2025A, Performed General 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	2025A1053	Time-development of ultra small angle X-ray scattering intensity associated with the generation of vacancies in PET solid by enzymatic degradation	Daisuke Tadokoro	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
2	2025A1055	Exploring on fine internal structure of amphibian skin	Kanto Nishikawa	Kyoto University	Japan	Educational Organization	Life Science	1	BL28B2	Np
3	2025A1056	Metastable Multi-component Hydride Superconductors Under High Pressure	Xiaoli Huang	Jilin University	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
4	2025A1058	Study of high-pressure chemistry of polyhydrides of heavy lanthanides: Sm, Gd, Tm, Ho, Yb, and Lu	Viktor Struzhkin	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Chemical Science	6	BL10XU	Np
5	2025A1059	Investigation on the interfacial crystallization of the oil phase in O/W emulsions induced by high melting point additives	Ken Taguchi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
6	2025A1060	Screening lengths of polysaccharides in solution	Carlos Lopez	The Pennsylvania State University	USA	Foreign	Materials Science and Engineering	6	BL40B2	Np
7	2025A1061 *	Moisture Absorption Induced Microphase Separation of Double Hydrophilic Block Copolymer Thin Films and the Temperature Dependent Structure Transition	Yuji Higaki	Oita University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
8	2025A1062	Structural characterization of hydride with hot superconductivity	Yanming Ma	Jilin University	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
9	2025A1064	Giant negative thermal expansion of Ba3-xMgx(VO4)2 at room temperature induced by the phase transition	Jun Chen	University of Science and Technology Beijing	China	Foreign	Materials Science and Engineering	6	BL44B2	Np
10	2025A1065	Soft x-ray ARPES investigation of the superconducting nickelate Nd6Ni5O12 and related compounds	Alberto De la Torre Duran	Northeastern University	USA	Foreign	Materials Science and Engineering	18	BL25SU	Np
11	2025A1067	Synthesis of non-stoichiometric metal-organic glasses for anhydrous proton conductivity	Nattapol Ma	National Institute for Materials Science	Japan	National and Nonprofit Organization	Chemical Science	6	BL04B2	Np
12	2025A1069	sXAS of a S-vacancy-rich 1T-MoS2 catalyst for high-performance nitrogen reduction reaction	Jian Wang	City University of Hong Kong	China	Foreign	Materials Science and Engineering	3	BL27SU	Np
13	2025A1077	Revealing the origin of quantum critical phenomena in the valence fluctuating CeTIn5(T=Co,Rh,Ir) using high-resolution x-ray emission spectroscopy	Hidenori Fujiwara	Osaka University	Japan	Educational Organization	Materials Science and Engineering	15	BL39XU	Np
14	2025A1078	Structural Analysis of One-Dimensional Polymer Assemblies Obtained through Crystallization-driven Self-Assembly	Tomoki Nishimura	Shinshu University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
15	2025A1081	Relation between Structural Change and Stretching Speed in Stretching Process of Polymer Blends with Movable Crosslinks	Takashi Konishi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
16	2025A1084	Studies on non-linear compression property of two-dimensional metal-organic frameworks consisting of undulating layers	Ryo Ohtani	Kyushu University	Japan	Educational Organization	Chemical Science	3	BL10XU	Np
17	2025A1085	Low thermal expansion in chromium-based alloys with exceptional toughness	Chengyi Yu	University of Science and Technology Beijing	China	Foreign	Materials Science and Engineering	5.75	BL44B2	Np
18	2025A1088	Possible formation of stratum corneum intercellular lipid lamellar structure in skin organoids	Yasuko Obata	Hoshi University	Japan	Educational Organization	Medical Applications	6	BL40B2	Np
19	2025A1090	Development of a Hard X-ray Telescope for a Balloon X-ray Polarimetry XL-Calibur VIII	Yoshitomo Maeda	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Other	12	BL20B2	Np
20	2025A1091	Properties of amorphous solid electrolytes depending on structure and atomic bonding	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	5.625	BL04B2	Np
21	2025A1092	Multi-scale X-ray CT analysis of meteorite and asteroidal samples: Investigation for fluid inclusions	Megumi Matsumoto	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	3	BL20XU	Np
22	2025A1093	Nano-CT analysis of meteorite and asteroidal samples: investigation for evolution of hydrous asteroid components	Megumi Matsumoto	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	15	BL47XU	Np
23	2025A1095	In-situ nano-CT of chalk dissolution	Adrian Schiefler	Technical University of Denmark	Denmark	Foreign	Environmental Science	9	BL47XU	Np
24	2025A1096 *	Analysis of Crosslinking and Degradation Reactions in Polymer Coatings based on High-Speed Time-Resolved Polarized Nano-Infrared Spectroscopy	Yoshihisa Fujii	Mie University	Japan	Educational Organization	Chemical Science	9	BL43IR	Np

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25	2025A1097	Synchronous evaluation of in-situ X-ray imaging and in-situ temperature measurement of laser melting phenomena	Kohei Morishita	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
26	2025A1098	4D imaging and X-ray particle image velocimetry of aortic valve and pulmonary valve models behaving in a circulatory simulator	Shunsuke Matsushima	HYOGO PREFECTURAL KOBE CHILDREN'S HOSPITAL	Japan	National and Nonprofit Organization	Medical Applications	6	BL20B2	Np
27	2025A1099	Myosin inhibitor effects on contractile dysfunction in a novel rat model of hypertrophic cardiomyopathy	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	9	BL05XU	Np
28	2025A1100	XAFS analyses of structural changes of sulfur derivatives with high battery performances	Hirofumi Yoshikawa	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np
29	2025A1101	The mechanism of magma fragmentation inferred from X-ray imaging and diffraction experiments on pyroclasts	Satoshi Okumura	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	9	BL47XU	Np
30	2025A1102	Elucidation of structure and interconversion of complexes assembling metal nanoclusters	Yuya Domoto	Gunma University	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
31	2025A1103	Solution structure analysis of molecular species appearing during formation of amyloid fibrils with different levels of cytotoxicity	Tatsuhito Matsuo	Hiroshima International University	Japan	Educational Organization	Life Science	3	BL40B2	Np
32	2025A1104	Kinetically controlled microphase separation: observation of the formation process by time-resolved SAXS	Rintaro Takahashi	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
33	2025A1105	Determination of phase relations in the CaAl2O4-MgAl2O4 system at 1400-2000 K up to 50 GPa by means of Kawai-type multi-anvil press: establishment of new pressure calibrant and further development of high-pressure generation technique	Takayuki Ishii	Okayama University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
34	2025A1107	Observation of fracture growth process in rubber under deformation using high-speed X-ray 4D-CT method.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	18	BL28B2	Np
35	2025A1109	Analysis of oxidized surface on Zn based coating alloy (3) ~nanospectroscopy as an analytic strategy for overcoming corrosion~	Takashi Doi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	12	BL17SU	Np
36	2025A1110	Correlation Between Micelle Structures and Functional Properties of Amphiphilic Polysaccharide Derivatives Prepared Using Succinic Anhydride	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
37	2025A1111	Dynamics of Double-Helix Formation in Multiple Helical Polysaccharide: Analysis Using Time-resolved SAXS Measurements	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
38	2025A1113	Investigation of correlation between nontrivial charge ordering and superconductivity by single crystal X-ray diffraction experiments of 1T-VS2 under pressure	Keita Kojima	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
39	2025A1114	Functional elucidation of MYBPH in mouse skeletal muscle by small-angle X-ray diffraction	Hiroshi Sakai	Ehime University	Japan	Educational Organization	Life Science	6	BL05XU	Np
40	2025A1116	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	14	BL07LSU	Np
41	2025A1117	Phase transition kinetics, glass transition and dynamics of imidazolium-based ionic liquid crystals	Koji Fukao	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
42	2025A1118	Measurements of conformational changes of proteins in a single molecule with white X-ray	Hirofumi Shimizu	University of Fukui	Japan	Educational Organization	Life Science	21	BL28B2	Np
43	2025A1121	Elucidation of Mechanism of Ultrasonic Cavitation by Microsecond Transmission X-ray Imaging	Hitoshi Soyama	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	15	BL28B2	Np
44	2025A1122	Investigation of soft phonon ascribed to a ferroaxial transition	Tsuyoshi Kimura	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL43LXU	Np
45	2025A1125	Development of Magnetic Compton Scattering Imaging Method with Coded Aperture Mask	Akihisa Koizumi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	9	BL08W	Np
46	2025A1127	Degradation behaviour of polyhydroxymethylene in ionic liquids	Akiyuki Ryoki	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
47	2025A1128	Fixation by topochemical reaction of highly compressed structure of organic semiconductor	Ryusei Oketani	Osaka University	Japan	Educational Organization	Chemical Science	3	BL10XU	Np
48	2025A1129	Studies on concentration fluctuations and atomic dynamics in liquid Te-Se mixtures by inelastic x-ray scattering	Masanori Inui	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	18	BL35XU	Np

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49	2025A1131	Creation of Aluminum Alloy Components Combining Ultra-High Strength and Resistance to Hydrogen Embrittlement	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
50	2025A1133	Liquidus phase relations in hydrogen-bearing three-component iron alloy systems to Earth's core pressures	Kei Hirose	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	18	BL10XU	Np
51	2025A1134	Nano-CT analysis of functionally altered brain tissues	Ryuta Mizutani	Tokai University	Japan	Educational Organization	Life Science	18	BL47XU	Np
52	2025A1136	Measurement of P-V-T relation of alumina and determination of thermoelastic properties	Daisuke Yamazaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
53	2025A1137	Local structure analysis of helical-shape crystals formed by non-stoichiometrical co-crystalline frameworks	Ichiro Hisaki	Osaka University	Japan	Educational Organization	Chemical Science	6	BL41XU	Np
54	2025A1138	Characterization of nonlinear optical properties in solids 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	9	BL43IR	Np
55	2025A1139	Structural analysis of cellulose nanofiber sheet with various humidity	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	14.75	BL43IR	Np
56	2025A1140	Effect of redox state on seismic wave attenuation of hydrous olivine aggregates by short-period oscillation experiment Part 3	Takashi Yoshino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	15	BL04B1	Np
57	2025A1141	Macroscopic analysis of wood anatomy and fiber orientation in hardwood for musical instruments using X-ray CT	Kazushi Nakai	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL28B2	Np
58	2025A1142	Development of an evaluation method for structural stability of zeolites by combining isotropic pressure application and PDF analysis.	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	15	BL04B2	Np
59	2025A1143	Development and analysis of the formation behavior of temperature-responsive polymer-modified nucleic acid nanoparticles for nucleic acid decoy	Noriko Miyamoto	Aichi Institute of Technology	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
60	2025A1145	Synchrotron X-ray Micro-CT analysis of arthropods fauna in Kuji Amber from the Late Cretaceous Kuji Group, including parasitic wasps	Nozomu Oyama	Fukui Prefectural University	Japan	Educational Organization	Life Science	3	BL20B2	Np
61	2025A1146	Elucidation of the relation between molecular design and the associating structures in amphiphilic polymers with polyglycidol as hydrophilic chains by using small-angle X-ray scattering	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
62	2025A1147	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	6	BL04B1	Np
63	2025A1149	Pressure generation in large-volume-press by using sintered gradia anvils	Shuangmeng Zhai	Chinese Academy of Sciences	China	Foreign	Earth and Planetary Science	6	BL04B1	Np
64	2025A1150	Micro midinfrared spectroscopy of possible cometary dust particles recovered from Antarctic snow (3)	Takaaki Noguchi	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	6	BL43IR	Np
65	2025A1151	Development and establishment of the method for inter-layer distance of multi-layer graphene.	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	2	BL41XU	Np
66	2025A1152	Degradation Mechanism of Iron Ore Sinter for Next Generation Blast Furnace -Observation of the Crack Formation of Sinter by Low-temperature Reduction -	Taichi Murakami	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL28B2	Np
67	2025A1153	Proof of concept for large-area topological 4D X-ray CT	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Beamline Engineering	17.875	BL28B2	Np
68	2025A1154	Effect of nucleating additive on crystallization of biodegradable polyester	Masahiro Fujita	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40B2	Np
69	2025A1155	Elucidation and Quantification of Vertebrate Developmental Microstructures Using Synchrotron Radiation X-ray Micro-CT	Mikiko Tanaka	Institute of Science Tokyo	Japan	Educational Organization	Life Science	6	BL20B2	Np
70	2025A1156	Effect of raw material blend ratio on the behavior of gas in copper alloys	Tomohiro Nishimura	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	6	BL20B2	Np
71	2025A1157	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	14.75	BL17SU	Np

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72	2025A1158	Elucidation of the influence of cation species on the decomposition and reorganization of zeolite frameworks during hydrothermal synthesis using atomic and nanoscale time-resolved PDF analysis	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL08W	Np
73	2025A1161	Elements effects on phonon dispersion and lifetimes of half-Heusler thermoelectric compounds via high-resolution inelastic x-ray scattering	Hao Ma	University of Science and Technology of China	China	Foreign	Materials Science and Engineering	3	BL43LXU	Np
74	2025A1162	Li-substitution effect of Nb-related perovskite oxides	Yasuhiro Yoneda	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL04B2	Np
75	2025A1163	Role of endothelium-dependent coronary dysfunction in the progression of hypertrophic cardiomyopathy due to truncated myosin binding protein C in a rat model	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	12	BL20B2	Np
76	2025A1164	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	6	BL45XU	Np
77	2025A1165	XMCD measurements on altermagnetic MnTe films: Clarification of the effect of crystal structure and reduced dimension on the magnetic properties	Toru Hirahara	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
78	2025A1166	Enabling magnetic nanoparticle access to epithelial cells in-vivo: Effect of mucolytics on the airway surface mucus barrier	Martin Donnelley	University of Adelaide / Women's and Children's Hospital	Australia	Foreign	Medical Applications	12	BL20XU	Np
79	2025A1167	Direct observation of Fe valence change in SrCu3Fe4O12 with negative thermal expansion by means of Fe Ka x-ray emission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	15	BL39XU	Np
80	2025A1168	Verification of superionic phase transition of hydrogen-bearing materials under deep Earth conditions by simultaneous synchrotron XRD and electrical conductivity measurements (continued)	Kenji Ohta	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	12	BL10XU	Np
81	2025A1169	Dynamic Morphological Analysis of Hydrogen Blisters in Aluminum Alloys Using High-Speed X-ray Imaging and Hydrogen Detection	Keitaro Horikawa	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL20B2	Np
82	2025A1170	Elucidation of the electronic state of 3d elements in ferrimagnetic 3d-4f perovskite oxides using soft X-ray absorption spectroscopy	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.75	BL27SU	Np
83	2025A1171	A structural study of metal species in metal@zeolite catalysts	Pu Zhao	Soochow University	China	Foreign	Chemical Science	3	BL04B2	Np
84	2025A1173	Structural Comparison between Extended-Chain and Lamellar Crystals of Poly(muconates)	Yasuhito Suzuki	Osaka Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
85	2025A1179	Effect of ester group on the heterogeneity arising during the bulk polymerization of methacrylate	Yasuhito Suzuki	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL08W	Np
86	2025A1181	Study of high-pressure induced single-phase formation of multiphase lightweight high-entropy alloys	Hongbo Lou	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	5.75	BL10XU	Np
87	2025A1182	Quantifying ammonoid shells amid rapid environmental changes during the latest Cretaceous period	Amane Tajika	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	14.75	BL28B2	Np
88	2025A1183	High pressure in-situ observation of the synthetic process of carbon nitrides in Mbar regime	Ken Niwa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
89	2025A1185	Elucidation of the remineralizing effect of a novel therapy utilizing carious dentin.	Xuefei Chen	Institute of Science Tokyo	Japan	Educational Organization	Medical Applications	6	BL05XU	Np
90	2025A1186	Elucidation of interfacial magnetization on voltage-driven antiferromagnetic thin film	Yu Shiratsuchi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
91	2025A1187	Studies on the Local Structure Evolution in Carboxylate-Based Metal-Organic Framework Liquids and Glasses with Variable Metals	Hoi Moon	Ewha Womans University	Korea	Foreign	Chemical Science	9	BL04B2	Np
92	2025A1188	GIWAXD measurements-based analysis of chiral silica aligned structure	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
93	2025A1190	Experimental observation of phonon dispersion relations for understanding the ultra-low thermal conductivity of the high-entropy antimonide (RuRhPdIrPt)Sb by inelastic X-ray scattering	Daigorou Hirai	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL35XU	Np

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94	2025A1192	Development of solid-state quantum imaging technology for nanoscale observation of high temperature superconductors under high pressure	Keigo Arai	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
95	2025A1193	Distinct oxygen redox behavior upon the oxygen coordination geometry	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	6	BL27SU	Np
96	2025A1194	Investigation of the coupling between magnetic and antiferroelectric orderings in structural single-domain multiferroic La-doped BiFeO3	Di Yi	Tsinghua University	China	Foreign	Materials Science and Engineering	9	BL17SU	Np
97	2025A1196	Detailed structural analysis of lipid nanoparticles containing oligo-RNA using small-angle X-ray scattering for pharmacokinetic analysis	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
98	2025A1197	Synthesis and properties research on ternary perovskite superhydrides under high temperature and pressure	Guoying Gao	Yanshan University	China	Foreign	Materials Science and Engineering	8.75	BL10XU	Np
99	2025A1198	Investigation of magnetic domain structures in multiferroic La-doped BiFeO3 at nano-scale.	Di Yi	Tsinghua University	China	Foreign	Materials Science and Engineering	8.875	BL25SU	Np
100	2025A1199	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	18	BL27SU	Np
101	2025A1202	Gradient index of the eye lens: effect of development, ageing and cataract.	Barbara Pierscionek	Anglia Ruskin University	UK	Foreign	Life Science	9	BL20B2	Np
102	2025A1203	Analysis for order/disorder structure of cation-disordered Li3VO4 crystal as an anode material for high-power Li-ion battery	Etsuro Iwama	Tokyo University of Agriculture and Technology	Japan	Educational Organization	Chemical Science	12	BL04B2	Np
103	2025A1205	Observations of valence and spin state changes of transition metals in giant negative thermal expansion materials.	Masaki Azuma	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	Np
104	2025A1206	Study on structure of micelles formed by polyglycerol based surfactants and solubilization performance of surfactants. 4. -Influence of the chain length of hydrophobic groups on micellar structure and solubilization performance-	Kenji Murashima	SAKAMOTO YAKUHIN KOGYO CO., LTD	Japan	Industry	Industrial Applications	3	BL40B2	Np
105	2025A1209	Analysis of mechanical properties and deformation/fracture behavior of structural materials by a new multimodal measurement bycombining high-resolution X-ray CT and pencile beam XRD	Hiro Fujihara	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	12	BL20XU	Np
106	2025A1210	Understanding the Unique Electrical Properties of Chitosan Nanofibers Using Resonant Soft X-ray Emission Spectroscopy	Maiko Nishibori	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	10	BL27SU	Np
107	2025A1212	Operando high energy X-ray absorption and fluorescence spectroscopy on dynamic behavior of cerium radical quencher in polymer electrolyte fuel cells	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Industrial Applications	16.625	BL37XU	Np
108	2025A1213	Determination of iron-valence state of quenched silicate melts recovered from ultra-high pressure experiments	Hideharu Kuwahara	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL27SU	Np
109	2025A1214	Study on local dynamics of rubber using gamma-ray quasi-elastic scattering method: Identification of material factors for controlling local polymer dynamics.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	20.75	BL35XU	Np
110	2025A1217	Structural analysis of photochromic organic crystals whose elasticity changes upon light irradiation	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL41XU	Np
111	2025A1218	Modulation mechanism of stratum corneum structure after application of water-soluble drug-loaded β-branched monohexadecyl phosphate nanoparticles -Comparison with lipid-soluble drug-loaded system-	Tomonobu Uchino	University of Shizuoka	Japan	Educational Organization	Life Science	6	BL40B2	Np
112	2025A1219	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
113	2025A1224	Self-Assembled States of Deoxyribonucleic Acid Having Fluoroalkyl Groups	Daisuke Kawaguchi	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
114	2025A1225	Elucidation of the molten layer at the base of the Martian mantle based on elastic wave velocity measurements	Tatsuya Sakamaki	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	15	BL04B1	Np
115	2025A1226	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	5.75	BL40B2	Np

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116	2025A1227	3D Imaging of the Cardiac Conduction System in Congenital Heart Disease Pathology	Kenta Yashiro	Kyoto Prefectural University of Medicine	Japan	Educational Organization	Medical Applications	9	BL20B2	Np
117	2025A1228	Correlating Catalyst Properties from Operando X-ray Studies (SAXS/WAXS/XAFS) of Pt Nanoparticles Used in Polymer Electrolyte Fuel Cells with Identical Location Scanning Transmission Electron Microscopy	Albert Mufundirwa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL40B2	Np
118	2025A1232	Analysis of dopant sites in ion-implanted diamonds for the realization of p-type and n-type diamonds	Mami Fujii	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
119	2025A1233	Clarification of structural phase transition mechanism of intercalation-type cathode for all-solid-state fluoride-ion batteries using spatial resolved X-ray absorption spectroscopy and X-ray diffraction based on nano-beam	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
120	2025A1234	Study on the electronic structure of oxygen in Ni-based oxide cathode for all-solid-state fluoride-ions batteries by resonant inelastic X-ray scattering	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np
121	2025A1235	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	9	BL37XU	Np
122	2025A1236	Development of X-ray multi-scale imaging from sub-μm pixel size to 100mm field of view - Optimization of measurement condition in high-resolution observation -	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	12	BL20B2	Np
123	2025A1237 *	Composition dependence of atomic configuration and positive electrode properties in V-substituted Mg(Fe,Mn)2O4-based nanocrystals	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
124	2025A1239	Measurements of seismic velocity of partially molten mineral aggregates: implication for the origin of the lunar low velocity zone	Jiejun Jing	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
125	2025A1240	In situ white X-ray diffraction measurements of Cu-RE alloying/dealloying process in molten LiCl-KCl	Yumi Katasho	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	9	BL28B2	Np
126	2025A1241	Penetration structure of coordination polymer glasses obtained by mechanical processes	Hiroyasu Tabe	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
127	2025A1242	Formation Mechanism of Monodisperse Spherical Acrylic Acid Nanoparticles : Effect of Ionic Strength	Kazuo Sakurai	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
128	2025A1243	Detailed Elucidation of Discharge Reactions in the Cathode of Lithium-Oxygen Batteries Using Nano-CT-XRD Operando Measurements	Toshihiro Kondo	Ochanomizu University	Japan	Educational Organization	Chemical Science	6	BL20XU	Np
129	2025A1244	Crystallographic analysis of artificial foldamers based on the conformational properties of squaramides	Masatoshi Kawahata	Showa Pharmaceutical University	Japan	Educational Organization	Chemical Science	9	BL26B1	Np
130	2025A1245	Development of detection method for latent finger print using synchrotron hard X-ray fluorescent imaging	Yasuo Seto	RIKEN	Japan	National and Nonprofit Organization	Other	9	BL37XU	Np
131	2025A1247	Elucidation of the mechanism to improve water loss associated with changes in protein characteristics in bleached hair using infrared microspectroscopy	Hiromu Komatsu	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	18	BL43IR	Np
132	2025A1248	High-Pressure Study of Nickelate High-Temperature Superconductors	Jinguang Cheng	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
133	2025A1249	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	15	BL07LSU	Np
134	2025A1250	Development of detection method for trace drugs in hair and finger print by near field infra-red spectroscopy	Yasuo Seto	RIKEN	Japan	National and Nonprofit Organization	Other	30	BL43IR	Np
135	2025A1251	High-pressure electronic and structural properties of 2D van der Waals compound CuCrP2S6	Takahiro Matsuoka	University of the Philippines Diliman	Philippines	Foreign	Materials Science and Engineering	6	BL10XU	Np
136	2025A1252	Investigation of concentrated conditions of layered metal hydroxide nanoparticle dispersions by using total X-ray scattering technique.	Naoki Tarutani	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
137	2025A1253	Fine structural analysis of intercalated molecular anions in layered compounds using soft-X-ray adsorption spectroscopy.	Naoki Tarutani	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	3	BL27SU	Np
138	2025A1254	Elucidation of the transition in α-γ solid phase transformation modes in TiAl-based alloys caused by the addition of a third element by time-resolved CT-XRD coupled measurements	Ryoji Katsube	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL47XU	Np

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139	2025A1259	Electrical Conductivity of Pyrolite and Mid-Ocean Ridge Basalt Under High Pressure and Temperature: Insights into the Fate of Subducted Oceanic Plates in the Earth's Lower Mantle	Yoshiyuki Okuda	University of Hawaii	USA	Foreign	Earth and Planetary Science	9	BL10XU	Np
140	2025A1260	Observation of boron-hydrogen complexes in boron-doped diamonds formed by different processes	Tomohiro Matsushita	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
141	2025A1261	High-resolution Enhancement of Compton Scattering Imaging using Bayesian Super-resolution II	Yuki Mizuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	6	BL08W	Np
142	2025A1262	Formation and Breakdown Kinetics of Ca-rich Metastable Bridgmanite	Masayuki Nishi	Osaka University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
143	2025A1263	Dynamics of valence fluctuations of Yb ions in Au-Al-Yb quasicrystal under multi-extreme conditions studied by synchrotron-radiation-based 174Yb Mö ssbauer spectroscopy	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	20	BL35XU	Np
144	2025A1264	Experimental examination for force enhancement induced by sarcomere length non-uniformity using ultra-small angle X-ray diffraction	Atsuki Fukutani	Ritsumeikan University	Japan	Educational Organization	Life Science	8.75	BL20XU	Np
145	2025A1266	Quantification of change in lung acinar dynamics with lung development after birth	Kenichiro Koshiyama	Tokushima University	Japan	Educational Organization	Life Science	6	BL20B2	Np
146	2025A1269	High energy resolution XAFS analysis for Mo carbides in steel materials	Tetsuya Miyazawa	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	3	BL39XU	Np
147	2025A1270	Anisotropic Ce 4f electronic states of non-Fermi liquid-heavy fermion system Ce2Pt6Ga15 and related systems elucidated by polarization and sample angle dependent core level photoabsorption and partial emission yield spectroscopy	Shin Imada	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	9	BL27SU	Np
148	2025A1271	Detailed study of metallization and superconductivity of oxygen II	Katsuya Shimizu	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
149	2025A1272	Structural Analyses of Novel Semiconducting Coordination Polymer Glass and Liquid Synthesized by High-Throughput Screening Techniques	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
150	2025A1273	High-precision response measurement of 1mm-thick CdTe semiconductor detector for hard X-ray space observation SuperHERO	Miho Katsuragawa	Kyoto University	Japan	Educational Organization	Elementary Particles, Nuclear Science	11.75	BL20B2	Np
151	2025A1274	Metallographic observation of bronze mirrors and bronze standard samples using X-ray laminography	Manako Tanaka	Tokyo University of the Arts	Japan	Educational Organization	Other	5.875	BL20B2	Np
152	2025A1275	Molecular-level elucidation of antibody adsorption behavior at an air-liquid interface for the reduction of proteinaceous aggregates formation in antibody drug products	Yohko Yano	Kindai University	Japan	Educational Organization	Industrial Applications	9	BL37XU	Np
153	2025A1276	Investigation of internal structure of carbonaceous materials in ureiltie meteorites by using analytical SR-nanoCT.	Masahiro Yasutake	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	9	BL47XU	Np
154	2025A1277	The morphological study of perfluorinated ionomer under operando GISAXS/GIWAXS measurement	Xiao Gao	Nanjing University of Science and Technology	China	Foreign	Materials Science and Engineering	6	BL40B2	Np
155	2025A1279	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
156	2025A1280	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
157	2025A1282	High-pressure deformation experiments on dense hydrous mineral phase H, 2	Yu Nishihara	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
158	2025A1285	Cryogenic rejuvenation effect of phonon dynamics in Dy65TM35 metallic glasses	Shinya Hosokawa	Shimane University	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
159	2025A1286	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	12	BL20B2	Np

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160	2025A1287	Effects of abnormal epidermal ceramide 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	12	BL40B2	Np
161	2025A1288	Visualization and quantification of 3D reaction distribution inside a lithium-ion battery using synchrotron radiation CT	Takanori Itoh	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	9	BL20XU	Np
162	2025A1289 *	High energy x-ray diffraction study on cryogenic rejuvenation effect in Dy-TM metallic glasses	Shinya Hosokawa	Shimane University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
163	2025A1294	Evaluation of Mg dopant sites and thermal diffusion behavior in GaN after Mg ion implantation	Mutsunori Uenuma	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL25SU	Np
164	2025A1295	Spin-splitting in altermagnet ruthenium oxide film	Shutaro Karube	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
165	2025A1296 *	Local structure changes by cryogenic rejuvenation in Dy-TM metallic glass II	Shinya Hosokawa	Shimane University	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np
166	2025A1297	Structural design and failure mechanism of new halide solid electrolytes	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	2.125	BL04B2	Np
167	2025A1299	Revealing the mechanism of quantum critical phenomena in Au-Al-Yb, Au-Ga-Yb quasicrystals and approximants by high energy resolution fluorescence-detected X-ray absorption spectroscopy	Kojiro Mimura	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	15	BL39XU	Np
168	2025A1300	Ce 4f-5d Coulomb repulsion Ufd for $CeRh_2Si_2$ and $CeCo_2Si_2$ 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	12	BL39XU	Np
169	2025A1302	Crystal structure and magnetization collapse in Eu under high pressure	Katsuya Shimizu	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
170	2025A1304	Structural analyses of chiral macrocycles directed for the utilization of the inner space	Toshiya Fukunaga	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
171	2025A1305	Development of gamma-ray quasi-elastic scattering system using 2-dimensional X-ray detector CITIUS for the atomic dynamics study on 10-ps time scale	Makina Saito	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	18	BL35XU	Np
172	2025A1307 *	Elucidation of the Li-ion dynamics in lithium sulfide solid electrolyte by gamma-ray quasi-elastic scattering system using 2-dimensional X-ray detector CITIUS	Koji Ohara	Shimane University	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
173	2025A1309	X-ray diffraction analysis of molecular structure and motility mechanism in ctenophore cilia using BL05XU	Kazuo Inaba	University of Tsukuba	Japan	Educational Organization	Life Science	18	BL05XU	Np
174	2025A1310	Adsorption and Miscibility Phenomena of Two-Component Miscible Polymer Chains on Aluminum Surface Studied by X-ray Raman Spectroscopy	Katsuhiro Yamamoto	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
175	2025A1311	Extension of High-Pressure X-ray Fluorescence Holography to high pressure ranges up to 50 GPa: Pressure-Induced Structural Changes of Tetragonal SrTiO3	Naoki Ishimatsu	Ehime University	Japan	Educational Organization	Materials Science and Engineering	12	BL37XU	Np
176	2025A1312	Development of multi-scale X-ray CT system using a multilayer monochromator	Kentaro Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	21	BL28B2	Np
177	2025A1313	Research to elucidate the differences in the structural characteristics of aged and young skin depending on humidity.	Mika Suzuki	KOSÉ Corporation	Japan	Industry	Life Science	5.875	BL40B2	Np
178	2025A1315	Study of synthesis mechanism of Zr-based halide solid electrolytes for all-solid-state batteries	Jochi Tseng	Nanyang Technological University	Singapore	Foreign	Materials Science and Engineering	9	BL08W	Np
179	2025A1316	The role of electron-phonon coupling in a prototypical layered charge density wave system	Xun Jia	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	15	BL35XU	Np
180	2025A1317	Research to elucidate the percutaneous absorption enhancement effect of an electric field	Hiromitsu Nakazawa	TEIKYO University of Science	Japan	Educational Organization	Life Science	5	BL40B2	Np
181	2025A1318 *	Kinetics of charge transfer between Ni and Fe in Ni based catalysts during electrochemical water oxidation	Feng Wang	University College London	UK	Foreign	Chemical Science	12	BL36XU	Np

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182	2025A1319	X-ray absorption spectroscopy experiments on polymer electrolytes using a combination of X-ray damage avoidance methods and atmosphere control	Naoya Kurahashi	National Institutes of Natural Sciences	Japan	National and Nonprofit Organization	Chemical Science	12	BL27SU	Np
183	2025A1320	Investigation of a magnetic octupolar ordering in Ca5Ir3O12 by magnetic circular dichroism	Satoshi Tsutsui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	7	BL39XU	Np
184	2025A1322	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	6	BL43IR	Np
185	2025A1325	Nondestructive observation of steel in the soil using synchrotron radiation X-ray imaging	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL28B2	Np
186	2025A1327	Analysis of redox orbitals contributing to charge compensation in electrodes for practical lithium-ion batteries	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Materials Science and Engineering	18	BL08W	Np
187	2025A1329	In situ sound velocity measurement on ultra-mafic silicate glasses at ultrahigh-pressure condition of >40 GPa.	Itaru Ohira	Gakushuin University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
188	2025A1331	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	15	BL47XU	Np
189	2025A1332	in situ SAXS experiment for revealing the mechanism of 3D nanocrystal superlattices via self-assembly driven by supression of thermal kinetic energy upon cooling inorganic nanocrystal solution	Masaki Saruyama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
190	2025A1333	Characterization of thorium-229 doped crystals for performance evaluation of solid-state nuclear clocks	Sayuri Takatori	Okayama University	Japan	Educational Organization	Elementary Particles, Nuclear Science	3	BL37XU	Np
191	2025A1334	Effect of Fe-incorporation on the elastic wave velocities of ferropericlase	Youyue Zhang	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
192	2025A1336	Study for true L-edge XAS spectrum structure using linear combination of 2p3s-partial fluorescence yield spectra obtained under polarized and depolarized geometries for 3d-transition metal	Saki Imada	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	18	BL27SU	Np
193	2025A1337	Microscopic FTIR analysis of spatial distribution and state of water molecules in White and Black 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
194	2025A1342	Electrode-electrolyte interaction for oxygen evolution reaction: an in situ RIXS study	Feng Wang	University College London	UK	Foreign	Chemical Science	17.875	BL39XU	Np
195	2025A1343	Study on N2 molecules in 3d-transition metal doped AlN films using N K-edge XAS and N 1s2p-RIXS	Saki Imada	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	20.5	BL27SU	Np
196	2025A1344	Study on the local structure of functional multi-core diamond nanothreads based on pair distribution function	Haiyan Zheng	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	9	BL04B2	Np
197	2025A1345	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
198	2025A1347	The role of local disorder for the structural quantum criticality and in (Sr1-xCax)3Rh4Sn13 Superconductors via X-ray Fluorescence Holography	Jens Stellhorn	Shimane University	Japan	Educational Organization	Materials Science and Engineering	15	BL37XU	Np
199	2025A1350 *	Local structure analysis around Eu in KNbO3 using X-ray fluorescence holography	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
200	2025A1351	X-ray Fluorescence Holography on Thin-Film Halide Perovskite for Optical Microresonator	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np
201	2025A1352	Arsenite oxidation mechanism under redox gradient region in rice rhizosphere	Noriko Yamaguchi	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Environmental Science	6	BL37XU	Np
202	2025A1354	Inelastic X-ray scattering measurements of Si-doped Fe2VAl thermoelectric materials: Elucidation of the phonon softening caused by electrion-doping	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
203	2025A1356 *	Local Structural Analysis around Nb in (K, Na)NbO3-doped SiO2－Al2O3－Na2O Glass Ceramics	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np

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204	2025A1357	Investigation of the proximity-induced ferromagnetic states of 5d SrIrO3 in manganite-iridate bilayers	Di Yi	Tsinghua University	China	Foreign	Materials Science and Engineering	12	BL39XU	Np
205	2025A1358	Feasibility Study of Fluorescence πXAFS and Its Application to Element-Specific Structural Measurements	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	15	BL32B2-P	Np
206	2025A1361	Elucidation of atomic layer ferromagnetism in 4d ferromagnetic transition-metal oxide SrRuO3 ultrathin films using x-ray magnetic circular dichroism	Masaki Kobayashi	Nippon Telegraph and Telephone Corporation	Japan	Industry	Materials Science and Engineering	12	BL25SU	Np
207	2025A1362	High-Pressure Synthesis of High-Temperature Superconducting Ternary Hydride Systems	Yuki Nakamoto	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
208	2025A1363	Local structure analysis in high temperature phase Sm-doped $BiFeO_3$ thin films	Seiji Nakashima	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	12	BL32B2-P	Np
209	2025A1364	Infrared spectroscopy and electronic states of thermoelectric material candidate Mg2Si under high pressure	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	Np
210	2025A1367	Ground state of mixed valence state of Yb ion in Kondo insulator YbB12 studied by 174Yb synchrotron radiation based Mössbauer spectroscopy at ultralow temperature with external magnetic field	Nobumoto Nagasawa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL35XU	Np
211	2025A1368	Probing quantum asymmetry of the 4f orbitals in strongly correlated Sm compounds in tetragonal symmetry by linear dichroism in hard x-ray photoemission	Akira Sekiyama	Osaka University	Japan	Educational Organization	Materials Science and Engineering	18	BL19LXU	Np
212	2025A1370	Analysis of water behavior in human hair and skin with different cluster sizes	Hiromitsu Nakazawa	TEIKYO University of Science	Japan	Educational Organization	Life Science	6	BL43IR	Np
213	2025A1372	Developing dynamic 3D crystallographic orientation mapping technique with time-resolved 3DXRD (2): Dynamic observation of wave-like nucleation event during solidification in Al alloy using 4D-CT and 3DXRD	Taka Narumi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
214	2025A1373	Dynamic observation of semisolid deformation during shear 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
215	2025A1374	Investigation of the phase stability and phase relation of novel silicon-rich Fe-Si high-pressure phases under high pressure and high temperature	Takuya Sasaki	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
216	2025A1376	Study of phase transformation of 2D carbon under high pressure	Huiyang Gou	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	6	BL04B1	Np
217	2025A1377	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	14.75	BL47XU	Np
218	2025A1379	Structural Analysis of Mechanosensory Trichome Cells in Plants	Mika Nomoto	Nagoya University	Japan	Educational Organization	Life Science	3	BL20B2	Np
219	2025A1380 *	Dynamics of intracellular ultrastructure under cryopreservation	Masaru Nakada	Toray Research Center, Inc.	Japan	Industry	Life Science	6	BL19B2	Np
220	2025A1381	Development of a method for vibrational circular dichroism spectroscopy of solid samples	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL43IR	Np
221	2025A1382	Structure Analysis of Deep Eutectic Solvent-based Electrolytes for Electric Double Layer Capacitors	Saki Sawayama	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
222	2025A1383	Phase relations of FeS under high pressure and temperature: towards understanding of the mixing properties of the Martian core liquids	Tetsuya Komabayashi	University of Edinburgh	UK	Foreign	Earth and Planetary Science	9	BL10XU	Np
223	2025A1384	Atomic Structure of Sn-Se Functional Materials in the Amorphous and Liquid States	Evgeny Bychkov	University of the Littoral Opal Coast	France	Foreign	Materials Science and Engineering	9	BL04B2	Np
224	2025A1385	Construction of simultaneous measurement system for total X-ray scattering and Raman spectroscopy	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.875	BL04B2	Np

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225	2025A1386	Investigation of the reaction mechanism of the oxygen evolution reaction on Ru-doped MnO2 water electrolysis catalysts using kinetic isotope effect by time-resolved operando XAFS measurements	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	12	BL36XU	Np
226	2025A1388	Relationship between atomic configuration and electrode properties of In-substituted Ti2Nb10O29-based negative electrode materials for lithium-ion batteries	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
227	2025A1389	Magnetic Circular Dichroism analysis of magnetic anisotropy of L10-FePtEr with machine learning	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
228	2025A1390	Automated analysis and extracting hidden information from MCD spectral big data by machine learning	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	11.375	BL25SU	Np
229	2025A1391	Elucidation of correlation of hydrogen bonding of polyurethane and PLA fibers during drawing	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
230	2025A1392	Measurement of ultra-low energy level of Thorium-229 Isomer with high brightness X-ray light source	Koji Yoshimura	Okayama University	Japan	Educational Organization	Elementary Particles, Nuclear Science	17.75	BL19LXU	Np
231	2025A1393	Interface characterization through in-situ glancing angle X-ray absorption spectroscopy on Ni based anode electrocatalysts stabilized by Zn doping	Keisuke Obata	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL37XU	Np
232	2025A1396	Visualization experiment of contact deformation and strain on tire rubber and road surface by X-ray CT	Masami Matsubara	Waseda University	Japan	Educational Organization	Materials Science and Engineering	6	BL28B2	Np
233	2025A1398	Characterization of surface amorphous layer on perovskite oxygen evolution electrocatalyst formed on conductive oxide substrate through operando glancing angle X-ray absorption spectroscopy	Keisuke Obata	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL37XU	Np
234	2025A1399	Effect of concentration of additive elements on graphite formation in ultra-pure Fe-C alloy	Akira Sugiyama	Osaka Sangyo University	Japan	Educational Organization	Industrial Applications	9	BL20B2	Np
235	2025A1401	Phase transition and equation of state of MgO	Takeshi Sakai	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
236	2025A1403	Electrical conductivity measurements of superionic H_2O using laser-heated diamond anvil cells	Koutaro Hikosaka	Institute of Science Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
237	2025A1404	In-situ Relative viscosity measurements between periclase and bridgmanite	Noriyoshi Tsujino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	11.875	BL04B1	Np
238	2025A1405	In situ molecular chain structure analyses of various polymer films during permeation of carbon dioxide by X-ray scattering	Ken Kojio	Kyushu University	Japan	Educational Organization	Chemical Science	6	BL05XU	Np
239	2025A1406	Phase relation and compression behavior of H2O-NH3 system	Takeshi Sakai	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
240	2025A1408	Development of N-shaped organic semiconductors with short alkyl chains: investigation and control of polymorphic behavior	Toshihiro Okamoto	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL44B2	Np
241	2025A1409	Identification of the assembled structure of asymmetric chiral discotic liquid crystalline molecules	Kosuke Kaneko	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
242	2025A1410	Correlation between structural heterogeneity and electron momentum distributions in metallic glasses	Kazuhiro Matsuda	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	15	BL08W	Np
243	2025A1411	Amorphization of calcium carbonate occurs under high-pressure and high-temperature conditions?_Observations by X-ray diffraction using monochromatic X-rays.	Hiroyuki Kagi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	11.75	BL04B1	Np
244	2025A1412	Single crystal structure analysis of functional fullerene derivatives	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	3	BL41XU	Np
245	2025A1413	Multiscale three-dimensional operando analysis of charge-discharge reaction distribution in composite electrodes of solid-state lithium-ion batteries using automatic switching system between imaging and projection CT-XAFS combined with self-organized electrode fabrication technique, and systematic investigation of correlation between electrode microstructure and reaction distribution	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL37XU	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)
246	2025A1414	Non-destructive measurement of practical lithium rechergeable batteries using coded aperture Compton scattering imaging	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Chemical Science	9	BL08W	Np
247	2025A1415	Observations of dendrite in bulk Al-Cu specimens at higher cooling rates: construction of time evolution equation for estimating solidification structure	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL20B2	Np
248	2025A1417	Time-resolved 4D-CT+XRD measurement of austenite grain coarsening after a massive-like transformation in Fe-based alloys	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL47XU	Np
249	2025A1419	Photoelectron holography experiments for tender x-ray 2	Yusuke Hashimoto	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	17.875	BL27SU	Np
250	2025A1420	X-ray Structural Analysis of Thermal Property Enhancement of Polyester by Addition of Tannic Acid	Hiroshi Uyama	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
251	2025A1422	Speciation of transition metal elements in Ryugu by micro-XRF-XAFS analysis: identification of reactions controlling the water metamorphic environment and dissolved concentrations in the Ryugu parent body	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	12	BL37XU	Np
252	2025A1423	Deformation-induced antigorite dehydration and shear instability in a peridotite capsule	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
253	2025A1424	Magnetic Compton imaging of Oxidezed Iron core	Naruki Tsuji	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL08W	Np
254	2025A1425	Experimental verification of the effect of insertion of a protective layer at the electrode/electrolyte interface 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
255	2025A1427	Ultrafast PDF Analysis of Supercooled Liquid Structure through Rapid Cooling Process of Glass Melts	Hiroki Yamada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL08W	Np
256	2025A1428	Dynamics of shear-thickening phenomena by milli-second time-resolved USAXS	Keishi Akada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL20XU	Np
257	2025A1429	Evaluation of semiconductor detectors aboard the US-Japan joint sounding rocket experiment FOXSI-4 and 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	15	BL20B2	Np
258	2025A1432	Visualization of catalyst degradation process by X-ray total scattering measurement combining solar slit and low-noise CdTe 2D detector	Hiroki Yamada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL04B2	Np
259	2025A1433	Investigation of diamond elastic proprieties under high pressure and high temperature using in-situ ultrasonic interferometry	Huiyang Gou	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	11.75	BL04B1	Np
260	2025A1434	Atomic defect controlling magnetic anisotropy in van der Waals itinerant ferromagnet analyzed by core-level photoemission holography	Kohei Yamagami	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.75	BL25SU	Np
261	2025A1436	The viscosity of sodium-rich carbonate melt to the lower mantle conditions	Longjian Xie	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Earth and Planetary Science	9	BL04B1	Np
262	2025A1437	Mechanism of cobalt, platinum and vanadium concentration in manganese clusters and crusts.	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	14.75	BL39XU	Np
263	2025A1440	Elucidation of interfacial mechanical properties of dissimilar joints through approaches between microscale peel testing/high-resolution X-ray computed tomography	Tomoki Matsuda	Osaka University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
264	2025A1443	In situ observation of interfacial behavior during the synthesis of macroporous monolith by X-ray multiscale imaging for structural control of layered double hydroxides	Yuki Sada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL20XU	Np
265	2025A1444	Measurement of the atomic arrangement of boron in B-doped Si using photoelectron holography.	Yuta Yamamoto	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	11.75	BL25SU	Np
266	2025A1445	Experimental constrain on the effect of partial melt on the elastic velocities of mantle rock aggregates	Steeve Greaux	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np

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267	2025A1446	High-throughput high-energy X-ray total scattering measurements of zeolites during heating at elevated temperatures focusing on the negative thermal expansion associated with differences in the types of framework elements under humid conditions for the creation of novel negative thermal expansion zeolites using machine learning approaches	Yuki Sada	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.875	BL04B2	Np
268	2025A1451	Structural analysis of novel supramolecular architectures created in microfluidic field	Munenori Numata	Kyoto Prefectural University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
269	2025A1452	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
270	2025A1455	Phase Behavior of Amino Acid-Sugar Hybrid Surfactants in Aqueous Solution	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
271	2025A1457	Two dimensional elemental analyses for copper and several elements in the radular tissue of chitons by micro SR-XRF	Michiko Nemoto	Okayama University	Japan	Educational Organization	Environmental Science	9	BL37XU	Np
272	2025A1458	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
273	2025A1459	High-pressure behaviours of transition metal dichalcogenides	Huiyang Gou	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
274	2025A1462	Investigation on new IR properties of mixed-anion cluster chalcohalide under pressure	Lingping Kong	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	12	BL43IR	Np
275	2025A1464	Low-Temperature Crystal Structures and Phase Transition Analysis in single-layered Ruddlesden-Popper Structure compounds.	Zhengduan Zhang	Zhejiang University	China	Foreign	Materials Science and Engineering	9	BL04B2	Np
276	2025A1465	Revealing microscopic origin of excellent plasticity in ductile thermoelectric Ag2(S,Se,Te)	Jiawei Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL08W	Np
277	2025A1466	Visualization of Gas Adsorption-Induced Structural Transformation Propagation in Flexible PCP Single Crystals	Hirotoshi Sakamoto	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
278	2025A1469	Development of high-flux soft-X-ray nanoprobes formed by ultracompact mirrors toward multimodal analyses at SPring-8-II	Takenori Shimamura	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	12	BL25SU	Np
279	2025A1472	CDW and SDW in superconducting nickelates single crystals under hydrostatic pressure and low temperatures	Di Peng	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	9	BL10XU	Np
280	2025A1475	Polarized microscopic vibrational spectroscopic experiments for the analysis of guest molecule in 1D channels of butterfly-shaped indanedione dimer crystal	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
281	2025A1477	Study the role of In and Ce in the inhibition of dry reforming for propane dehydrogenation	Feng Wang	University College London	UK	Foreign	Chemical Science	12	BL14B2	Np
282	2025A1492	Observation of a redox reaction on Sr-Fe based layered perovskite by using in-situ XRD measurements	Takafumi Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL13XU	Np
283	2025A1494	Elucidation of the Phase Transition Mechanism in Multicomponent Crystals Composed of Conformationally Flexible Molecules	Toshiyuki Sasaki	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL02B1	Np
284	2025A1495	Achieving large negative thermal expansion over an extended temperature range in PbTiO3-Based ferroelectrics by design	Zhao Pan	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL02B2	Np
285	2025A1497	Research on High-Pressure Quantum Materials	Yifeng Han	Hainan University	China	Foreign	Chemical Science	6	BL44B2	Np
286	2025A1500	In-situ XAFS analysis for heterogeneous catalyst with high hydroformylation performance	Yuki Nakaya	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
287	2025A1502	Operand analysis of formation and structure of boundary lubrication films during scuffing by synchrotron X-ray diffraction technique	Kazuyuki Yagi	Kyushu University	Japan	Educational Organization	Industrial Applications	3	BL13XU	Np
288	2025A1505	Observation of single-crystal X-ray diffuse scattering in pyrochlore-type niobium oxide Y2-xCaxNb2O7	Shunsuke Kitou	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np

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289	2025A1506	Electronic states analysis of hydrogen storage alloy catalysts by ambient pressure hard X-ray photoelectron spectroscopy	Satoshi Kameoka	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL46XU	Np
290	2025A1508	Operando Analysis of Metal Copper Nanoclusters Derived from Single-Atom Copper Catalysts for CO_2 Electroreduction	Kazuhide Kamiya	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
291	2025A1510	In-situ observation of formation process and hydrogenation/fluoridation behavior of new oxygen-deficient ordered perovskites BiMO3-x and PbMO3-x	Takumi Nishikubo	Kanagawa Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL02B2	Np
292	2025A1511	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
293	2025A1515	Elucidate mechanism of Metal-phosphide, widely used for water splitting electrocatalyst, with Insitu AP-HaXPES analysis	Kijung Yong	Pohang University of Science and Technology	Korea	Foreign	Chemical Science	12	BL46XU	Np
294	2025A1517	Investigation on the structural phase transition of two-dimensional Van der Waals compounds MBinOn+1Xn (M = Mn, Fe, X = Cl, Br, n=1, 3) with magnetic transition metal cations.	Congling Yin	Guilin University of Technology	China	Foreign	Materials Science and Engineering	6	BL02B2	Np
295	2025A1519	Electric field induced spin state transition in the Sr substituted layered La2CoO4	Dinesh Shukla	UGC-DAE Consortium for Scientific Research	India	Foreign	Materials Science and Engineering	9	BL01B1	Np
296	2025A1520	Study of reference peak identification method considering recoil effects for energy calibration of deep core levels.	Tappei Nishihara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	5	BL46XU	Np
297	2025A1524	Relationship between hydrogen-related defects and lattice strain in amorphous oxide semiconductor thin films	Masatake Tsuji	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
298	2025A1525	In-situ X-ray diffraction measurement of high-temperature phase transformation behavior in functional titanium alloys	Masaki Tahara	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
299	2025A1526	Analysis of Crystal Structure Change during Stress-Induced Martensitic Transformation by In-situ XRD Measurement	Masaki Tahara	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
300	2025A1529	Determination of the chemical composition of topochemical hydrogenated perovskite oxides with multiple B-site cations	Yuki Sasahara	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
301	2025A1530	Rietveld and PDF analysis in ferrimagnetic quadruple perovskite oxides	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL02B2	Np
302	2025A1532	Evaluation of electronic structure of carrier doped LaMnO3 with hydrogen ion beam irradiation in the deep area	Mitsuhiko Maesato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
303	2025A1533	Time-resolved structure analysis of ion displacement in fluctured ferroelectric ceramics not following a high-frequency AC electric field	Yoshihiro Kuroiwa	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
304	2025A1534	Structure Determination and Melting-behavior Observation of Semiconductive MOFs with Long Alkyl Chains Synthesized by High Throughput Screening Synthesis	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
305	2025A1536	Elucidating mechanism of Mars–van Krevelen-type reverse water–gas shift reaction by Operando XAS-DRIFTS spectroscopy	Shimpei Naniwa	Kyoto University	Japan	Educational Organization	Chemical Science	8	BL01B1	Np
306	2025A1537	Development of a powder diffraction measurement technique for material melting and solidification processes using an inclined spinner	Shintaro Kobayashi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL02B2	Np
307	2025A1538	Investigation of active sites on Fe-based alloy ammonia synthesis catalysts by in-situ XAFS analysis	Katsutoshi Sato	Nagoya University	Japan	Educational Organization	Chemical Science	9	BL14B2	Np
308	2025A1539	Studies of positive and negative electrode for Na-ion batteries using in situ near 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
309	2025A1540	Operando investigation of the resistive switching mechanism in flexible porous-coordination-polymer-based chemiresistor and memristor	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL16XU-P	Np
310	2025A1543	Measurement of effect of hydrogen on change in disloacation density with tensile deformation in hydrogen-filled stainless steel using in-situ X-ray diffraction tensile, establishment of low temperature tensile test	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
311	2025A1544	In-situ XAFS study on reaction mechanism of Ru catalysts under NH3 synthesis under high pressure	Feng Wang	University College London	UK	Foreign	Chemical Science	12	BL14B2	Np

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312	2025A1547	Analysis of combined piezoelectric and thermal strain dynamics in nitride-based HEMT by time resolved in situ nanobeam XRD under operating bias condition	Tetsuya Tohei	Osaka University	Japan	Educational Organization	Materials Science and Engineering	15	BL13XU	Np
313	2025A1548	The role of local disorder for the structural quantum criticality and in (Sr1-xCax)3Rh4Sn13 Superconductors	Jens Stellhorn	Shimane University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
314	2025A1551	Investigation of Electronic State Changes Accompanying Phase Transitions in One-Dimensional vdW Thin Films	Yi Shuang	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
315	2025A1552	Exploration of the relationship between oxygen-defect distribution and the physical properties in the series of (InGaO3)m(ZnO)n by using hard x-ray photoemission spectroscopy	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
316	2025A1554	Investigation of electronic state and local structure in thermal reentrant change of crystalline phases in layered nickelates	Hideyuki Kawasoko	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL14B2	Np
317	2025A1558	Local structural analysis by XAFS measurements for a metal-organic framework exhibiting outstanding emission changes with multi-step structural conversions driven by ammonia adsorption	Haruka Yoshino	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
318	2025A1559	Structure–property relationship study of polymer electrolyte membranes for fuel cell by simultaneous measurement of SAXS and proton conductivity	Hiroki Iwase	Comprehensive Research Organization for Science and Society	Japan	National and Nonprofit Organization	Industrial Applications	6	BL19B2	Np
319	2025A1560	Dimension-Controlled Ion-Pairing Assembly of Peripherally Modified Charged π-Electronic Systems	Hiroki Horita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
320	2025A1561	Control of aggregated structures of high-performance organic semiconductors: molecular design strategy toward enhancement of thermal stability for zigzag-shaped π-conjugated molecules	Toshihiro Okamoto	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
321	2025A1563	Crystal structure investigation of maghemite (γ-Fe_2O_3) by single crystal synchrotron X-ray diffraction method	Atsushi Kyono	University of Tsukuba	Japan	Educational Organization	Earth and Planetary Science	3	BL02B1	Np
322	2025A1566	Unveiling the Adsorption Mechanism of Interpenetrated Porous Coordination Polymers with Gate-Opening Behavior for CO_2 at Room Temperature	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
323	2025A1567	Operando Structural Analyses of Ni Alloy Oxygen Evolution Catalysts Prepared by Aqueous Solution Process	Hiro Minamimoto	Kobe University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
324	2025A1568	In-Situ Powder X-Ray Diffraction Analysis of CuO Electrode Materials Synthesized via Chemical Precipitation and Hydrothermal Techniques for Next-Generation Rechargeable Batteries	Charith Jayathilaka	University of Kelaniya	Sri Lanka	Foreign	Materials Science and Engineering	3	BL19B2	Np
325	2025A1570	Observation of Elastic-Plastic Deformation Behavior of Ultrafine Grain Metall by In-situ XRD / DIC during Tensile Deformation	Yuki Ishii	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
326	2025A1573	Precise analysis of guest molecule electron density in a one-dimensional channel in a crystal	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
327	2025A1574	HAXPES evaluation of the effect of uniaxial and biaxial strains introduced by bridge structures on the binding energies of the valence band and inner shell levels of Ge	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
328	2025A1575	Shear Thickening Behavior of Silica Suspension in Aqueous Polyhydric Alcohol Solution	Naoya Torikai	Mie University	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
329	2025A1576	HAXPES study on chemical bonding state of hydrogen in solids	Genki Kobayashi	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL46XU	Np
330	2025A1577	Structural Analysis of Foams Formed by Sugar-Based Nonionic Surfactant with Multi–Branched Methyl Chains Using SAXS	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	9	BL19B2	Np
331	2025A1624	Unraveling the origin of specific thermal stability and fine structural dynamics of non-equilibrium alloy particles by operando XAFS/XRD	Kazuki Shun	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
332	2025A1690	Visualziation of the Electronic Structure Evolutions of Sodium-Based Layered Oxides via synchrotron radiation X-ray diffraction	Zhigang Zhang	Yantai University	China	Foreign	Materials Science and Engineering	6	BL02B2	Np
333	2025A1692	Low-temperature luminescence mechanism in a novel layered lead halide	Takafumi Yamamoto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np

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334	2025A1694	In-situ XAS study on zeolite-encapsulated trimetallic NiInLa alloy for methylcyclohexane dehydrogenation reaction	Lichen Liu	Tsinghua University	China	Foreign	Chemical Science	6	BL14B2	Np
335	2025A1695	Observation of improved OER performance and durability of Pd-doped FeCoNiCu catalysts using the dip and pull method	Okkyun Seo	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	9	BL46XU	Np
336	2025A1698	“Chiral Thermo/Piezo- Chromism of Luminescence” for a series of Transition Metal and Lanthanoid Multinuclear Complexes	Kazuma Takahara	University of Hyogo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
337	2025A1699	Chemical bonding of copper sulfide energy materials	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
338	2025A1701	Amorphization of High-Pressure Minerals in Meteorites and Impact Temperature-Pressure History	Masayuki Nishi	Osaka University	Japan	Educational Organization	Earth and Planetary Science	6	BL02B2	Np
339	2025A1702	Reaction distribution through the thickness of positive electrodes with different reactivities in all-solid-state lithium-sulfur batteries	Hiroshi Nagata	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	6	BL46XU	Np
340	2025A1703	Operando XAFS observation of low-valent isolated Ru species driving low-temperature methanation	Kohsuke Mori	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
341	2025A1704	Elucidation of the effect of the core and ligand structure of copper clusters on their carbon dioxide reduction activity	Tokuhisa Kawawaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	Np
342	2025A1705	Crystal structure determination of halogen-containing semiconductive MOF synthesized based on materials informatics	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
343	2025A1706	Elucidation of the correlation between adsorption and structural transformation in semiconductor MOFs exhibiting gate sorption behavior	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
344	2025A1707	XAFS analysis of Rh-based heterogeneous catalysts for the hydrogenolysis of isosorbide to polyols	Pengru Chen	Osaka Metropolitan University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
345	2025A1710	Determination of crystal structure of saccoite-like mineral from Takahashi city, Okayama Prefecture, Japan	Yuki Mori	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	3	BL02B1	Np
346	2025A1711	Elucidation of Interfacial Reaction Mechanism in Novel Binder Electrodes for High-Power Sodium-Ion Batteries Using Hard X-ray Photoelectron Spectroscopy	Changhee Lee	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL46XU	Np
347	2025A1712	Development of hard X-ray photoelectron spectroscopy excited by photo energy of 40 keV II	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL46XU	Np
348	2025A1713	Flexible behavior in Zeolite materials triggered by methane sorption	Javier Lopez	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
349	2025A1714	Ex-situ and In-situ evaluation of the structure of mixed electron-ion conductive polymer materials	Shunsuke Yamamoto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
350	2025A1715	Identification of killer defects in GaN power devices using leakage-current-induced thermal strain	Yusuke Hayashi	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL13XU	Np
351	2025A1716	The effect of morecular weight and drawing conditions on the fibrillar hieratical structure during tensile deformation of Poly (ethylene terephthalate) and Poly(phenylene sulfide) fiber.	Ren Tomisawa	Shinshu University	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
352	2025A1717	X-ray adsorption analyses of interpenetrated coordination polymer glasses obtained by mechanical processes	Hiroyasu Tabe	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL14B2	Np
353	2025A1718	Diffuse scattering and correlated disorder of aliovalence-doped CaF2 single crystals	Jiawei Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	9	BL02B1	Np
354	2025A1721	Structural assessment of TiO2-SiO2 glass before and after EUV irradiation	Yong Kyoo Choi	Korea Aerospace University	Korea	Foreign	Materials Science and Engineering	1	BL19B2	Np
355	2025A1722	Investigation of structure and reaction mechanism of novel subnitride	Daichi Kato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
356	2025A1726	Photo-induced sequential structural phase transition of CuIr2S4	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np

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357	2025A1727	Formation and crystallographic analysis of highly-ordered p-n heterojunctions of epitaxial molecular semiconductors on solution-grown organic semiconductor crystals (II)	Yasuo Nakayama	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL19B2	Np
358	2025A1728	Control of the arrangement structure of gel-layer-coated melanin particles in solution by external stimuli and evaluation of the arrangement regularity	Michinari Kohri	Chiba University	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
359	2025A1729	Investigation of the Structural-Selectivity Relationship in NiCo and CuCo Electrocatalysts for Engineered Biomass Depolymerization Reaction using X-ray Absorption Spectroscopy Analysis	Yuwei Yang	University of New South Wales	Australia	Foreign	Materials Science and Engineering	8	BL14B2	Np
360	2025A1731	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	Hiroyasu Fujitsuka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
361	2025A1732	Structural analysis on the incommensurate charge density wave compound EuTe4	Akitoshi Nakano	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
362	2025A1738	The Studies of the Mg-Intercalated GaN Superlattice (MiGs) Structure	Guangxu Ju	Peking University	China	Foreign	Materials Science and Engineering	12	BL13XU	Np
363	2025A1739	Hard x-ray photoemission spectroscopy of candidate of ambient-pressure high-Tc nickelate superconductor Sr3Ni2O5Cl2	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
364	2025A1740	Analysis of Nitric Oxide Reduction Reaction on Supported Novel Metal Catalysts with Different Particle Sizes by XAFS, FT-IR and Simultaneous Measurements with Mass Spectrometry	Hirona YAMAGISHI	CATALER Corporation.	Japan	Industry	Industrial Applications	12	BL01B1	Np
365	2025A1741	Identification of the oxygen vacancies of HZO (HfxZr1-xO2) at the interface between HZO and top electrodes under bias conditions	Yonghun Kim	Korea Institute of Materials Science	Korea	Foreign	Materials Science and Engineering	12	BL09XU	Np
366	2025A1743	Observation of crystallization process of one-dimensional perovskite crystals	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
367	2025A1745	Crystal structure analysis of hydride ion conductors of layered perovskite-type oxyhydrides by synchrotron X-ray powder diffraction method at high temperature	Hiroshi Yaguchi	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B2	Np
368	2025A1746	Structural Control and Fine Structural Analysis of Hybrids Comprising Organic Ligands and Molecular Metal Oxides via Junction Structure Selection	Kosuke Suzuki	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
369	2025A1748	Effect of relaxation of lattice distortion by hydrogen-related impurities on electronic states in amorphous oxide semiconductor thin films.	Masatake Tsuji	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
370	2025A1749	Relationship between the ordered structure and anomalous Hall effect in Co2MnAl Weyl semimetal	Tomoya Nakatani	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	5	BL16XU-P	Np
371	2025A1750	Strong and zero-thermal-expansion titanium alloy driven by nanoscale phase separation	Zhaowen Bai	City University of Hong Kong	Hong Kong	Foreign	Materials Science and Engineering	3	BL19B2	Np
372	2025A1751	Effects of partial substitution on crystal and electronic structures of Ti-Nb-O-based anode materials with high capacity and excellent safety	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
373	2025A1753 *	Unravelling the mechanism of H− incorporation in the BaM1−xInxO3−0.5xHy (M = Zr, Sn, Ce) metal oxyhydride materials	Seongwoo Jeong	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	4	BL01B1	Np
374	2025A1754	The structural analysis and observation of crystallization process of sulfide sodium superionic conductors	Naoki Matsui	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
375	2025A1755	Development of a powder diffraction measurement technique using an inclined and oscillation spinner for precise structural analysis of bulk materials	Shintaro Kobayashi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL13XU	Np
376	2025A1756	Mechanism of thermal and thermo-mechanical stability of newly designed high-entropy shape memory alloy	Yanxu Wang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL19B2	Np
377	2025A1757	Investigations on Formation Reaction Rate and Structural change of Layered Oxide NayMn1-xMexO2 as Positive Electrode Materials for Rechargeable Next-Generation Batteries Using Synchrotron X-Ray Diffraction	Shinichi Komaba	Tokyo University of Science	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
378	2025A1759	Investigations on Formation Mechanisms of Layered Oxide AxMeO2 (A = Li, Na, K) as Positive Electrode Materials for Rechargeable Next-Generation Batteries by X-Ray Absorption Spectroscopy	Shinichi Komaba	Tokyo University of Science	Japan	Educational Organization	Chemical Science	9	BL14B2	Np

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379	2025A1760	Dimension-Controlled Assembly of Activated Porphyrin Cations	Hiroki Horita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
380	2025A1761	Atomically Precise Synthesis of Carbon-Supported Au Cluster Catalyst Doped with Heterometal by Controlling Calcination Atmosphere	Shinya Masuda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
381	2025A1762	Charge and magnetic phase transition in Cadmium doped Bismuth ferrites.	Kunlang Ji	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
382	2025A1764	Local Structure and Electronic State Analysis of Metal Oxide-Modified Rh Catalysts for Ethanol Production via CO_2 Hydrogenation at Low Temperatures by XAFS	Hiroki Miura	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
383	2025A1765	Elucidation of reaction mechanisms of ammonia synthesis on BaTiO3-xHx studied by operando hard X-ray photoelectron spectroscopy	Takanori Koitaya	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL46XU	Np
384	2025A1766	Crystal structure analysis of a single-shot powder diffraction data in the gas adsorption process of a porous coordination polymer	Yoshiki Kubota	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
385	2025A1767	Elucidation of correlation between thermal structural phase transitions and dielectric responses exhibited by single crystals formed by polarized unsymmetrical dithiolene metal complexes as components for molecular electronic materials	Kazuya Kubo	University of Hyogo	Japan	Educational Organization	Chemical Science	9	BL02B1	Np
386	2025A1768	Elucidation of the Adsorption Mechanism of Flexible Porous Coordination Polymers with C_3 Gas Separation Properties Utilizing Adsorption Kinetics Differences	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
387	2025A1769	Low-temperature HAXPES study on metal-insulator-transition in epitaxial V2O3 thin films grown on sapphire(0001) substrates	Hyon Chol Kang	Chosun University	Korea	Foreign	Materials Science and Engineering	12	BL09XU	Np
388	2025A1770	In situ SCXRD investigation of the Adsorption Mechanism of Flexible Porous Coordination Polymers with C_3 Gas Separation Properties Utilizing Adsorption Kinetics Differences	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
389	2025A1771	Detection of chemical states of segregated additive elements in steel using hard X-ray photoelectoron spectroscopy with micro-focused beam	Kazushi Hayashi	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	6	BL09XU	Np
390	2025A1772	Crystal structure and phase transition of novel palmierite-type and perovskite-type ion conductors	Masatomo Yashima	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
391	2025A1773	Surface Analysis of $(Zr,Ti)(Cr,Mn)_2$-Based Hydrogen Storage Alloys Poisoned by CO_2 Using Hard X-ray Photoelectron Spectroscopy	Keita Shinzato	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	6	BL09XU	Np
392	2025A1774	Structural Investigation of Thin Rhodium Metal-Organic Cages	Donglin He	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
393	2025A1776	Crystal structure analysis of the surface of a bulk alloy with an anisotropic crystal structure	Haruka Takekuma	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL19B2	Np
394	2025A1780	Electron density and correlated disorder in functional materials from single crystal X-ray scattering	Bo Iversen	University of Aarhus	Denmark	Foreign	Materials Science and Engineering	12	BL02B1	Np
395	2025A1781	Time-resolved structural analysis of zeolite showing CO2 trapdoor adsorption behavior	Shunsuke Tanaka	Kansai University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
396	2025A1782	Investigation of the Local Environments around Metal in Inorganic Supramolecular Polymer by EXAFS	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL14B2	Np
397	2025A1786	In situ ambient pressure HAXPES for probing electrical double layer in electrochemistry through silicon nitride window thinner than probing depth	Beomgyun Jeong	Korea Basic Science Institute	Korea	Foreign	Chemical Science	9	BL46XU	Np
398	2025A1788	Analysis of microstructural changes in hair due to heat treatment using small-angle X-ray scattering	Kazuki Kobayashi	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	4	BL19B2	Np
399	2025A1789	Development of time-resolved SAXS-XAS observation of electrochemical reduction of Ag-In mixed metal oxide for elucidation of formation mechanism of Ag-In intermetallic alloy nanoparticles	Soichi Kikkawa	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL19B2	Np
400	2025A1791	Electronic density reshuffling between transition metal and oxygen dimer in lithium-rich layered oxides.	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	3	BL01B1	Np

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401	2025A1793	XAS characterization of next generation localized Joule heating microchip catalyst	Ning Yan	National University of Singapore	Singapore	Foreign	Chemical Science	9	BL14B2	Np
402	2025A1794 *	Emergency of ferroelectricity by cation-disordered arrangement in layered perovskite oxides	Koji Fujita	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
403	2025A1795	Investigation of the formation mechanism of unusual high valence states of Mo in Mo-doped MnO2 catalysts by high-temperature in-situ XAFS experiment	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	6	BL14B2	Np
404	2025A1796	Characterization of nanodomains in Li2O-SiO2 glass using small-angle X-ray scattering	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	1	BL19B2	Np
405	2025A1797 *	Rietveld and PDF analysis in ferrimagnetic double perovskite oxides (RE1-xLax)2MnCoO6 (RE = Pr, Nd, Sm)	Seiya Shimono	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B2	Np
406	2025A1798	Static and dynamic structural fluctuations in oxide glasses containing intermediate oxide groups using low-temperature EXAFS measurements	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL14B2	Np
407	2025A1800	Operando measurements by atmospheric pressure photoelectron spectroscopy to elucidate the unique photoinduced electronic conduction properties of Sn-doped BaTiO3	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL46XU	Np
408	2025A1801	Elucidation of the long-term stability mechanism of ceramic separator materials for microbial fuel cells using high-resolution powder X-ray diffraction	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
409	2025A1802	Precise single crystal structure analysis for the observation of the conformational change of metal-organic rhombic dodecahedra depending on temperature	Shuhei Furukawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
410	2025A1803	Determination of the origin and distribution of field stress-induced charge traps in SiO_2/AlN/GaN structures by voltage-applied AR-HAXPES	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
411	2025A1804	Study on the Martensitic Transformation of Fe-based Alloys: Analysis of Element-Selective Atomic Displacements Detected by RMC Modeling and EXAFS	Naoki Ishimatsu	Ehime University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
412	2025A1805	Evaluation of Structural Rearrangement in Pentacene Thin Films Grown at Low Temperature by In-situ Grazing Incidence Two-Dimensional X-ray Diffraction	Ryosuke Matsubara	Shizuoka University	Japan	Educational Organization	Materials Science and Engineering	9	BL19B2	Np
413	2025A1806	Probing the Dynamic Evolution of Structures in Ru@RuOx during Acidic Oxygen Evolution Reaction	Dongshuang Wu	Nanyang Technological University	Singapore	Foreign	Chemical Science	12	BL14B2	Np
414	2025A1807	Operando X-ray diffraction during torsion fatigue process in steel	Satoshi Sugano	Nippon Steel Corporation	Japan	Industry	Industrial Applications	9	BL13XU	Np
415	2025A1808	In-situ HAXPES measurements on carburization on CoNi catalyst significantly boosts reverse water gas shift reaction	Dongshuang Wu	Nanyang Technological University	Singapore	Foreign	Industrial Applications	12	BL46XU	Np
416	2025A1811	Structural analysis of ultra-small multi-element oxide nanoparticles and analysis of reaction mechanism for oxygen evolution catalyst	Kazuyuki Iwase	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
417	2025A1813	Development of Highly Active Iron Phosphide Catalysts Enabling Biomass Refinery and Elucidation of Their Structure-Activity Relationship	Sho Yamaguchi	Kobe University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
418	2025A1832	Mechanism investigation of crystalline electrocatalysts based on metal-oxo clusters during hydrogen evolution reactions by operando XAFS measurements	Naoya Haraguchi	The University of Tokyo	Japan	Educational Organization	Chemical Science	9	BL14B2	Np
419	2025A1843	Investigation of Hydration Behaviors of Functional Nanoparticles for Application to DDS	Chie Kojima	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL43IR	Np
420	2025A1844	Evaluation of local structural changes due to photooxidative degradation of polymeric solids by synchrotron radiation microinfrared absorption spectroscopy	Atsushi Takahara	Kyushu University	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
421	2025A1845	Elucidation of the Mechanism of Hair Straightening Effects of Amino Acid Derivatives Composed of Organic Acids and Cysteamine	Hiroki Hotta	Kobe University	Japan	Educational Organization	Industrial Applications	6	BL43IR	Np

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422	2025A1846	Probing temperature-dependent dynamic local structure evolution in lead-free halide perovskites Cs3Bi2IxBr9-x by in situ synchrotron X-ray total scattering	Jiawei Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL08W	Np
423	2025A1848	Redox orbitals and electronic structure of NaNi0.67Mn0.33O2 cathode for Na-ion battery	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Materials Science and Engineering	9	BL08W	Np
424	2025A1849	Exploring structural evolution and OER dynamics of FexCoyOOH via HRXRD & PDF	Feng Wang	University College London	UK	Foreign	Chemical Science	15	BL08W	Np
425	2025A1851	Operando observation of structural changes in commerciarized Li batteries by high-energy X-ray diffraction	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Chemical Science	5.75	BL08W	Np
426	2025A1852	Ultrawide temperature range zero thermal expansion in Fe-B-Co amorphous materials	Kun Lin	University of Science and Technology Beijing	China	Foreign	Materials Science and Engineering	3	BL08W	Np
427	2025A1855	Time Dynamics of Atomic-Level Local High-Temperature Fields in Solid Catalysts Induced by Microwaves	Fuminao Kishimoto	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	8.5	BL08W	Np
428	2025A1856	Origin of negative thermal expansion in magnetic alloys studied by X-ray scattering method	Jun Chen	University of Science and Technology Beijing	China	Foreign	Chemical Science	5	BL08W	Np
429	2025A1858	Magnetic study of MOF-MOx/rGO hybrid nanocomposites by means of Magnetic Compton Scattering	Saeed Kamali-Moghaddam	University of Tennessee Space Institute	USA	Foreign	Materials Science and Engineering	15	BL08W	Np
430	2025A1859	フェリ磁性グラファイトの磁性を担う電子状態	Hiroshi Sakurai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	11.75	BL08W	Np
431	2025A1897	Tracing the molybdenum suboxide carbonization process during high-temperature reverse water-gas shift reaction using Operando XAFS and XRD(2)	Yasutaka Kuwahara	Osaka University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
432	2025A1901	The effect of morecular weight and drawing conditions on the fibrillar hieratical structure during tensile deformation of Polyphenylene sulfide fiber	Ren Tomisawa	Shinshu University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
433	2025A1902	Structural analysis of human skin stratum corneum under surfactant action by small-angle and wide-angle X-ray scattering measurements	Aika Kishimoto	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	3	BL19B2	Np
434	2025A1903	Structural and physical properties of pyrochlore-type ruthenium oxides using p-block elements in A site	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
435	2025A1905	Investigations of interfacial states on $LaMnO_3$ thin films during topotactic phase transition	Bongjin Mun	Gwangju Institute of Science and Technology	Korea	Foreign	Chemical Science	8.75	BL46XU	Np
436	2025A1906	Operand Analysis of Gate-All-Around Nanosheet Field-Effect Transistors using Nanobeam X-ray Diffraction	Akira Sakai	Osaka University	Japan	Educational Organization	Materials Science and Engineering	15	BL13XU	Np
437	2025A1908	Core-level photoemission spectroscopic study on the origin of long-range antiferromagnetic order in high-entropy oxide Mg⅕Co⅕Ni⅕Cu⅕Zn⅕O	Atsushi Yamasaki	Konan University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
438	2025A1909	Operando measurement of Ag loaded Ga2O3 photocatalysts under CO2 gas and water vapor by atmospheric pressure photoelectron spectroscopy	Tomoko Yoshida	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL46XU	Np
439	2025A1914	In-situ XAS study on self-pillared zeolite-encapsulated sub-nanometer Rh clusters for olefin hydroformylation reaction	Lichen Liu	Tsinghua University	China	Foreign	Chemical Science	5.75	BL14B2	Np
440	2025A1915	Time-Resolved X-ray Diffraction Analysis of Reversible Chromism and Gas Adsorption–Desorption Behavior in a Diazofluorene-Derived MOF	Kunihisa Sugimoto	Kindai University	Japan	Educational Organization	Chemical Science	3	BL13XU	Np
441	2025A1916	Structure Determination and Melting-behavior Observation of Semiconductive Ag-MOFs with Long Alkyl Chains Synthesized by High Throughput Screening Synthesis	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
442	2025A1918	Structural Analysis of Hydrogen-Bonding Characteristics Involving Transition Metal Atoms in Organometallic Complexes by the HAR Method	Kunihisa Sugimoto	Kindai University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
443	2025A1920	The investigation of band alignment and atom bonding status in bP/Graphene 2D heterostructure	Chao Tang	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL09XU	Np
444	2025A1922	Comprehensive Elucidation of the Formation Mechanism of Multipolar Ordering and the Sequential Structural Transition Process in the 5d1 Electron System Sr2ZnReO6	Kazunari Yamaura	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	2.75	BL02B2	Np

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445	2025A1923	Time-resolved rheo-USAXS 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	9	BL19B2	Np
446	2025A1924	Search for 3Q charge density wave transition in uranium-based kagome metals	Maximilian Hirschberger	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
447	2025A1925	Measurement of breakdown rate of garnet in eclogite experienced decompression under high temperature.	Yuki Mori	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	3	BL02B2	Np
448	2025A1926	In situ observation of hydrogen-addition reaction of the iridium complex catalyst in aqueous solvent by ambient-pressure hard X-ray photoelectron spectroscopy	Takanori Koitaya	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL46XU	Np
449	2025A1927	Negative thermal expansion and its role on luminescence thermal quenching	Qilong Gao	Zhengzhou University	China	Foreign	Chemical Science	5.875	BL02B2	Np
450	2025A1928	XAFS study on the active structure of Ce promoter and Pt active metal for methanol steam reforming	Feng Wang	University College London	UK	Foreign	Chemical Science	11.875	BL14B2	Np
451	2025A1933	Investigation of Relationship Between Structural Disorder of Bi Ions Induced by Quenching in Bi-based Ceramics and the Resulting Increase in Depolarization Temperature	Hyunwook Nam	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
452	2025A1935	Probing the Origin of Hydration and Mechanism of Determination of HydrationVolume in Proton-Conducting Oxides: Innovative Photoemission Spectroscopyby AP-HAXPES Enabling Atmospheric Gas	Takaya Fujisaki	Shimane University	Japan	Educational Organization	Materials Science and Engineering	6	BL46XU	Np
453	2025A1939	Revealing influence of hydrogen and defects for inorganic electronic materials by using hard X-ray photoemission spectroscopy	Shigenori Ueda	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	8.625	BL09XU	Np
454	2025A1940	Structural refinement of the U-shaped ligand-bridged tetranuclear rhodium complexes for highly efficient hydrogen evolution	Yusuke Kataoka	Shimane University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
455	2025A1943	Precious crystal structure analysis of transition metal clusters showing high catalytic performance	Yusuke Sunada	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
456	2025A1945	Research on the Structural Basis of New Negative Thermal Expansion Compounds with Ultra Wide Temperature Range	Jun Chen	University of Science and Technology Beijing	China	Foreign	Chemical Science	6	BL02B2	Np
457	2025A1946	Analysis of Electrode-Electrolyte Interface in Graphite Anodes Using Hard X-ray Photoelectron Spectroscopy	Yuki Orikasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	9	BL46XU	Np
458	2025A1947	Investigating the effects of oxygen pressure on long-range Ion rearrangement in amorphous tantalum oxide thin films using grazing-incidence x-ray scattering	L. S. Kumara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	2	BL19B2	Np
459	2025A1948	Operando XAFS study on enhanced activity on Pd and Pd-related catalysts for anion-exchange membrane fuel cells	Yuuki Sugawara	Institute of Science Tokyo	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
460	2025A1949	Facile X-Ray Single Crystal Structural Analysis for Microcrystals of High-Reactive π-conjugated Compounds containing Heavier Main Group Elements	Koh Sugamata	University of Tsukuba	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
461	2025A1950	Observation of structural transition and diffuse scatterings of NbSeI	Keita Kojima	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	4.125	BL02B1	Np
462	2025A1951	Dimension-Controlled Assembly of Amphiphilic Porphyrin AuIII Complexes That Have Appropriate Peripheral Substituents	Hiroki Horita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
463	2025A1952	In-situ structure observation of layered double hydroxides (LDHs) for nanosheet engineering -a study of Fe-type LDH-	Chikako Moriyoshi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
464	2025A1954	Observation of the oxygen vacancies of MoOx at the interface between MoOx and active layer device stack under bias conditions	Jiayi Tang	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.75	BL09XU	Np
465	2025A1956	hcp-Pd formed from hcp-PdCx nanoparticles via topotactic reaction	Kenshi Matsumoto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
466	2025A1957	Elucidation of the Electronic State of One-Electron σ-Bond by Valence Electron Density Analysis	Takeshi Hara	Tohoku University	Japan	Educational Organization	Chemical Science	5.625	BL02B1	Np
467	2025A1959	Elucidation of components' synergies in the redox behavior of Ce-based multinary oxides using operando XANES-TPR technique	Shinya Furukawa	Osaka University	Japan	Educational Organization	Chemical Science	8.875	BL14B2	Np

2025A, Performed General 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)
468	2025A1961	Tracking the Temperature-Dependent Conformational Changes of a Metal-Organic Rhombic Dodecahedra via Precise Single-Crystal X-ray Structure Analysis	Shuhei Furukawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
469	2025A1965	Emergence of V-V Dimer Liquid State in Ilmenite-type MgV1-xTixO3	Hajime Yamamoto	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
470	2025A1966	Elucidation of Self-Assembly Behavior via Liquid-Liquid Phase Separation of Temperature-Responsive Polymers	Yota Okuno	Kansai University	Japan	Educational Organization	Chemical Science	3	BL19B2	Np
471	2025A1967	Elucidation of the Adsorption and Chromic Mechanisms of a Flexible Porous Coordination Polymer Exhibiting Gas-Induced Color Change	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
472	2025A1968	Phase transition in woven coordination polymers	Javier Lopez	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
473	2025A1969	Elucidation of the Adsorption and Chromic Mechanisms of a Flexible Porous Coordination Polymer Exhibiting Gas-Induced Color Change via single-crystal X-ray diffraction analyses	Ken-ichi Otake	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
474	2025A1971	Precisse single-crystal X-ray structural analysis of diastereomeric cobalt-silver-based hydrated potassium ion conductors	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	2.875	BL02B1	Np
475	2025A1972	Observation of Structural Change in Novel Multi-element Metal Sulfide Nanosheets under Gas Atmosphere	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
476	2025A1974	Quantitative Analysis on Element–Structure–Property Relationship of Multi-Element Alloy Nanocatalysts based on XANES II	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL14B2	Np
477	2025A1977	Reversibility of oxygen redox dictated by oxygen coordination geometry	Kisuk Kang	Seoul National University	Korea	Foreign	Materials Science and Engineering	6	BL46XU	Np
478	2025A1978	Development of XRD-XAS measurement systems at BL14B2	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	6	BL14B2	Np
479	2025A1979	Measurement of phase transformation and dislocation density of austenitic stainless steel specimen filled with high pressure hydrogen gas in tensile deformation by In-situ tensile test and X-ray diffraction, step 8, establishment of low temperature tensile test method	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL16XU-P	Np
480	2025A1980	Probing Coordination Structures in Molten NaCl–$MgCl_2$–$LaCl_3$: Toward Viable Chloride-Based Fuels for Advanced MSRs	Marija Krstulovic	Centre National de la Recherche Scientifique	France	Foreign	Materials Science and Engineering	9	BL01B1	Np
481	2025A1981	Investigating the relationship between electronic structure and thermoelectric conversion properties in multi-element doped high-performance p-type half-Heusler compounds	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
482	2025A1982	Elucidation of Structural Changes in Prussian Blue Analogue Na2Co[Fe(CN)6] during Electrochemical Redox Using Synchrotron X-Ray Diffraction	Shinichi Komaba	Tokyo University of Science	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
483	2025A1984	XAFS Spectroscopy to Elucidate Selenium Oxyanion Binding Mechanisms at Synergistic Adsorption Sites Within Amorphous Porous Polymer Networks for Precise Aqueous Separations	Jeffrey Long	University of California, Berkeley	USA	Foreign	Chemical Science	5.75	BL01B1	Np
484	2025A1986	Verification of intrinsic temperature dependence of the electronic structure in possible thermoelectric Al-Pd-Ru quasicrystals by high-resolution HAXPES	Akira Sekiyama	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL09XU	Np
485	2025A1989	Elucidation of organic thin-film transistor operation mechanism characterized by operando X-ray scattering and photoelectron spectroscopy	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL46XU	Np
486	2025A1990	Molecular structure analysis of multi-functionalized fullerene derivatives using atomic pair distribution function	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
487	2025A1991	A Study on paleoenvironmental reconstruction by chemical species and isotopic ratios of trace elements in submarine ferromanganese crusts	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL01B1	Np
488	2025A1993	Elucidation of Mg/Li-ion co-intercalation reaction mechanism for nano-Li3V2(PO4)3/KB composite cathode	Katsuhiko Naoi	Tokyo University of Agriculture and Technology	Japan	Educational Organization	Chemical Science	11.75	BL01B1	Np
489	2025A1995	In-situ structure analysis of non-planar π-conjugated molecule-based dielectric crystals under an electric field	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np

2025A, Performed General Proposal

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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)
490	2025A1997	Search for Charge Density Waves in the High-T_c Cuprate Superconductor (Hg,Re)$Ba_2Ca_2Cu_3O_8$+δ	Naoki Murai	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B1	Np
491	2025A1998	Elucidation of the crystal structure in van der Waals materials intercalated with organic molecules via single-crystal X-ray diffraction measurements	Hideki Matsuoka	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
492	2025A2000	Analysis of Molecular Distribution at the Interface of Metals and Thermosetting Resins for Electronic Materials by Angle-Resolved HAXPES	Satoshi Maji	Sumibe Research Corporation Ltd.	Japan	Industry	Industrial Applications	5.75	BL46XU	Np
493	2025A2003	Determination of the origin and distribution of charge traps in CVD-Si3N4 by voltage-applied AR-HAXPES	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
494	2025A2004	Structural elucidation of in-situ formed active sites of delafossite-type mixed metal oxides for reverse water-gas shift reaction by using combined operando XAS-XRD measurement	Soichi Kikkawa	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
495	2025A2518	Structural analysis of ubiquitin signaling for intracellular degradation	Kei Okatsu	Kyoto University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
496	2025A2519	Structural analysis of membrane transport protein complexes	Kazuhiro Abe	Hokkaido University	Japan	Educational Organization	Life Science	3	PX-BL (EM01CT)	Np
497	2025A2521	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	35.75	PX-BL (BL26B1, BL41XU)	Np
498	2025A2522	CD28 binding of signal-transducing protein PI3K regulatory subunit and its interdomain interactions	Masayuki Oda	Kyoto Prefectural University	Japan	Educational Organization	Life Science	6	PX-BL (BL38B1)	Np
499	2025A2523	Structural and functional analysis of CRISPR-Cas system	Tomoyuki Numata	Kyushu University	Japan	Educational Organization	Life Science	9.5	PX-BL (BL45XU, EM01CT, EM02CT)	Np
500	2025A2527	Structural analysis for heme-related sensor protein	Rei Tohda	University of Hyogo	Japan	Educational Organization	Life Science	12	PX-BL (EM02CT)	Np
501	2025A2529	Crystal structure analysis of computationally designed artificial oligomeric proteins, antibody light chain oligomer, and artificially stabilized antibody	Tsuyoshi Mashima	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	2.25	PX-BL (BL45XU)	Np
502	2025A2531	Antibiotics development targeting gram-negative bacteria outer membrane proteins	Tsuyoshi Imasaki	Kobe University	Japan	Educational Organization	Life Science	6	PX-BL (EM01CT)	Np
503	2025A2532	Structure determination of the transcription regulator complex	Tsuyoshi Imasaki	Kobe University	Japan	Educational Organization	Life Science	6	PX-BL (EM01CT)	Np
504	2025A2533	Crystal structure of daptomycin stably complexed with phosphatidylglycerol responsible for the drug uptake	Zhihong Guo	Hong Kong University of Science and Technology	Hong Kong	Foreign	Life Science	0.5	PX-BL (BL45XU)	Np
505	2025A2535	Structural biology of agonist activity derived from antibodies	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	Np
506	2025A2536	Rational design of molecular glue that induces non-natural protein complexes	Hironori Hayashi	Tohoku University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	Np
507	2025A2539	Screening of conditions for long-time quality control of large photosystem II crystals	Keisuke Kawakami	RIKEN	Japan	National and Nonprofit Organization	Life Science	6	PX-BL (BL41XU)	Np
508	2025A2540	Structural analysis of Trypanosoma cruzi GMP reductase in complex with substrate or inhibitor by means of X-ray crystallography	Takashi Inui	Osaka Metropolitan University	Japan	Educational Organization	Life Science	2	PX-BL (BL26B1)	Np
509	2025A2541	Molecular structural basis toward elucidation and regulation of plant development	Kotaro Nishiyama	Meiji University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
510	2025A2543	Structural basis of microtubule network formation and repair	Ryo Nitta	Kobe University	Japan	Educational Organization	Life Science	6	PX-BL (EM01CT)	Np
511	2025A2544	Structural analysis of proteins involved in iron acquisition and transport system	Hiroshi Sugimoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	14	PX-BL (BL45XU, EM01CT)	Np

2025A, Performed General Proposal

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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)
512	2025A2545	Single crystal structure analysis of automatically synthesized giant artificial protein molecules using synchrotron radiation X-ray	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	9	PX-BL (BL41XU)	Np
513	2025A2546	Structural basis for the molecular evolution of membrane proteins	Yosuke Senju	Okayama University	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
514	2025A2714	Structural studies of anticancer target proteins in complex with their inhibitor candidates	Hyounsook Kim	National Cancer Center	Korea	Foreign	Life Science	3	PX-BL (BL45XU)	Np
515	2025A2716	Elucidation of catalytic mechanism of a novel L-threonate 3-dehydrogenase	Seiya Watanabe	Ehime University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
516	2025A2717	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	0.5	PX-BL (BL45XU)	Np
517	2025A2718	X-ray crystallography of proteins involved in intermembrane phospholipid transport and membrane degradation	Yasunori Watanabe	Yamagata University	Japan	Educational Organization	Life Science	1	PX-BL (BL32XU)	Np
518	2025A2720 *	Structural and functional analysis for harmful mineral transporters from crop plants	Michihiro Suga	Okayama University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL41XU)	Np
519	2025A2721	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	5	PX-BL (BL26B1)	Np
520	2025A2722	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	6	PX-BL (EM01CT, EM02CT)	Np
521	2025A2723	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	1.25	PX-BL (BL45XU)	Np
522	2025A2725	Structural analysis of the Sec translocon complex and selenium transporters	Tomoya Tsukazaki	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	12	PX-BL (EM01CT)	Np
523	2025A2726	Rapid sample screening for time-resolved structural analysis with a variety of reaction initiation techniques	Takaaki Fujiwara	Tohoku University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
524	2025A2727	Alteration of peroxiredoxin assembly by chemical modification	Tomoki Himiyama	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Life Science	1	PX-BL (BL45XU)	Np
525	2025A2728	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	0.75	PX-BL (BL45XU)	Np
526	2025A2729	Understanding the mechanism for the allosteric activation of the Lon protease by heat shock proteins.	Chung I Chang	Academia Sinica	Taiwan, ROC	Foreign	Life Science	2	PX-BL (BL41XU)	Np
527	2025A2730	Development of Protein Crystal Structure Analysis using Spontaneous Crystallization	Satoshi Abe	Kyoto Prefectural University	Japan	Educational Organization	Life Science	9	PX-BL (BL32XU)	Np
528	2025A2731	Analyzing binding networks between anti-freezing proteins and ice by X-ray and neutron crystallography	Toyoyuki Ose	Hokkaido University	Japan	Educational Organization	Life Science	4	PX-BL (BL45XU)	Np
529	2025A2732	Structural basis for the bifunctional sequential catalytic mechanism of a tRNA-enzyme complex	Akira Hirata	Tokushima University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL41XU)	Np
530	2025A2734	Structural basis of the proteins in bacterial environmental response systems	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
531	2025A2735	Structural basis of the type V adhesive fimbriae of Bacteroides	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
532	2025A2736	Structural principle of modification of fluorescence proteins toward long wavelength fluorescence emission	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
533	2025A2737	Structural basis of the reaction process of PET degrading enzyme controlled by transient binding of a metal ion	Nobutaka Numoto	Okayama University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
534	2025A2738	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	6	PX-BL (BL26B1)	Np

2025A, Performed General Proposal

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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)
535	2025A2739	Understanding Protein-Protein Metal Transfer: Challenges in Structural Analysis of Transient Protein Complex	Norifumi Muraki	Ishikawa Prefectural University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
536	2025A2740	Structural analysis of the precursor tRNA-specific reaction mechanism of tRNA-processing enzymes	Takamasa Teramoto	Kyushu University	Japan	Educational Organization	Life Science	1.75	PX-BL (BL45XU)	Np
537	2025A2741	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	1.5	PX-BL (BL45XU, BL32XU)	Np
538	2025A2742	Crystallographic analysis of redox cofactor functions in cyanobacterial photosystem membrane protein supramolecular complexes	Yoshiki Nakajima	Okayama University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
539	2025A2743	Integrative structural biology of filament-like bacterial surface appendages in enteric bacterial pathogens	Shota Nakamura	Osaka University	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
540	2025A2745	Influence of additive carbon fluorine bonds on transporter binding	Paul Matthay	Okinawa Institute of Science and Technology Graduate University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
541	2025A2747	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	4	PX-BL (BL45XU)	Np
542	2025A2748	Improvement in data collection environment at MX beamline BL41XU	Naomine Yano	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	55	PX-BL (BL41XU)	Np
543	2025A2749	Structural analysis of protein crystals grown in the presence of gadolinium	Makoto Nakabayashi	Osaka Ohtani University	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	Np
544	2025A2751	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	12.5	PX-BL (BL45XU, EM01CT, EM02CT, EM04CT)	Np
545	2025A2753	X-ray structural analysis of cell-cell or virus-cell junction related membrane proteins	Shun Nakamura	Institute of Science Tokyo	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
546	2025A2755	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	3	PX-BL (BL38B1)	Np
547	2025A2756	Crystallographic study of active transport by ion pumps	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	Np
548	2025A2758	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
549	2025A2760	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	3	PX-BL (BL45XU)	Np
550	2025A2761	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
551	2025A2762	Elucidating the Destabilized Structure of ALS-Associated Mutant SOD1 and the Structural Mechanism of Amyloid Cross-Seeding	Yuki Shino	Keio University	Japan	Educational Organization	Life Science	9	PX-BL (EM02CT)	Np

2025A, Performed Proprietary 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	2025A1025	3D structure observation of carbon materials	Hideaki Yoshino	NIPPON STEEL Chemical & Material Co., Ltd.	Japan	Industry	Industrial Applications	2	BL47XU	P
2	2025A1026	Visualization of the internal structure of polymer materials	Kosuke Yamazoe	Ajinomoto Co., Inc.	Japan	Industry	Industrial Applications	2	BL47XU	P
3	2025A1027	Observation of LiB internal structure	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	3	BL28B2	P
4	2025A1028	X-ray Imaging Study of Li-ion Battery	Naoto Onodera	Prime Planet Energy & Solutions, Inc.	Japan	Industry	Industrial Applications	9	BL20XU	P
5	2025A1029	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	18	BL20XU	P
6	2025A1030	3D observation of precision devices	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	7	BL20XU	P
7	2025A1031	Three-dimensional structural analysis of electronic components by X-ray imaging method	Naoki Koshitani	Murata Manufacturing Co., Ltd.	Japan	Industry	Materials Science and Engineering	12	BL20XU	P
8	2025A1032	Three-dimensional structural analysis of lithium-ion secondary battery by X-ray imaging method	Naoki Koshitani	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	3	BL37XU	P
9	2025A1033	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
10	2025A1034	Three-dimensional analysis of oxides in Fe-Ni-Cr alloys using high-resolution X-ray CT	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	3	BL20XU	P
11	2025A1035	Maicro-beam XAFS study for Mn Chemical States Analysis in Ceramics 25A	Hitoshi Nishimura	Murata Manufacturing Co., Ltd.	Japan	Industry	Materials Science and Engineering	6	BL37XU	P
12	2025A1036	X-ray Computed Tomography Measurement of Battery Materials	Noriaki Fukumoto	Panasonic Holdings Corporation	Japan	Industry	Industrial Applications	3	BL47XU	P
13	2025A1037	Observation of LiB anode material particle structure	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	6	BL20XU	P
14	2025A1038	X-ray CT measurement of composite materials	Michinori Suehara	AGC Inc.	Japan	Industry	Industrial Applications	2	BL20XU	P
15	2025A1039	Chemical state and distribution of Fe sites in magnet structures	Masashi Fujii	Proterial, Ltd.	Japan	Industry	Industrial Applications	6	BL17SU	P
16	2025A1040	X-ray total scattering of amorphous materials	Yuki Oba	FUJIFILM Corporation	Japan	Industry	Industrial Applications	3	BL04B2	P
17	2025A1041	Non-destructive observation of internal structure of engineering ceramics using SR-CT(2)	Ryo Oosone	KYOCERA Corporation	Japan	Industry	Industrial Applications	3	BL20XU	P
18	2025A1042	Analysis of Iron materials using HERFD-XAFS	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL39XU	P
19	2025A1043	Non-destructive analysis of pipe joints for OCTG	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	3	BL28B2	P
20	2025A1044	Local structure analysis of amorphous silica/silicate phases formed on geothermal plant	Motoaki Morita	Tokyo University of Marine Science and Technology	Japan	Educational Organization	Materials Science and Engineering	1	BL04B2	P
21	2025A1045	SAXS Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	12	BL05XU	P
22	2025A1046	Morphology observation of All-Solid-State batteries in charge and discharge process using high speed X-ray CT	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	3	BL20B2	P
23	2025A1048	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Semiconductor Solutions Corporation	Japan	Industry	Industrial Applications	6	BL09XU	P
24	2025A1049	Valence evaluation of additive elements in BaTiO3-based ceramics by using HAXPES	Kiyotaka Tanaka	Samsung Japan Corporation	Japan	Industry	Materials Science and Engineering	1	BL46XU	P
25	2025A1050	Local structure analysis of additive materials for the positive electrode of lithium-ion batteries	Takashi Endo	Nippon Denko Co.,Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	P

2025A, Performed Proprietary 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)
26	2025A1644	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	18	BL37XU	P
27	2025A1660	Detailed Analysis of Silica Hierarchical Structure Formation Mechanism in Rubber Materials Using Silane Coupling Agents by Small-Angle X-ray Scattering(2)	Yukiko Tamura	ENEOS Materials Corporation	Japan	Industry	Chemical Science	1	BL19B2	P
28	2025A1661	Powder X-ray diffraction method for evaluation of polymorphism of low molecular organic compound	Takahiko Hashizuka	Sawai Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
29	2025A1662	Structural analysis of R&D products by SAXS	Hiroki Ooe	Shin-Etsu Chemical Co., Ltd.	Japan	Industry	Chemical Science	1	BL19B2	P
30	2025A1663	Hard X-ray Photoemission Study of the Electronic States of Next-Generation Li-Ion Battery Materials	Katsuya Ichiki	Mitsui Mining & Smelting Co., Ltd.	Japan	Industry	Industrial Applications	3	BL09XU	P
31	2025A1664	Interface evaluation of semiconductor materials	Manabu Izaki	Sumitomo Electric Industries, Ltd.	Japan	Industry	Materials Science and Engineering	3	BL46XU	P
32	2025A1665	Observation of fracture porocess of metallic materials	Takeshi Shimada	Proterial, Ltd.	Japan	Industry	Materials Science and Engineering	3	BL13XU	P
33	2025A1666	Elucidation of the swelling characteristics of polymer gels using a temperature and humidity control device.	Koki Fuse	Terumo Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P
34	2025A1667	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
35	2025A1668	Reaction distribution analysis of AgLi alloy negative electrode	Katsutoshi Sakurai	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	9	BL16XU-P	P
36	2025A1669	A HAXPES study on semiconductor5	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL09XU	P
37	2025A1670	Electronic structure analysis of catalysts by HAXPES measurements	Hiroaki Suzuki	Furuya Metal Co.,Ltd.	Japan	Industry	Industrial Applications	2	BL46XU	P
38	2025A1671	Small angle scattering measurement of polymers under stress	Shugo Ikeda	University of Hyogo	Japan	Educational Organization	Industrial Applications	2	BL19B2	P
39	2025A1672	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Semiconductor Solutions Corporation	Japan	Industry	Industrial Applications	12	BL09XU	P
40	2025A1673	Operando XRD measurements of all-solid-state Li-S batteries	Fumiyuki Kobayashi	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	6	BL13XU	P
41	2025A1674	technical investigation of inorganic nano particle calcination process by using temeprature contolled XRD system	Masafumi Karita	SETOLAS Holdings, Inc.	Japan	Industry	Industrial Applications	1	BL19B2	P
42	2025A1675	Internal visualisationt of electrification components by high-energy high-brilliance synchrotron radiation x-ray CT	Hidehiko Kimura	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	4	BL15XU-P	P
43	2025A1676	Local structure analysis of silica-supported catalysts using XAFS	Yuki Watanabe	The Yokohama Rubber Co., Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	P
44	2025A1677	High-resolution powder X-ray diffraction	Kenta Kozakai	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Industrial Applications	1	BL13XU	P
45	2025A1679	Analysis of local structure of positive electrodes in secondary battery using XAFS	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	3	BL14B2	P
46	2025A1680	In situ XRD measurement of new materials	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	6	BL02B2	P
47	2025A1681	Analyses of rare earth elements on BaTiO3-based ceramics using synchrotron radiation	Kiyotaka Tanaka	Samsung Japan Corporation	Japan	Industry	Materials Science and Engineering	1	BL14B2	P
48	2025A1870	Synchrotron XRD measurement of battery materials	Tetsuya Ueno	TDK Corporation	Japan	Industry	Industrial Applications	3	BL13XU	P
49	2025A1871	Internal visualisationt of electrification components by high-energy high-brilliance synchrotron radiation x-ray CT 2	Hidehiko Kimura	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	4	BL15XU-P	P

2025A, Performed Proprietary Proposal

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50	2025A1872	Structural analysis of polyurethane elastomer using a temperature and humidity control device.	Koki Fuse	Terumo Corporation	Japan	Industry	Industrial Applications	2	BL19B2	P
51	2025A1873	In situ XRD measurement of new materials	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	3	BL02B2	P
52	2025A1874	Evaluation of residual stress around swaging part of cylindrical battery.	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	6.625	BL13XU	P
53	2025A1875	Identification of crystal phalse in ferroelectric thin films by XAFS analysis	Satoshi Kojima	Tokyo Electron Ltd.	Japan	Industry	Industrial Applications	2	BL14B2	P
54	2025A1876	Elucidation of local structure of catalysts by XAFS measurement.	Hiroaki Suzuki	Furuya Metal Co.,Ltd.	Japan	Industry	Industrial Applications	1	BL01B1	P
55	2025A1877	Study on the electronic state of inorganic semiconductor materials	Tatsuya Kitazawa	Sony Semiconductor Solutions Corporation	Japan	Industry	Industrial Applications	5.875	BL09XU	P
56	2025A1878	Electronic structure analysis of catalysts by HAXPES measurements	Taishi Fukazawa	Toshiba Corporation	Japan	Industry	Industrial Applications	2	BL46XU	P
57	2025A1879	Drying process of catalyst inks	Masashi Harada	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	1	BL19B2	P
58	2025A1880	SAXS measurements of catalyst ink	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Materials Science and Engineering	1	BL19B2	P
59	2025A1881	Observation of chemical bonding states in and at the interface of HfO2 films	Hideaki Tanimura	SCREEN Semiconductor Solutions Co., Ltd.	Japan	Industry	Materials Science and Engineering	4	BL09XU	P
60	2025A1882	Analysis of Reaction Distribution in Small Laminated Cells Using AgLi Alloy Anodes	Katsutoshi Sakurai	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	7	BL13XU	P
61	2025A1883	Resonant HAXPES study of the Cu compounds	Katsuya Ichiki	Mitsui Mining & Smelting Co., Ltd.	Japan	Industry	Industrial Applications	2	BL09XU	P
62	2025A1884	Thin film X-ray structural analysis of organic thin film	Hisashi Tetsutani	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	1	BL16XU-P	P
63	2025A1885	A HAXPES study on semiconductor	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	2	BL09XU	P
64	2025A1886	Chemical state analysis of copper alloy using XAFS	Shinsuke Nishida	Furukawa Electric Co., Ltd.	Japan	Industry	Industrial Applications	2	BL14B2	P
65	2025A1887	Evaluation of powder synthesis process in simultaneous in-situ USAXS-WAXS under special environment	Syuhei Torigoe	Murata Manufacturing Co., Ltd.	Japan	Industry	Materials Science and Engineering	4	BL19B2	P
66	2025A1888	Residual stress measurements of SiC ingots	Keiji Kuno	DENSO CORPORATION	Japan	Industry	Industrial Applications	2	BL19B2	P
67	2025A2502	Structural Biology of Protein-Ligand complex for Drug Discovery	Shiho Yamamoto	Shionogi & Co., Ltd.	Japan	Industry	Life Science	4	PX-BL (BL45XU)	P
68	2025A2503	JAXA PCG	Daisuke Takahashi	Space BD Inc.	Japan	Industry	Life Science	3	PX-BL (BL41XU)	P
69	2025A2504	Structural insights into the antibody/antigen complex	Jian Sun	BeiGene Ltd.	China	Foreign	Life Science	3	PX-BL (BL45XU)	P
70	2025A2505	Structural analysis of protein and ligand/protein complex for drug discovery	Takashi Yamano	CHUGAI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	9	PX-BL (BL45XU)	P
71	2025A2506	X-ray crystallography for disease-related proteins	Akinori Yamasaki	Nippon Shinyaku Co., Ltd.	Japan	Industry	Life Science	1.5	PX-BL (BL45XU)	P
72	2025A2508	Macromolecule protein crystals for data collection	Wang Cheng	Wuxi Biortus Biosciences Co. Ltd	China	Foreign	Industrial Applications	30.25	PX-BL (BL45XU)	P
73	2025A2510	Structure analysis of complex of disease related proteins and theirregulatory compounds	Yasushi Amano	Astellas Pharma Inc.	Japan	Industry	Life Science	4.5	PX-BL (BL45XU)	P

2025A, Performed Proprietary Proposal

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74	2025A2511	Structural analysis of disease-related proteins for drug discovery	Daiki Kato	Asahi Kasei Pharma Corporation	Japan	Industry	Industrial Applications	31.5	PX-BL (BL45XU, EM01CT)	P
75	2025A2512	X-ray crystallography of disease-related protein MSP1, anti-MSP1 antibody, and MSP1 in complex with anti-MSP1 antibody	Yuuji Kado	Meiji Seika Pharma Co., Ltd.	Japan	Industry	Industrial Applications	0.25	PX-BL (BL45XU)	P
76	2025A2514	Structure analysis of proteins related to disease	Yuichiro Nakaishi	Otsuka Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	4.5	PX-BL (BL41XU, BL45XU)	P
77	2025A2517	Structure analysis of proteins related to disease	Noritaka Furuya	KISSEI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	0.75	PX-BL (BL45XU)	P
78	2025A2702	Data collection on protein crystals for structure based drug design	Fan Jiang	Viva Biotech (Shanghai) Ltd.	China	Foreign	Life Science	26	PX-BL (BL45XU)	P
79	2025A2703	Crystal structure analysis of target proteins in complex with drug candidate	Masashi Mima	Taisho Pharmaceutical Holdings Co., Ltd.	Japan	Industry	Life Science	0.5	PX-BL (BL45XU)	P
80	2025A2705	X-ray crystallography of protein-ligand complex (2025A)	Hikaru Shimizu	PeptiDream Inc.	Japan	Industry	Life Science	1	PX-BL (BL45XU)	P
81	2025A2706	X-ray or Cryo-EM structure determination of the protein with compound	Tsuyoshi Adachi	Japan Tobacco Inc.	Japan	Industry	Industrial Applications	2	PX-BL (BL45XU, BL32XU)	P
82	2025A2707	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	PX-BL (BL45XU)	P
83	2025A2708	Structural analysis of the therapeutic target proteins or nucleic acids with its ligands	Satoshi Sogabe	Axcelead Drug Discovery Partners Inc.	Japan	Industry	Industrial Applications	0.5	PX-BL (BL41XU)	P
84	2025A2709	X-ray crystallography of pesticide-target proteins	Kunio Ido	Sumitomo Chemical Company, Limited	Japan	Industry	Life Science	1	PX-BL (BL45XU)	P
85	2025A2710	Structure determination of target proteins for medical product development.	Norie Fujikawa	Mitsubishi Tanabe Pharma Corporation	Japan	Industry	Life Science	4.25	PX-BL (BL45XU)	P
86	2025A2711	X-ray crystallography of drug-related proteins	Tatsuya Suzuki	Taiho Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	3	PX-BL (BL45XU)	P
87	2025A2712	Evaluation of the Protein Crystals under Microgravity by Synchrotron Radiation	Momi Iwata	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Life Science	2	PX-BL (BL45XU)	P

2025A, Performed Graduate Student Proposal

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1	2025A1578	Metallization of the Breathing Kagome material Nb3I8 at high pressure	Liyunxiao Wu	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	3	BL10XU	Np
2	2025A1580	Pressure influence on the electronic and magnetic states in TbNiC2 and its sister compounds	Wei Zhong	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
3	2025A1583	Mechanism of Hydrophilic Polymer Penetration Through Bicelle-Reconstructed Stratum Corneum Lamellae	Mina Tanigawa	Sojo University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
4	2025A1585	In-situ observation of the fragmentation of lava and analogue magma under compression and tension	Konan Saito	Nagoya University	Japan	Educational Organization	Earth and Planetary Science	12	BL20B2	Np
5	2025A1588	Probing orbital order in KFe0.8Ag1.2Te2, a semiconducting structural analogue of the Fe-based superconductors	Jiayu Guo	Zhejiang University	China	Foreign	Materials Science and Engineering	6	BL39XU	Np
6	2025A1589	Structural Analysis of BaO-Bi2O3-TiO2-rich glasses and glass-ceramics using High-Energy X-ray Total Scattering	Hongyi Deng	Friedrich-Alexander University Erlangen-Nuernberg	Germany	Foreign	Materials Science and Engineering	6	BL04B2	Np
7	2025A1590	Structral evolution of CsPb(BrxI1-x)3 nanocrystals during phase segregation and recovery	Kejie Huang	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	15	BL04B2	Np
8	2025A1591	Study of Ru-contained Na ion battery by Ru-99 synchrotron-radiation-based Mössbauer spectroscopy	Mio Yoshida	The University of Electro-Communications	Japan	Educational Organization	Materials Science and Engineering	18	BL35XU	Np
9	2025A1593	The electronic structure analysis of Co-doped SrTiO3 by X-ray absorption spectroscopy	Ryosuke Sugimoto	Kyoto Institute of Technology	Japan	Educational Organization	Chemical Science	12	BL27SU	Np
10	2025A1594	Determination of quadrupole-quadrupole interaction in the quadrupolar ordered material Ba2MgReO6 probed by inelastic X-ray scattering experiment	Toshihiko Muroi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	17.75	BL35XU	Np
11	2025A1595	Structural characterization of liquid crystal resins during curing reaction	Rika Marui	Institute of Science Tokyo	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
12	2025A1597	Nondestructive observation of the opal phytolith in the dental calculus of herbivore for diet reconstruction	Hana Onizaki	The University of Tokyo	Japan	Educational Organization	Life Science	5.75	BL20B2	Np
13	2025A1600	X-ray diffraction at low temperature under high pressure for Au-Al-Yb Quasicrystal	Yumi Kinoshita	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
14	2025A1603	Origins of Semiconducting Polymers Utilizing Electronic Alloy Formation	Zhiyuan Liang	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	5.75	BL40B2	Np
15	2025A1604	Development of an evaluation method for degradation behavior of zeolite and zeolite molding body by synchrotron X-ray multiscale CT	Kota Nakano	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL20XU	Np
16	2025A1605	Structural stability and deformation behavior of high entropy ceramics under ultra-high pressure and ultra-high temperature	Huchen Shu	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	9	BL10XU	Np
17	2025A1606	Colloidal crystal structure analysis using small angle X-ray scattering: in-situ observation of crystal growth process in microdrops	Shoko Kojima	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
18	2025A1607	Dimension-Controlled Assemblies 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
19	2025A1608	Pressure tuning of the charge-density wave in the kagome metal ScV6Sn6	Saizheng Cao	Zhejiang University	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
20	2025A1609	Synchrotron X-ray μCT analysis of rostral neurovascular canals in diapsids : toward understanding the evolutionary process of the beak acquisition.	Kodai Sakne	Fukui Prefectural University	Japan	Educational Organization	Life Science	6	BL20B2	Np
21	2025A1610	Detailed analysis of the three-dimensional structure of the early solar system material, Barred Olivine Chondrule, using multi-scale CT	Tomoyo Morita	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	6	BL20XU	Np
22	2025A1613	Fragile magnetic order of RuO2	Zihan Lin	City University of Hong Kong	China	Foreign	Materials Science and Engineering	12	BL25SU	Np
23	2025A1614	Exploration of antiferromagnetic spintronic material thin films by micro-focused SX-ARPES	Takuma Iwata	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np

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24	2025A1615	Colloidal single crystal structure analysis using small angle X-ray scattering with rotating crystal method: Analysis of high-quality single crystal of DNA-Ag-AuNP superlattice	Lidong Zhang	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
25	2025A1616	Direct observation of topological band structure changes in Mn- and Rh-based alloy composition-gradient thin films using SX-ARPES	Masaaki Kakoki	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	18	BL25SU	Np
26	2025A1617	Characterizations of interactions between microbes, organics, and minerals in ultramafic rocks for a better understanding of the origin of life	Taro Kido	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	11	BL17SU	Np
27	2025A1618	Local structure analysis of flexible molecular crystals using infrared spectromicroscopy	Yuto Hino	Kochi University of Technology	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
28	2025A1620	In-situ observation of the reaction mechanism in novel high-pressure metathesis reactions	Tatsuya Tsumori	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B1	Np
29	2025A1628	Electronic and Photophysical Properties via Ordered Arrangement of Heteroporphyrin Cations	Masaki Fujita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
30	2025A1629	Evaluation of in-plane aromaticity based on precise structural analysis of cyclo-oligo(dibenzopentafulvalene)s ultrafine crystals	Shu Takagi	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
31	2025A1631	Observation of 3-dimentional local order by diffuse analysis using 3D-ΔPDF method	Taisei Kubo	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
32	2025A1634	XAFS study on structure-activity relationship of Ru-Ir/α-Al2O3 catalysts for the hydrodenitrogenation of amine	Kei Sato	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
33	2025A1636	Elucidation of Stabilization Mechanism of Antiferroelectric Phase in Tungsten Bronze Type K2RNb5O15 (R: Pr, Nd, Sm) through Ta Substitution	Hodaka Abe	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
34	2025A1638	Strain evaluation of SiGe nanodots and Si spacers by reciprocal space mapping using anomalous dispersion effect	Yuta Ito	Meiji University	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
35	2025A1641	Structural determination of magnetically-bistable MOF using in situ single crystal X-ray diffraction measurement	Chisa Itoh	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL02B1	Np
36	2025A1643	Voltage-applied HAXPES evaluation to elucidate the mechanism of memory operation using sumanene molecules	Yoshiharu Kirihara	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
37	2025A1819	Investigation of the effect of metal ions on the melting behavior of metal cyanides	Yuudai Iwai	Kyushu University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
38	2025A1822	Structural analysis of incommensurate charge density wave phases on single crystal RPtO4 (R=La, Pr, Nd)	Yasuhito Kobayashi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
39	2025A1823	Application of Phosphine-bridged Rhodamine Dyes for Fluorescent Imaging by X-ray Single Crystallographic Analysis	Yuichi Asada	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
40	2025A1824	Elucidation of the modification mechanism of SiO2 film after flashlamp annealing using voltage-applied HAXPES	Ryoichi Kawai	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
41	2025A1825	Aggregation structures of polymers obtained by direct fluorination of ethylene-tetrafluoroethylene copolymer membranes in liquid media	Eisuke Yasuo	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL19B2	Np
42	2025A1830	X-ray Single Microcrystal Structural Analysis of Highly Reactive Unsaturated Compounds	Yui Wakasa	Rikkyo University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
43	2025A1833	Investigation of structural phase transition and crystal structure of new phase in Li2RuO3	Kantaro Murayama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
44	2025A1834	Ordered Arrangement of Heteroporphyrin Cations for Electronic and Photophysical Properties	Masaki Fujita	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
45	2025A1835	Investigating the character of CDW formation in the newly discovered kagome material CsCr3Sb5 by XRD	Yifan Wang	Zhejiang University	China	Foreign	Materials Science and Engineering	3	BL02B1	Np
46	2025A1838	Voltage-applied HAXPES evaluation to elucidate the mechanism of memory operation using sumanene molecules	Yoshiharu Kirihara	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
47	2025A1840	Structural determination of alkane clathrates showing multiple spin state change using in situ powder X-ray diffraction measurement	Chisa Itoh	Tohoku University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np

2025A, Performed Graduate Student Proposal

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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)
48	2025A2008	Investigation of structural and morphological changes mechanism of doxorubicin-loaded liposomes by fitting analysis of in situ SAXS/USAXS profiles	Taiki Fujimoto	Chiba University	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np
49	2025A2011	Molecular Orientation Control of Indigo Films and its Impact on Photovoltaic Performance	Yutaro Ono	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	2.875	BL19B2	Np
50	2025A2013	Multiaxial Strain Evaluation of (110)SiGe Epitaxial Thin Film on (110)Si Substrate by RSM of High-order Asymmetric Diffraction	Yuta Ito	Meiji University	Japan	Educational Organization	Industrial Applications	8.75	BL19B2	Np
51	2025A2017	Characterization of WS_2 coverage profile on high aspect ratio architecture by small angle X-ray scattering (SAXS)	Rieko Suenaga	Meiji University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
52	2025A2020	Clarifying the gate-opening behavior of room temperature H2 sorption using dihydrogen complexes	Taku Kitayama	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
53	2025A2022	Elucidation of the MOF particle formation mechanism in a water/methanol mixed solvent	Shotaro Danjo	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	5.75	BL13XU	Np
54	2025A2025	Crystal structure changes in the oxide BaSc1/3Fe2/3O3 containing unusually high valence ions with low temperature oxygen release and incorporation	Rei Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	2	BL02B2	Np
55	2025A2550	Structural analysis of cysteine biosynthesis enzymes by X-ray and cryo-electron microscopy	Sayaka Tsuji	Kagoshima University	Japan	Educational Organization	Life Science	1.25	PX-BL (BL45XU)	Np
56	2025A2552	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	18	PX-BL (EM01CT, EM02CT)	Np
57	2025A2763	Structural analysis of glutamate metabolic enzymes from Hydrogenophilus thermoluteolus TH-1	Kosei Sone	The University of Tokyo	Japan	Educational Organization	Life Science	6	PX-BL (EM02CT, EM04CT)	Np
58	2025A2765	Elucidation of glycoprotein-specific secretion mechanism in pathogenic Streptococci	Kaito Hosoda	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	6	PX-BL (EM01CT)	Np

2025A, Performed Long-Term Graduate Student 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	2025A0306	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
2	2025A0307	3D investigation of organic compounds inclusions in mantle peridotites using multi-beamline multi-scale CT	Itaru Mitsukawa	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	6	BL20B2	Np
3	2025A0317	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	BL04B1	Np
4	2025A0318	3D investigation of organic compounds inclusions in mantle peridotites using multi-beamline multi-scale CT	Itaru Mitsukawa	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	8.75	BL47XU	Np
5	2025A0319	Analysis of the transposition mechanism of CRISPR-associated transposon and development of the CRISPR-Cas complex mutants for genome engineering	Kazuki Ishihara	Kyushu University	Japan	Educational Organization	Life Science	21	PX-BL (EM01CT)	Np
6	2025A0321	Functional and structural studies of a novel Cas9 isolated from hot spring	Osamu Kikko	Kyushu University	Japan	Educational Organization	Life Science	18	PX-BL (EM01CT)	Np
7	2025A0322	Functional and structural studies of a novel Cas9 isolated from hot spring	Osamu Kikko	Kyushu University	Japan	Educational Organization	Life Science	3	PX-BL (EM02CT)	Np

2025A, 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	2025A2301	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	2	BL39XU	P
2	2025A2302	3D/4D Image-Based Analysis of Correlation between Microdefects and Macro Mechanical Properties in continuous casting steels	Kazuyuki Shimizu	Tottori University	Japan	Educational Organization	Materials Science and Engineering	6	BL20XU	P
3	2025A2303	Evaluation of the synthesis mechanism of the material for lithium-ion battery via in-situ high-temperature X-ray diffraction	Reika Ota	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	1	BL13XU	P
4	2025A2304	High-resolution CT observation of the Shosoin object 'Ranjatai'.	Makoto Takahata	Imperial Household Agency	Japan	National and Nonprofit Organization	Other	0.25	BL47XU	P
5	2025A2307	Observation of the internal structure of a sample using multi-scale CT	Kana Nanai	Foundation for Promotion of Material Science and Technology of Japan	Japan	National and Nonprofit Organization	Industrial Applications	1	BL20XU	P
6	2025A2310	3D observation of precision machinery	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	0.75	BL28B2	P
7	2025A2311	Investigation of crystallinity of perovskite thin films	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Industrial Applications	0.375	BL16XU-P	P
8	2025A2312	Structure Analysis of protein/ligand complex	Koji Inaka	Maruwa Foods and Biosciences, Inc.	Japan	Industry	Life Science	0.5	BL45XU	P
9	2025A2313	Structure analysis of D-protein-ligand complex	Koji Inaka	Maruwa Foods and Biosciences, Inc.	Japan	Industry	Life Science	0.25	BL45XU	P
10	2025A2314	Observation of altered area in glass by X-ray CT	Masaaki Nagao	Nippon Electric Glass Co.,Ltd.	Japan	Industry	Industrial Applications	2	BL47XU	P
11	2025A2318	Structure study on swollen polymer using Small-Angle X-ray Scattering	Madoka Nippa	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL19B2	P
12	2025A2319	3D structure analysis of battery materials	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Industrial Applications	1	BL28B2	P
13	2025A2326	Non-destructive nano-scale 3-Ddimensional structure analysis	Yasunaga Nara	Hamamatsu Photonics K.K.	Japan	Industry	Industrial Applications	2	BL47XU	P
14	2025A2327	Protein Crystallography for Drug Discovery	Kotaro Mori	Mitsui Chemicals Crop & Life Solutions, Inc.	Japan	Industry	Life Science	0.25	BL41XU	P
15	2025A2332	Structural analysis of gypsum board	Ryota Nambara	Kao Corporation	Japan	Industry	Industrial Applications	0.125	BL28B2	P
16	2025A2336	Evaluation of cathode structure of all solid-state batteries by X-ray CT	Osamu Nogariya	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	1	BL20XU	P
17	2025A2337	Structural Analysis of Inorganic Particles by Hard X-ray XAFS	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	1	BL14B2	P
18	2025A2338	3D observation of precision devices	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1	BL47XU	P
19	2025A2339	High-resolution structural observation of non-ferrous alloys	Kazuhiro Goto	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	1	BL20XU	P
20	2025A2340	Structural study of Dion-Jacobson type ferroelectrics	Hidetaka Kasai	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	0.5	BL13XU	P
21	2025A2346	Investigation of crystallinity of perovskite thin films	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Materials Science and Engineering	0.375	BL19B2	P
22	2025A2347	Structural analysis of power supply board	Shingo Suzuki	Astemo, Ltd.	Japan	Industry	Materials Science and Engineering	0.125	BL28B2	P
23	2025A2348	Structural and volumetric behavior of an organic cathode during charging and discharging process by operando X-ray CT scan.	Shuntaro Miyakawa	SoftBank Corp.	Japan	Industry	Materials Science and Engineering	2	BL20XU	P
24	2025A2350	3D observation of organic materials	Yu Ogura	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	0.125	BL47XU	P

2025A, 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	2025A2353	High-resolution structural observation of metal-resin laminated materials	Kazuhiro Goto	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	1	BL20XU	P
26	2025A2354	Crystal structure analysis of an inorganic compound	Sho Ito	DIC Corporation	Japan	Industry	Industrial Applications	0.25	BL02B1	P
27	2025A2355	Evaluation of all solid-state batteries structure by X-ray CT	Junya Kaba	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	1	BL20XU	P
28	2025A2356	Analysis of Rh valence in solution	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.5	BL01B1	P
29	2025A2357	Protein Crystallography for Drug Discovery	Kotaro Mori	Mitsui Chemicals Crop & Life Solutions, Inc.	Japan	Industry	Life Science	0.125	BL45XU	P
30	2025A2358	SAXS Study of Li-ion Battery	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	3	BL03XU-P	P
31	2025A2359	Crystal structure analysis of complexes between drug target proteins and drug candidate compounds	Ikuko Miyaguchi	PRISM BioLab Co.,Ltd.	Japan	Industry	Life Science	0.5	BL45XU	P
32	2025A2365	Observation of Fibers in CFRP Plates by Laminography	Takuji Ohsawa	KRI Inc.	Japan	Industry	Materials Science and Engineering	0.125	BL20B2	P
33	2025A2366	Observation of particles in a polar plate by laminography	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.125	BL20B2	P
34	2025A2370	X-ray crystallography for the design of novel proteins	Shunsuke Onogi	JSR Corporation	Japan	Industry	Life Science	0.5	BL45XU	P

2025A, 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	2025A2305	Structural characterization of high concentration hydrogels of polysaccharides	Junichi Horinaka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	0.25	BL19B2	P
2	2025A2306	SAX USAX Analysis of FeNi Alloy	Sonoko Kosuga	Daido Bunseki Research, INC.	Japan	Industry	Industrial Applications	0.375	BL19B2	P
3	2025A2309	SAXS measurements for battery	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	P
4	2025A2315	Structural analysis for metal complexes in ionic liquids	Koji Akiyama	Tokyo Electron Ltd.	Japan	Industry	Industrial Applications	0.5	BL14B2	P
5	2025A2316	Structural Analysis of Hair Care Agents	Noriko Fujii	Mandom Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	P
6	2025A2317	XRD mesurements for battery materials	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.375	BL19B2	P
7	2025A2320	SR-XRD measurement of steel wires	Yusuke Yasuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
8	2025A2321	XRD measurement of ceramics	Takanori Itoh	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
9	2025A2322	X-ray diffraction measurement of magnetic and ceramic material.	Takeshi Shimada	Proterial, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
10	2025A2323	3D observation of composite resin parts	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.125	BL28B2	P
11	2025A2324	3D observation of metal parts	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.125	BL28B2	P
12	2025A2325	Observation of LiB internal structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL28B2	P
13	2025A2328	Measurement of Steel Materials Using Small-Angle X-ray Scattering	Manami Sunako	NHK Spring Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
14	2025A2329	Structure study on swollen polymer using Small-Angle X-ray Scattering	Madoka Nippa	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	P
15	2025A2330	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.75	BL14B2	P
16	2025A2331	SAXS analysis of fluorine resin	Tatsuya Miyajima	AGC Inc.	Japan	Industry	Industrial Applications	0.375	BL19B2	P
17	2025A2333	SAXS study of polymer particle and polymer film	Yuuichi Kondou	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
18	2025A2334	Powder SR-XRD measurement of battery materials	Yusuke Yasuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
19	2025A2335	XRD Measurement of Powdered Ceramics	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	P
20	2025A2341	SAXS measurements of battery materials	Takayuki Harano	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.125	BL19B2	P
21	2025A2342	USAXS measurement of fine particle dispersion	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	P
22	2025A2343	Structural analysis of hair samples	Noriko Fujii	Mandom Corporation	Japan	Industry	Industrial Applications	0.375	BL19B2	P
23	2025A2344	SAXS study of polymer particle and polymer film	Yuuichi Kondou	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
24	2025A2345	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.5	BL14B2	P
25	2025A2349	3D observation of metallic materials	Yuki Adachi	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.375	BL28B2	P

2025A, 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	2025A2351	3D observation of precision machinery	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1.125	BL28B2	P
27	2025A2352	Observation of LiB internal structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	1.75	BL28B2	P
28	2025A2360	SAXS measurements of silica powder	Hiroki Ooe	Shin-Etsu Chemical Co., Ltd.	Japan	Industry	Industrial Applications	0.125	BL19B2	P
29	2025A2361	High-speed XAFS measurement	Ryosuke Yamamoto	Toyota Motor Corporation	Japan	Industry	Industrial Applications	1	BL14B2	P
30	2025A2362	Structural Analysis of Inorganic Particles by Hard X-ray XAFS	Takahiro Kuwata	Sumitomo Chemical Company, Limited	Japan	Industry	Industrial Applications	0.25	BL14B2	P
31	2025A2363	SAXS USAX Analysis of FeNi alloy	Takamitsu Komachi	Daido Bunseki Research, INC.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
32	2025A2364	XAFS measurements of NMC electrode materials	Yuki Tobita	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.5	BL14B2	P
33	2025A2367	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.75	BL14B2	P
34	2025A2368	XAFS measurements of ceramics	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	0.5	BL14B2	P
35	2025A2369	XRD measurement of powder ceramics	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	P

2025A, 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	2025A1682	Observation of LiB internal structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	0.75	BL28B2	P
2	2025A1683	SAXS Analysis of Mo Carbides in Steels	Tetsuya Miyazawa	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
3	2025A1684	Low-Temperature XRD study on the Argyrodite-type Sulfide Solid Electrolytes	Katsuya Ichiki	Mitsui Mining & Smelting Co., Ltd.	Japan	Industry	Industrial Applications	0.375	BL19B2	P
4	2025A1685	3D observation of metallic materials	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	0.125	BL28B2	P
5	2025A1686	Observation of the Molecular Aggregation State of Fragrances	Taito Kobayashi	Suntory Global Innovation Center Limited	Japan	Industry	Industrial Applications	0.25	BL19B2	P
6	2025A1687	SAXS mesurement of polypropylene.	Kazuki Matsui	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.5	BL19B2	P
7	2025A1688	Nanostructure analysis of fuel cell materials	Naoki Hasegawa	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	0.625	BL19B2	P
8	2025A1889	Observation of the Molecular Aggregation State of Fragrances	Taito Kobayashi	Suntory Global Innovation Center Limited	Japan	Industry	Industrial Applications	0.25	BL19B2	P
9	2025A1890	Small angle X-ray scattering study of structure of fluororesins	Toshiyuki Fukushima	DAIKIN INDUSTRIES, LTD.	Japan	Industry	Materials Science and Engineering	0.25	BL19B2	P
10	2025A1891	SAXS measurements on steel	Shintaro Kumai	NHK Spring Co., Ltd.	Japan	Industry	Industrial Applications	0.375	BL19B2	P
11	2025A1892	Chemical transformation of ruthenium added to soil	Yusuke Unno	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Industrial Applications	0.5	BL14B2	P
12	2025A1893	3D observation of metal parts	Takuji Ohsawa	KRI Inc.	Japan	Industry	Industrial Applications	0.25	BL28B2	P
13	2025A1894	Characterization of Cu alloys using ultra-small-angle X-ray scattering	Yojiro Oba	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	0.25	BL19B2	P
14	2025A1895	Observation of LiB internal structure	Rie Handa	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	0.875	BL28B2	P
15	2025A1896	Evaluation of structure of filler aggregates in rubber	Satoshi Sawada	Chemicals Evaluation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	0.25	BL19B2	P

2025A, 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	2025A0201	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	2025A0202	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	2025A0203	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	2025A0204	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	27	BL41XU	Np
5	2025A0205	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	11	BL45XU	Np
6	2025A0206	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	51	PX-BL (EM01CT)	Np
7	2025A0207	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	51	PX-BL (EM02CT)	Np
8	2025A0208	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	4.625	BL13XU	Np
9	2025A0209	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	2025A0210	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	21	BL13XU	Np
11	2025A0211	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	18	BL46XU	Np
12	2025A0212	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	18	BL39XU	Np
13	2025A0213	Analysis of the Damage Progression Mechanism in Bleached Hair Considering Daily Washing Habits	Motoki Takeda	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	6	BL47XU	Np
14	2025A0214	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	2025A1001	Evaluation of degradation process of crystallizable polymers with microbeam X-ray scattering.	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	6	BL05XU	Np
2	2025A1003	In situ observation of solidification behaviors and solidification cracking during laser welding using time-resolved X-ray imaging	Tomoya Nagira	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL20XU	Np
3	2025A1004	Three-dimensional X-ray diffraction imaging in anisotropic Nd-Fe-B sintered magnets	Satoshi Okamoto	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	8.75	BL29XU	Np
4	2025A1005	Observation of Lithium ion Battery internal structure	Mitsuhiro Takeno	Panasonic Energy Co., Ltd.	Japan	Industry	Industrial Applications	3	BL28B2	Qp
5	2025A1006	Analysis of filler dispersion by X-ray CT	Katsuhiro Yamamoto	Advanced Softmaterial Consortium	Japan	Industry	Industrial Applications	3	BL47XU	Np
6	2025A1007	Clarification of defect formation mechanism in 3D additive manufactured ceramics observed at the particle scale using synchrotron X-ray CT	Gaku Okuma	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	8.75	BL20XU	Np
7	2025A1008	3D observation of rock and organic mixture samples	Akira Seo	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	21	BL28B2	Np
8	2025A1009	Investigation of Li dendrite deposition mechanism in lithium-ion secondary batteries with concentrated electrolyte using X-ray computed tomography (3)	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	11.75	BL20XU	Np
9	2025A1010	Quantification of mechanism of Li dendrites and reaction distribution generation in all-solid-state battery electrodes using X-ray computed tomography (4)	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL20XU	Np

2025A, 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)
10	2025A1011	Evaluation of osteogenesis and bone uranium migration by μCT	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL20B2	Np
11	2025A1012	Evaluation of bone dynamics of uranium	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	9	BL37XU	Np
12	2025A1013	Analysis of Unsafety Phenomena in Lithium-ion Secondary Batteries with Nickel-based High Capacity Cathode (5)	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL28B2	Np
13	2025A1014	Analysis of Charge Compensation Mechanism of Nickel-Based High-Capacity Cathode Materials by operando Soft X-ray Absorption Spectroscopy (2)	Toshiki Watanabe	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL27SU	Np
14	2025A1015	Electronic structure change analysis of sulfide solid electrolyte under humidity condition by using soft X-ray absorption spectroscopy for O K-edge (2)	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np
15	2025A1016	Electronic structure analysis of oxygen adsorption species on alkali water electrolysis anode catalysts with perovskite-related structures using operando soft X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	27	BL27SU	Np
16	2025A1017	Structural Analysis of Phosphorus-containing Alkaline Water Electrolysis Anode Catalysts by X-ray Total Scattering･PDF Analysis	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	5.75	BL04B2	Np
17	2025A1018	Electronic structure analysis of alkaline water electrolysis anode catalysts with perovskite related structures by high-resolution X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	18	BL39XU	Np
18	2025A1019	Atomic configuration modeling of oxide-based electrode materials for development of high-performance rechargeable magnesium batteries	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	3	BL44B2	Np
19	2025A1020	Structural Metallic Materials Managing Ultra High Strength and Large Ductility by High-Order Control of Deformation: Clarifying Deformation Mechanisms by in-situ Synchrotron XRD (2)	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
20	2025A1022	Investigation of the surface fine structure of Ir oxide single crystals under the electrochemical operando total-reflection X-ray absorption spectroscopy	Naoto Todoroki	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
21	2025A1023	Structural and electronic structure analysis of alkaline water electrolysis anode catalysts with perovskite-related structures using X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
22	2025A1024	Relationship between the crystal structure of perovskite compounds in fluoride ion batteries and charge/discharge characteristics due to O2 molecule formation / MEM analysis of oxygen molecules in crystals	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
23	2025A1645	Evaluation of redox properties of Gd-CeOx in an electric field	Yasushi Sekine	Waseda University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
24	2025A1646	Evaluation of negative thermal expansion of A,B-site co-substituted BiFeO3	Masaki Azuma	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
25	2025A1647	In-situ XAFS measurement of electrochemical reactions to investigate the relationship between the electronic state and catalytic activity of platinum-based alloy catalysts for fuel cells	Futoshi Matsumoto	Kanagawa University	Japan	Educational Organization	Chemical Science	2	BL01B1	Np
26	2025A1648	Residual stress measurement of electrical steel sheets	Kunihiro Senda	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	6	BL13XU	Np
27	2025A1649	Analysis of elasto-plastic deformation behavior of Al-Fe-based additive manufacturing material with hierarchical structure using in-situ XRD measurements	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
28	2025A1650	Evaluation of redox properties of M-CeOx in an electric field	Yasushi Sekine	Waseda University	Japan	Educational Organization	Chemical Science	9	BL14B2	Np
29	2025A1651	Structural analysis of Cu-In2O3 by operando XRD on the timescale of redox reactions	Yasushi Sekine	Waseda University	Japan	Educational Organization	Chemical Science	6	BL13XU	Np
30	2025A1652	Control of organic semiconductors for high-efficiency organic solar cells	Itaru Osaka	Hiroshima University	Japan	Educational Organization	Industrial Applications	3	BL13XU	Np
31	2025A1653	In-situ ball milling and high-resolution powder diffraction measurements using BL13XU	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np

2025A, 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)
32	2025A1654	A study on the migration of uranium and arsenic in sedimentary environments associated with iron minerals	Kouhei Tokunaga	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL01B1	Np
33	2025A1655	Elucidation of structural re-programing of MAu8 cluster by in-situ XAFS measurements	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	15	BL01B1	Np
34	2025A1658	Structural Metallic Materials Managing Ultra High Strength and Large Ductility by High-Order Control of Deformation: Clarifying Deformation Mechanisms by in-situ Synchrotron XRD (3)	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL16XU-P	Np
35	2025A1659	Origin of Differences in Phase Transition Behavior between Bulk Ferroelectric Ceramic Materials and Their Crushed Powder Materials II	Shintaro Ueno	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
36	2025A1842	Observation of the effect of heating rate on the formation process of sulfide solid electrolytes using time-resolved PDF analysis	Koji Ohara	Shimane University	Japan	Educational Organization	Materials Science and Engineering	6	BL08W	Np
37	2025A1860	Stress tensor analysis via in-situ diffraction measurement during tensile loading for mechanical quantity assimilation analysis using fake inverse deformation FEM	Masayoshi Kumagai	Tokyo City University	Japan	Educational Organization	Industrial Applications	6	BL16XU-P	Np
38	2025A1862	Structural Metallic Materials Managing Ultra High Strength and Large Ductility by High-Order Control of Deformation: Clarifying Deformation Mechanisms by in-situ Synchrotron XRD (4)	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL16XU-P	Np
39	2025A1865	In-situ XAFS measurement of electrochemical reactions to investigate the relationship between the electronic state and catalytic activity of platinum-based alloy catalysts for fuel cells (2)	Futoshi Matsumoto	Kanagawa University	Japan	Educational Organization	Chemical Science	2	BL01B1	Np
40	2025A1866	Structural and electronic structure analysis of alkaline water electrolysis anode catalysts with ABO3 perovskite structures using X-ray absorption spectroscopy	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	8.875	BL01B1	Np
41	2025A1867	Electronic and local structure analysis of coating materials on cathodes for all-solid-state lithium-ion batteries under high potential(2)	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	5.75	BL14B2	Np
42	2025A1868	Relationship between crystal structure and charge/discharge characteristics of Ba-Sr-Ca-Fe oxyfluoride compounds with simple perovskite structure and MEM analysis of oxygen molecules in their crystals	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
43	2025A1869	Analysis of the mechanism of twin boundary locking/unlocking in martensite reorientation by in-situ high-temperature XRD measurement	Naoki Nohira	Institute of Science Tokyo	Japan	Educational Organization	Materials Science and Engineering	3	BL19B2	Np