186	in situ XAFS Measurement on the Structure of the Intermediate in Nickel/Photoredox-Catalyzed Alkenylation of Silanols: Accurate Structural Analysis of Reaction Intermediates and Application to Asymmetric Catalysis	Sodai Nishino	Kwansei Gakuin University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
58	2025B2189	Clarification of the active site structure of La2O3 doped CeO2 supported Ru based catalysts effective for the hydrogenolysis of LDPE by XAS analyses	Koshin Ho	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
59	2025B2190	Bottom-Up Synthesis of Carbon Materials with Single-atom Metal Sites through Thermal Polymerization for Coordination Structure Control and Electrochemical CO2 Reduction Applications	Yuki Sano	Tohoku University	Japan	Educational Organization	Chemical Science	3	BL14B2	Np
60	2025B2192	Elucidating Solvent-Mixing Effects on MOF Particle Formation Kinetics via Time-Resolved In-Liquid Synchrotron XRD	Shotaro Danjo	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
61	2025B2193	Structural Analysis of Novel Highly Reactive Compounds Including Heavier Main Element Groups	Yui Wakasa	Rikkyo University	Japan	Educational Organization	Chemical Science	2	BL02B1	Np
62	2025B2194	In-situ Synchrotron X-ray Diffraction Study on the Correlation between Anomalous Eu2+ Luminescence and Structural Phase Transitions in $MHfO_3$(M = Ca, Sr, Ba) Perovskites	Jiazheng Li	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
63	2025B2541	Analysis of the transposition mechanism of CRISPR-associated transposon (CAST)	Kazuki Ishihara	Kyushu University	Japan	Educational Organization	Life Science	15	PX-BL (EM01CT)	Np
64	2025B2542	Structural and functional analysis of end-resection complex involved in DNA double strand break repair in archaea.	Keishiro Uda	Kyushu University	Japan	Educational Organization	Life Science	6	PX-BL (EM01CT)	Np
65	2025B2543	Structural analysis of cysteine biosynthesis enzymes by X-ray crystallography and cryo-electron microscopy	Sayaka Tsuji	Kagoshima University	Japan	Educational Organization	Life Science	3	PX-BL (BL45XU)	Np
66	2025B2763	Structural analysis of glutamate metabolic enzymes from Hydrogenophilus thermoluteolus TH-1	Kosei Sone	The University of Tokyo	Japan	Educational Organization	Life Science	12	PX-BL (EM01CT, EM02CT, EM04CT)	Np

2025B, Performed Long-Term Graduate Student 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)/Quasi-Proprietary(Qp)
1	2025B0303	Unraveling complexity of elemental arrangement in multi-element nanoalloys with XAFS	Masashi Nakamura	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	18	BL39XU	Np
2	2025B0306	The Determination of Martian Core Structure by High-Pressure in-situ X-ray Diffraction Experiments	Fumiya Sakai	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	12	BL10XU	Np
3	2025B0308	Unraveling complexity of elemental arrangement in multi-element nanoalloys with XAFS	Masashi Nakamura	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL01B1	Np
4	2025B0317	In-situ experiments on the faulting process under seismogenic conditions from the brittle-plastic transition to the deep earthquakes	Rikuto Honda	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	9	BL15XU-P	Np
5	2025B0321	Functional and structural studies of a novel Cas9 isolated from hot spring	Osamu Kikko	Kyushu University	Japan	Educational Organization	Life Science	21	PX-BL(EM01CT)	Np

2025B, Performed Time-Designated Proposal

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
1	2025B2301	Void Imaging of resin material	Junji Iihara	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL47XU	P
2	2025B2302	Particle observation on the electrode plate	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.25	BL20B2	P
3	2025B2305	Observation of the Internal Structure of Carbon Particles	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.5	BL47XU	P
4	2025B2308	Small-angle X-ray scattering of automotive energy materials	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	3	BL03XU-P	P
5	2025B2309	3D Observation of Metal Samples	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.5	BL28B2	P
6	2025B2312	X-ray CT of resin materials	Naoki Takao	Daicel Corporation	Japan	Industry	Industrial Applications	1	BL20XU	P
7	2025B2313	Visualization of the internal structure of polymer membranes	Hideki Yamasaki	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Materials Science and Engineering	1	BL47XU	P
8	2025B2315	Three-Dimensional Pore Structure Analysis of Polymer/Inorganic Porous Materials Using Nano-CT	Tatsuhiro Iwama	Asahi Kasei Corporation	Japan	Industry	Industrial Applications	1	BL47XU	P
9	2025B2325	CT observation of a lithium-ion battery	Takanori Itoh	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	2	BL20XU	P
10	2025B2326	Mass transport analysis in Toluene direct hydrogenation electrolyser	Takuto Araki	Yokohama National University	Japan	Educational Organization	Industrial Applications	3	BL20B2	P
11	2025B2327	Structural analysis of Inorganic Reverse Osmosis membrane	Junko Mine	Ebara Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	P
12	2025B2331	Structural Analysis of Photoresist in Solution Using Small-Angle Anomalous X-ray Scattering	Hiroki Yamamura	JSR Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P
13	2025B2333	Void Imaging of resin material2	Junji Iihara	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL47XU	P
14	2025B2334	XAFS Analysis of Solid Catalysts	Hirona YAMAGISHI	CATALER Corporation.	Japan	Industry	Industrial Applications	0.5	BL01B1	P
15	2025B2336	X-ray diffraction measurement of dielectric materials	Shugo Yamada	Panasonic Holdings Corporation	Japan	Industry	Industrial Applications	0.25	BL13XU	P
16	2025B2339	Observation of voids in organic-inorganic composites	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	0.125	BL28B2	P
17	2025B2341	Analysis using high-resolution full-field X-ray microscopy	Keiji Kuno	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL29XU	P
18	2025B2342	High-speed X-ray imaging of internal behavior in metals during laser welding	Toshimitsu Maeda	Maeda Kogyo Co., Ltd.	Japan	Industry	Industrial Applications	2	BL05XU	P
19	2025B2344	Advancing Rare Cancer Research through Archived FFPE Specimens: Innovations in Prognostic Prediction via Non-destructive 3D Pathology and Molecular Analysis	Rei Noguchi	Tokyo Women's Medical University	Japan	Educational Organization	Medical Applications	1	BL20B2	P
20	2025B2350	Synchrotron Structural Analysis of High-Temperature Lattice-Expansion Mechanisms in High-Expansion Oxides	Kazunari Yamaura	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	0.25	BL02B2	P
21	2025B2351	Compositional analysis of Al/Ni nano layered foil before and after self-propagating high temperature synthesis II	Jun Yamashita	Yazaki Corporation	Japan	Industry	Materials Science and Engineering	0.25	BL13XU	P
22	2025B2355	Observation of the Glass Transformation Layer	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.5	BL20B2	P
23	2025B2359	Nanoimaging of Energy-related Materials	Yusuke Yoneyama	DENSO CORPORATION	Japan	Industry	Industrial Applications	2	BL47XU	P
24	2025B2360	Visualization of internal state of cells using X-ray CT	Taishi Fukazawa	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL28B2	P

2025B, Performed Time-Designated Proposal

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
25	2025B2361	Observation of voids and shape in organic materials.	Masayuki Inaba	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.25	BL47XU	P
26	2025B2368	Detailed Analysis of Silica Hierarchical Structure Formation Mechanism in Rubber Materials Using Silane Coupling Agents by Small-Angle X-ray Scattering(3)	Yukiko Tamura	ENEOS Materials Corporation	Japan	Industry	Chemical Science	0.5	BL19B2	P
27	2025B2369	3D chemical state analysis of Cu materials	Yusuke Asada	DENSO CORPORATION	Japan	Industry	Chemical Science	1	BL37XU	P
28	2025B2373	Structural evaluation of ceramics by Anomalous X-ray scattering	Shota Fujinaka	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	1	BL13XU	P
29	2025B2383	Feasibility study of SR XRD and the data quality evaluation in comparison with laboratory measurements	Yoshihito Tanaka	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	1	BL05XU	P
30	2025B2386	automated data collection of macromolecule crystals	Jun Ren	WuXi AppTec Co., Ltd.	China	Foreign	Life Science	1	BL45XU	P
31	2025B2388	Diffuse scattering from one-dimensional oxygen-chain order in HgBa2CuO4+δ	Naoki Murai	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	0.25	BL02B1	P
32	2025B2390	In situ XRD measurement of new materials	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	2.875	BL02B2	P
33	2025B2394	Observation of voids in organic-inorganic composites	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Chemical Science	0.5	BL28B2	P
34	2025B2397	In-situ characterization of water electrolysis electrodes	Suzuna Okubayashi	Kawasaki Heavy Industries, Ltd.	Japan	Industry	Beamline Engineering	0.5	BL14B2	P
35	2025B2399	Thin film evaluation for lithography	Kayoko Cho	Tokyo Electron Kyushu Ltd.	Japan	Industry	Industrial Applications	0.875	BL19B2	P
36	2025B2400	Local structural analysis of trace metals in polymers using XAFS.	Masayuki Inaba	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.375	BL01B1	P
37	2025B2403	Characterization of polymer electrolyte fuel cell catalysts by synchrotron radiation infrared absorption spectrometry	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	2	BL43IR	P
38	2025B2408	Investigation of the through-thickness residual stress distribution in high-frequency induction hardened shafts.	koji Yamamoto	Komatsu Ltd.	Japan	Industry	Industrial Applications	1	BL15XU-P	P

2025B, Performed Measurement Service Proposal (Time-Designated)

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
1	2025B2303	3D observation of metal composite materials	Takuya Shiramomo	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.75	BL28B2	P
2	2025B2304	Small angle X-ray scattering study of structure of fluororesins	Ken Okanishi	DAIKIN INDUSTRIES, LTD.	Japan	Industry	Materials Science and Engineering	0.375	BL19B2	P
3	2025B2306	Measurement of steel materials by small-angle X-ray scattering	Manami Sunako	NHK Spring Co., Ltd.	Japan	Industry	Industrial Applications	0.375	BL19B2	P
4	2025B2307	Evaluation of the chemical state of Sn oxides	Tsutomu Totsuka	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL14B2	P
5	2025B2310	SAXS measurements of battery materials	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.125	BL19B2	P
6	2025B2311	Dispersion state of titanium oxide-containing coating film	Tatsuya Tsurumura	TAYCA CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	P
7	2025B2314	3D observation of metallic materials	Yuki Adachi	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL28B2	P
8	2025B2316	Measurement of cluster size in organic solvents	Saeko Nakamura	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
9	2025B2317	3D Observation of Composite Resin Parts	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	1	BL28B2	P
10	2025B2318	3D observation of rock samples	Hajime Kobayashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	1.5	BL28B2	P
11	2025B2319	Three-dimensional observation of compound drops of iron and oxide solidified under microgravity	Masahito Watanabe	Gakushuin University	Japan	Educational Organization	Materials Science and Engineering	0.25	BL28B2	P
12	2025B2320	XRD of metal particles	Yoshinori Fujikawa	TDK Corporation	Japan	Industry	Industrial Applications	0.125	BL19B2	P
13	2025B2321	Strucutral Analysis of Inorganic Materials.	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
14	2025B2322	Powder SR-XRD measurement of battery materials	Yusuke Yasuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
15	2025B2323	Temperature-dependent XRD analysis of inorganic fillers	Kaoru Yagishita	Mitsubishi Chemical Corporation	Japan	Industry	Industrial Applications	1.25	BL19B2	P
16	2025B2324	Crystal Structure Analysis of Li-ion Battery by powder X-ray Diffraction	Reika Ota	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
17	2025B2328	Structural analysis of transient networks near the percolation threshold	Takuya Katashima	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	0.5	BL19B2	P
18	2025B2330	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.5	BL14B2	P
19	2025B2332	Zr-K XAFS Analysis of Inorganic Particles	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	0.5	BL14B2	P
20	2025B2335	Analysis of Hair care formula	Noriko Fujii	Mandom Corporation	Japan	Industry	Industrial Applications	0.375	BL19B2	P
21	2025B2337	3D Observation of Metal Parts	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.25	BL28B2	P
22	2025B2338	3D Observation of Resin Components	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.125	BL28B2	P
23	2025B2340	3D Imaging of Corrosion Processes at the Soil–Steel Interface	Ryo HIrata	Nippon Steel Corporation	Japan	Industry	Industrial Applications	0.375	BL28B2	P
24	2025B2343	3D observation of precision machinery	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	0.25	BL28B2	P
25	2025B2345	XAFS Analysis of Inorganic Particles: Sb, Bi, Zn, Ge, Sn	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	0.75	BL14B2	P

2025B, Performed Measurement Service Proposal (Time-Designated)

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
26	2025B2346	Rietveld analysis of organic crystals	Sho Ito	DIC Corporation	Japan	Industry	Industrial Applications	0.125	BL19B2	P
27	2025B2347	電池材料のXRD測定	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.125	BL19B2	P
28	2025B2348	3D observation of sulfide particles	Misae Otoyama	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	0.375	BL28B2	P
29	2025B2349	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.375	BL14B2	P
30	2025B2352	SAXS USAXS Analysis such as FeNi alloy	Takamitsu Komachi	Daido Bunseki Research, INC.	Japan	Industry	Industrial Applications	1.125	BL19B2	P
31	2025B2353	XAFS measurement of Eu-L3	Qiuyi Yuan	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.375	BL14B2	P
32	2025B2354	Evaluation of the chemical state of Sn compounds in Sn solution	Tsutomu Totsuka	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL14B2	P
33	2025B2356	3D observation of metallic materials	Yuki Adachi	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.75	BL28B2	P
34	2025B2357	3D observation of metallic materials	Hidekazu Takano	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	0.125	BL28B2	P
35	2025B2358	SAXS/USAXS study of polymer films	Yuuichi Kondou	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
36	2025B2362	Analysis of Zr states in inorganic particles	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	0.25	BL14B2	P
37	2025B2363	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.75	BL14B2	P
38	2025B2364	Observation of LiB internal structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	0.125	BL28B2	P
39	2025B2365	Analysis of ruthenium	Yusuke Unno	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Environmental Science	0.5	BL14B2	P
40	2025B2366	SAXS measurement of fluororesin	Tatsuya Miyajima	AGC Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
41	2025B2367	3D Observation of Li-ion Batteries	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	0.25	BL28B2	P
42	2025B2370	Analysis of Palladium Particle State on Fiber Surfaces, etc.	Satoka Ohnishi	Yazaki Corporation	Japan	Industry	Industrial Applications	0.5	BL14B2	P
43	2025B2372	Transient network structure analysis near the percolation threshold	Takuya Katashima	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	0.75	BL19B2	P
44	2025B2375	Measurement of steel materials by small-angle X-ray scattering	Manami Sunako	NHK Spring Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
45	2025B2376	Analysis of the dispersion structure in ink liquids	Junsei Aoki	Seiko Epson Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	P
46	2025B2377	Powder X-ray diffraction method for evaluation of polymorphism of low molecular organic compound	Takahiko Hashizuka	Sawai Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
47	2025B2378	Powder SR-XRD measurement of battery materials	Yusuke Yasuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
48	2025B2379	XAFS Analysis of Inorganic Particles	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	0.5	BL14B2	P
49	2025B2380	Degradation Analysis of All-Solid-State Batteries Using Li-Rich Cathode Materials	ShunKaiWilly Bong	Consortium for Lithium Ion Battery Technology and Evaluation Center	Japan	Industry	Industrial Applications	0.375	BL19B2	P

2025B, Performed Measurement Service Proposal (Time-Designated)

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
50	2025B2381	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.5	BL14B2	P
51	2025B2382	SR-XRD measurement of steel wires	Yusuke Yasuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
52	2025B2384	Nanostructural analysis of electrodes	Naohiro Yasuda	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.5	BL19B2	P
53	2025B2385	Chemical-state characterization of zinc in inorganic oxides using XAFS	Mitsuharu Higashiguchi	Asahi Kasei Corporation	Japan	Industry	Industrial Applications	0.25	BL14B2	P
54	2025B2387	X-ray Total Scattering Measurement of Battery Materials	Yuma Kawamata	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
55	2025B2389	Small angle scattering in polymer materials	Misato Takahashi	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
56	2025B2391	3D Observation of Metal Parts	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.125	BL28B2	P
57	2025B2392	Structural Analysis of Inorganic Particles Using Hard X-ray XAFS	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	0.25	BL14B2	P
58	2025B2393	XRD measurement of metal nanoparticle	Kotaro Terao	TDK Corporation	Japan	Industry	Industrial Applications	0.125	BL19B2	P
59	2025B2395	Temperature-dependent XRD analysis of inorganic fillers	Kaoru Yagishita	Mitsubishi Chemical Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P
60	2025B2396	XAFS Measurements of Bismuth-Containing Materials	Satoshi Sawada	Chemicals Evaluation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	0.125	BL14B2	P
61	2025B2401	Verification of electrolysis temperature dependence of manganese-based water electrolysis catalysts	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	0.5	BL14B2	P
62	2025B2402	3D observation of the inside of products using high-energy X-rays	Yusuke Akano	DENSO CORPORATION	Japan	Industry	Industrial Applications	2	BL28B2	P
63	2025B2404	X-ray diffraction measurement of battery materials	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.125	BL19B2	P
64	2025B2406	Identification of Foreign Particles in Polymer Products	Atsuhiro Kunishige	DNP Scientific Analysis Center, Inc.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
65	2025B2407	XRD measurement of ceramic powder	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	P
66	2025B2409	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.5	BL14B2	P

2025B, Performed Measurement Service Proposal (Proposal Calls)

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
1	2025B1111	Observation of the Molecular Aggregation State of Fragrances	Taito Kobayashi	Suntory Global Innovation Center Limited	Japan	Industry	Industrial Applications	0.5	BL19B2	P
2	2025B1785	Chemical form analysis of ruthenium in soil	Yusuke Unno	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Industrial Applications	0.5	BL14B2	P
3	2025B1786	Structural analysis of metal oxide nanoparticles	Yu Fujiki	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	1.25	BL14B2	P
4	2025B1787	Observation of the Molecular Aggregation State Of Fragrances	Yoshinori Beppu	Suntory Global Innovation Center Limited	Japan	Industry	Industrial Applications	0.25	BL19B2	P
5	2025B1788	Observation of in-vehicle inverter components	Toshifumi Kimura	Astemo, Ltd.	Japan	Industry	Industrial Applications	0.25	BL28B2	P
6	2025B1789	Observation of LiB internal structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	1.5	BL28B2	P
7	2025B1790	3D Observation of Metal Matrix Composites	Takuya Shiramomo	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.25	BL28B2	P
8	2025B1791	3D observation of oxide composite material	Hiroshi Obata	City of Kobe	Japan	National and Nonprofit Organization	Other	0.75	BL28B2	P
9	2025B2026	XAFS measurement of Cu alloys	Yojiro Oba	Toyohashi University of Technology	Japan	Educational Organization	Industrial Applications	0.25	BL14B2	P
10	2025B2027	Powder X-ray diffraction method for evaluation of polymorphism of low molecular organic compound	Takahiko Hashizuka	Sawai Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
11	2025B2028	Nanostructure analysis of fuel cell materials	Naoki Hasegawa	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
12	2025B2029	Observation of LiB internal structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	0.75	BL28B2	P
13	2025B2030	3D observation of oxide composite materials	Yasunari Sugisako	Kobe City Road Public Corporation	Japan	National and Nonprofit Organization	Materials Science and Engineering	1.25	BL28B2	P
14	2025B2031	3D observation for fault sample	Wataru Nakagawa	OYO Corporation	Japan	Industry	Earth and Planetary Science	0.75	BL28B2	P

2025B, Performed Non-Proprietary Priority Proposal

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
1	2025B0201	Optimization of cell and tissue structure dynamics in plant adaptation to the environment	Eiji Gotoh	Kyushu University	Japan	Educational Organization	Life Science	3	BL20B2	Np
2	2025B0202	Nondestructive three-dimensional internal structure analysis of steel using synchrotron radiation X-ray imaging(2)	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL20B2	Np
3	2025B0203	Nondestructive three-dimensional internal structure analysis of steel using synchrotron radiation X-ray imaging(2)	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL28B2	Np
4	2025B0204	Integrative and hybrid structure analyses on “Basis for Supporting Innovative Drug Discovery and Life Science Research (BINDS)”	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	30	BL41XU	Np
5	2025B0205	Integrative and hybrid structure analyses on “Basis for Supporting Innovative Drug Discovery and Life Science Research (BINDS)”	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	19	BL45XU	Np
6	2025B0206	Integrative and hybrid structure analyses on “Basis for Supporting Innovative Drug Discovery and Life Science Research (BINDS)”	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	60	PX-BL(EM01CT)	Np
7	2025B0207	Integrative and hybrid structure analyses on “Basis for Supporting Innovative Drug Discovery and Life Science Research (BINDS)”	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	60	PX-BL(EM02CT)	Np
8	2025B0208	Strain measurement near killer defects of GaN vertical power devices under ultra-high reverse bias conditions by operando nanobeam X-ray diffraction	Yusuke Hayashi	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	5	BL13XU	Np
9	2025B0209	Structural evaluation of heat-treated amorphous materials for all-solid-state batteries using the PDF technique	Koji Ohara	Shimane University	Japan	Educational Organization	Materials Science and Engineering	12	BL04B2	Np
10	2025B0210	Elucidation of formation and high activity mechanism of innovative multi-element nanoalloy catalysts by understanding the atomic arrangement and electronic-structure of multi-element nanoalloys using synchrotron X-ray.	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	20.875	BL13XU	Np
11	2025B0211	Elucidation of formation and high activity mechanism of innovative multi-element nanoalloy catalysts by understanding the atomic arrangement and electronic-structure of multi-element nanoalloys using synchrotron X-ray.	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	17.875	BL46XU	Np
12	2025B0212	Elucidation of formation and high activity mechanism of innovative multi-element nanoalloy catalysts by understanding the atomic arrangement and electronic-structure of multi-element nanoalloys using synchrotron X-ray.	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	16.75	BL39XU	Np
13	2025B0213	Analysis of the Damage Progression Mechanism in Bleached Hair Considering Daily Washing Habits	Motoki Takeda	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	8.875	BL47XU	Np
14	2025B0214	Structural analysis of amorphous/crystalline composites for all-solid-state batteries by millisecond XRD measurement	Koji Ohara	Shimane University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
1	2025B1001	Structure of iron-based alkaline water electrolysis anode catalysts containing phosphorus and oxygen by X-ray total scattering and PDF analysis	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	5.875	BL04B2	Np
2	2025B1002	Exploring the Structure–Property Relationship in Sulfide Glasses via High-Time-Resolution PDF Analysis	Hiroshi Yamaguchi	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	6	BL08W	Np
3	2025B1003	In-situ 3D anatomical study of the adult cardiac conduction system	Tomokazu Kawashima	Toho University	Japan	Educational Organization	Medical Applications	3	BL20B2	Np
4	2025B1004	Structural Analysis of Mechanosensory Trichome Cells in Plants	Mika Nomoto	Nagoya University	Japan	Educational Organization	Life Science	4	BL20B2	Np
5	2025B1005	Analysis of three dimensional structure of	Takanori Ikenaga	Kagoshima University	Japan	Educational Organization	Life Science	3	BL20B2	Np
6	2025B1006	4D Topological Analysis of Three-Phase Structures for Integrated Modeling of Solid and Liquid Phase Sintering	Yukiko Ozaki	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	8.125	BL20B2	Np
7	2025B1007	Feasibility Study of Synchrotron Radiation Imaging for Investigating Unsteady Phenomena in Fluid Engineering	Osamu Kawanami	University of Hyogo	Japan	Educational Organization	Other	8.875	BL20B2	Np
8	2025B1008	Elucidation of solidificaiton mode of high Mn steel using X-ray imaging and diffraction	Tomoya Nagira	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	7	BL20XU	Np
9	2025B1009	In-situ nano-CT observation of crack propagation at the interface of Ceramic Matrix Composites	Gaku Okuma	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.625	BL20XU	Np
10	2025B1010	Defect evaluation of sintered bodies of layered crystals for abradable coating to reduce CO2	Shingo Machida	Japan Fine Ceramics Center	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL20XU	Np

2025B, Performed Non-Proprietary Priority Proposal

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
11	2025B1011	Evaluation of 3D pore structure in thermal spray coating	Junko Mine	Ebara Corporation	Japan	Industry	Industrial Applications	1	BL20XU	Np
12	2025B1012	Effect of fiber orientation on the early stage of fatigue failure of CFRP	Kosuke Takahashi	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	10	BL20XU	Np
13	2025B1013	Investigation of Li dendrite deposition mechanism in lithium-ion secondary batteries with concentrated electrolyte using X-ray computed tomography (4)	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	8	BL20XU	Np
14	2025B1014	Quantification of mechanism of Li dendrites and reaction distribution generation in all-solid-state battery electrodes using X-ray computed tomography (5)	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	8	BL20XU	Np
15	2025B1015	Analysis of sodium-ion intercalation to hard carbon particle by Operando X-ray CT of sodium all-solid-state battery	Koji Ohara	Shimane University	Japan	Educational Organization	Chemical Science	9	BL20XU	Np
16	2025B1016	Electronic structure change analysis of sulfide solid electrolyte under humidity condition by using soft X-ray absorption spectroscopy for O K-edge (3)	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np
17	2025B1017	Electron structure analysis of oxygen-adsorbed species on phosphorus- and oxygen-containing iron-based alkaline water electrolysis anode catalysts by operand soft X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	27	BL27SU	Np
18	2025B1018	A Study on the Discrimination of Primary and Secondary Molten Marks in Electric Wire by 3-Dimensional Microstructural Analysis in Fire Investigation (Examining the Effects of Wire Coating)	Yasuhiro Sato	National Research Institute of Fire and Disaster	Japan	Educational Organization	Materials Science and Engineering	4	BL28B2	Np
19	2025B1019	Understanding The Phenomenon of Gas Porosity Reduction in Wire Arc Additive Manufacturing of Ti-6Al-4V Using X-ray Imaging	Kentaro Watanabe	Kawasaki Heavy Industries, Ltd.	Japan	Industry	Industrial Applications	2	BL28B2	Np
20	2025B1020	Fundamental examination of cellular distribution of internal radionuclides by high energy SR-XRF analysis	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	3	BL37XU	Np
21	2025B1021	Feasibility study of SR X-ray spectroscopy and the data quality evaluation	Yoshihito Tanaka	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	17.875	BL39XU	Np
22	2025B1022	Development of X-ray magnetic tomography measurement with full-field imaging optics at BL39XU	Satoshi Okamoto	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
23	2025B1023	Electronic structure analysis of phosphorus- and oxygen-containing iron-based alkaline water electrolysis anode catalysts using high-resolution X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	18	BL39XU	Np
24	2025B1024	Precise structural analysis of thermosetting resins derived from bio-based materials	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	6	BL40XU	Np
25	2025B1025	Feasibility study of SR X-ray diffraction and the data quality evaluation in comparison with laboratory measurements	Yoshihito Tanaka	University of Hyogo	Japan	Educational Organization	Other	8.875	BL41XU	Np
26	2025B1026	Relationship between synthesis conditions and atomic configuration of oxide electrode materials for rechargeable magnesium batteries	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	3	BL44B2	Np
27	2025B1027	In situ observation of solidification cracking behavior during high-speed laser welding using high-speed and high-resolution X-ray imaging	Tomoya Nagira	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	8.625	BL47XU	Np
28	2025B1028	Structural and electronic structure analysis of alkaline water electrolysis anode catalysts including phosphorus using X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
29	2025B1029	Structural Characterization of Twist-Stacked Multilayer Films of Uniaxially Aligned Semiconducting Polymers	Keisuke Tajima	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	3	BL13XU	Np
30	2025B1030	Powder structural analysis and time-resolved in situ monitoring of synthesis for development of next-generation battery materials	Hidetaka Kasai	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
31	2025B1031	Precise powder structure study for DISORDEDR structure detection of thermoelectric materials	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	1	BL13XU	Np
32	2025B1032	Evaluation of negative thermal expansion of A,B-site co-substituted BiCoO3	Masaki Azuma	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
33	2025B1033	Depth profiling of femtosecond laser-shock formed metastable structures of silicon	Tomokazu Sano	The University of Osaka	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np

2025B, Performed Non-Proprietary Priority Proposal

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
34	2025B1034	Relationship between the crystal structures and charge/discharge characteristics of Sr(Ba, Ca)FeO2Fx perovskite compounds; elucidation of the mechanism of oxygen molecule generation and disappearance in the crystals	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
35	2025B1035	Structural Metallic Materials Managing Ultra High Strength and Large Ductility by High-Order Control of Deformation: Clarifying Deformation Mechanisms by in-situ Synchrotron XRD (5)	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL16XU-P	Np
36	2025B1036	Analysis of Reaction Distribution in All-Solid-State Batteries Using Operando Confocal XRD	Hiroshi Yamaguchi	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	3	BL13XU	Np
37	2025B1037	Measurement of microstructural evolution during local deformation in nano-hetero-structured FCC alloys	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	2.875	BL16XU-P	Np
38	2025B1038	Structural analysis of next-generation fuel cell catalysts by operando XAFS measurements	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Chemical Science	6	BL14B2	Np
39	2025B1743	Analysis of the electronic state and interatomic distance of platinum nanoparticles supported on metal oxide surfaces and elucidation of the relationship with catalytic activity	Futoshi Matsumoto	Kanagawa University	Japan	Educational Organization	Chemical Science	1	BL01B1	Np
40	2025B1744	Elucidation of structural editing of layered metal oxides by in-situ XAFS measurements	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	14.875	BL01B1	Np
41	2025B1745	Clarification of the chemical state of Cs and Sr adsorbed onto geopolymer solidification material	Yusuke Watanabe	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	9	BL01B1	Np
42	2025B1746	Operando XAFS of Self Discharge Behavior in Lithium-ion Battery Cathode	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
43	2025B1747	Elucidation of the Reentrant Martensitic Transformation Mechanism in Co-Based Heusler Alloys by HAXPES	Akio Kimura	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	8.25	BL09XU	Np
44	2025B1752	Origin of Morphology-Dependent Phase Transitions in Lead-Free Piezoelectric Ceramics	Shintaro Ueno	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
45	2025B1753	Examining reaction mechanism and structure of chloride electrolytes	Akira Miura	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
46	2025B1754	In-situ Synchrotron X-ray Diffraction under High-temperature Tensile Stress for Variant Identification in Titanium Alloy Single Crystals	Masaki Tahara	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	2.875	BL13XU	Np
47	2025B1755	Structural Metallic Materials Managing Ultra High Strength and Large Ductility by High-Order Control of Deformation: Clarifying Deformation Mechanisms by in-situ Synchrotron XRD (6)	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.125	BL16XU-P	Np
48	2025B1756	Microstructural analysis of supported chemical looping materials capable of highly efficient conversion of carbon dioxide at low temperatures	Yasushi Sekine	Waseda University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
49	2025B1757	Studies of positive electrode for Na-ion batteries using XAFS measurement	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL14B2	Np
50	2025B1758	Electronic and local structure analysis of oxide-based positive electrode materials for the development of high-performance magnesium rechargeable batteries	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	3	BL14B2	Np
51	2025B1759	Electronic and local structure analysis of coating materials on cathodes for all-solid-state lithium-ion batteries under high potential(3)	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	5.875	BL14B2	Np
52	2025B1760	Physical Properties of Cellulose Nanofiber Processing Fluids and Detailed Analysis of Processed Fibers	Go Matsuba	Yamagata University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
53	2025B1761	Structure analysis o of catalysts for fuel cell and water electrolysis by X-ray diffraction	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	3	BL19B2	Np
54	2025B1762	Primary and secondary aggregation structures of a model solution of catalyst bearing carbon particles for PEFC examined by Anomalous USAXS	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	3	BL19B2	Np

2025B, Performed Non-Proprietary Priority Proposal

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
55	2025B1763	Exploration of High-Performance Hydrogen Evolution Catalysts through High-throughput Electrochemical Measurement and XRD-XAFS Simultaneous Analysis	Naoto Todoroki	Tohoku University	Japan	Educational Organization	Chemical Science	2.625	BL19B2	Np
56	2025B1764	Investigation of the formation process of low-dimensional perovskite crystals	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
57	2025B1765	Electronic states analysis of hydrogen storage alloy catalysts by ambient pressure hard X-ray photoelectron spectroscopy (2)	Satoshi Kameoka	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL46XU	Np
58	2025B1766	Molecular Structure of resin studied by HAXPES	Shugo Ikeda	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
59	2025B1767	Structure analysis of catalysts for fuel cell and water electrolysis by hard X-ray photoelectron spectroscopy	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	9	BL46XU	Np
60	2025B1940	In-situ Structural Analysis of DNA-Modified Nanoparticle Crystals in Microdroplets under Temperature Control	Miho Tagawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	4	BL40B2	Np
61	2025B1941	Structure analysis of catalysts for fuel cell and water electrolysis by small-angle X-ray scattering	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	3	BL40B2	Np
62	2025B1944	Structure analysis of catalyst inks for fuel cell and water electrolysis by small-angle X-ray scattering	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	8.625	BL40XU	Np
63	2025B1982	Analysis of coordination environment of metal cations intercalated in layered polysilicates using hard X-ray XAFS	Norio Saito	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
64	2025B1983	In situ X-ray Absorption Experiment for Ir Oxidation State Observation in Oxygen Evolution Reaction	Okkyun Seo	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	9	BL01B1	Np
65	2025B1984	Analysis of the electronic state and interatomic distance of platinum nanoparticles supported on metal oxide surfaces and elucidation of the relationship with catalytic activity	Futoshi Matsumoto	Kanagawa University	Japan	Educational Organization	Chemical Science	0.625	BL01B1	Np
66	2025B1985	Elucidation of the effects of defects, hydrogen, and ion substitution on electronic structures of novel inorganic electronic materials using hard X-ray photoelectron spectroscopy	Shigenori Ueda	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL09XU	Np
67	2025B1986	Accurate structure study of Thermal Decomposition of Thermoelectric Materials	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
68	2025B1987	Development of orientation-controlled novel Pb-free photoelectric materials	Akinori Saeki	The University of Osaka	Japan	Educational Organization	Industrial Applications	2	BL16XU-P	Np
69	2025B1988	X-ray Diffraction Experiment for Fundamental Information Acquisition toward the Development of a 10-nanometer Focused X-ray Diffraction Method	Takayoshi Shimura	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	7	BL13XU	Np
70	2025B1989	Evaluation of negative thermal expansion of A,B-site co-substituted BiCoO3-II	Masaki Azuma	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	5	BL13XU	Np
71	2025B1990	Development of in situ synchrotron X-ray diffraction monitoring of Continuous-flow hydrothermal synthesis	Hidetaka Kasai	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
72	2025B1991	Crystal structure and ionic conductivity of Tysonite-type and fluorite-type LaF3-BaF2 fluoride ionic conductors	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
73	2025B1992	Microstructure and Electronic State Analysis of Chemical Looping Materials for Low-Temperature Dry Reforming	Yasushi Sekine	Waseda University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
74	2025B1993	Structure analysis of catalysts for fuel cell and water electrolysis by X-ray absorption spectroscopy	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	6	BL14B2	Np
75	2025B1994	Primary and secondary aggregation structures of a model solution of catalyst bearing carbon particles for PEFC prepared with spray gun examined by Amonalous USAXS	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	5.5	BL19B2	Np

2025B, Performed Non-Proprietary Priority Proposal

1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary (Np)/Quasi-Proprietary(Qp)
76	2025B1995	Crystal and electronic structures during discharge/charge processes in Mg(Mn,Fe,V)2O4-based cathode materials for rechargeable magnesium batteries	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	3	BL19B2	Np
77	2025B1996	Molecular Structure of resin studied by HAXPES II	Shugo Ikeda	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
78	2025B1997	Structure analysis of catalysts for fuel cell and water electrolysis by hard X-ray photoelectron spectroscopy	Hideto Imai	Fuel Cell Cutting-Edge Research Center Technology Research Association	Japan	Industry	Industrial Applications	3	BL46XU	Np