Table of Review Fields

Category	Group		Subgroup 1 (Research Method)	Subgroup 2 (Research Area)	Beamlines
	Name	Code			
Diffraction and Scattering	Diffraction_SAXS/WAXS	**DS1**	Small Angle X-ray Scattering. Wide Angle X-ray Scattering	Materials Science. Biological Science. Others	05XU, 19B2, 40B2, 40XU
	Diffraction_Single Crystal	**DS2**	Crystal Structure Analysis. Quantum Crystallography. Operand/In-situ Single Crystal Diffraction. Lattice Distortion Measurement	Organic Compounds. Metal Coordination Compounds. Inorganic Compounds. MOF. Others	02B1, 40XU
	Diffraction_Powder	**DS3**	Rietveld Analysis. Qualitative Analysis. Operand/In-situ Powder Diffraction. Quantitative Analysis. Quantum Crystallography. Lattice Distortion. Crystallite Size. Crystal Angle Analysis. Orientation Analysis	Organic Compounds. Metal Coordination Compounds. Inorganic Compounds. MOF. Others	02B2, 13XU, 19B2, 44B2
	Diffraction_General	**DS4**	Nano-diffraction. Operand/In-situ X-ray Diffraction. Structural Analysis of Thin Film. Diffraction Topography. PDF Analysis. Reciprocal Space Mapping (RSM). X-ray Reflectivity. Measurement. X-ray Crystal Truncation Rod Scattering (CTR). Residual Stress Measurement	Amorphous Materials. Surface and Interface. Thin Films. Nanostructure. Others	04B2, 08W, 13XU, 16XU, 19B2, 28B2, 29XU
	Diffraction_High Pressure	**DS5**	Crystal Structure Determination under High-pressure. High- pressure X-ray Radiography	Properties under High-pressure. Material Synthesizing. Earth and Planetary Science. Ultra-high Pressure Generation Technology. Others	04B1, 10XU
Spectroscopy and Spectro-microscorpy	Spectroscopy_XAFS	**SP1**	General Purpose XAFS (including HX and SX). In-situ XAFS (including HX and SX). XMCD (including HX and SX). Combined XAFS (including HX and SX). Time Resolved XAFS	Battery and Catalyst Materials. Magnetic Materials. Structural Materials. Geography/Environmental Materials. Others	01B1, 14B2, 25SU, 27SU, 36XU, 39XU
	Spectroscopy_Advanced	**SP2**	Spectroscopy Imaging. Magnetic Imaging. X-ray Emission Spectroscopy. X-ray Raman Scattering. X-ray Fluorescence Spectroscopy. Trace-element Analysis. Microscopy XAFS	Battery and Catalyst Materials. Electrical, Optical, Magnetic Materials, and Devices. Materials Science. Bio/Medical Materials. Geography/Environmental Materials. Others	17SU, 25SU, 27SU, 37XU, 39XU
	Spectroscopy_PES	**SP3**	HAXPES. PES (SX). PEEM	Materials Science. Magnetic Materials. Surface and Interface. Battery and Catalyst Materials. Others	09XU, 17SU, 25SU, 46XU
	Spectroscopy_IR	**SP4**	IR Spectroscopy. IR Imaging	Chemical Materials. Infrared Properties. Others	43IR
Imaging	Imaging	**IMG**	Micro/Nano CT. High Speed Photographing. Topography. Optical Device Evaluation	Materials Science. Medical Biology. Earth and Planetary Sciences. X-ray Optics. Others	20B2, 20XU, 28B2, 29XU, 47XU
Inelastic Scattering	Inelastic Scattering	**IXS**	Nuclear Resonant Scattering. High Resolution Inelastic X-Ray Scattering. Compton Scattering	Nuclear Resonant Scattering (Including Elastic Scattering). High Resolution Inelastic X-Ray Scattering. Compton Scattering. Others	08W, 19LXU, 35XU, 43LXU
Structural Biology	Structural Biology	**SB**	Macromolecular Crystallography. BioSAXS	Macromolecular Crystallography BioSAXS. Macromolecular Crystallography & CryoTEM. Macromolecular Crystallography & BioSAXS. BioSAXS & CryoTEM. Macromolecular Crystallography & BioSAXS & CryoTEM	26B1, 32XU, 38B1, 41XU, 45XU
Industrial Application	Industrial Application	**IND**	Diffraction and Scattering. Spectroscopy and Spectro- microscopy. Imaging. Inelastic Scattering. Others	Diffraction_SAXS/WAXS. Diffraction_Single Crystal. Diffraction_Powder. Diffraction_General. Diffraction_High Pressure. Spectroscopy_XAFS. Spectroscopy_Advanced. Spectroscopy_PES. Spectroscopy_IR. Imaging. Inelastic Scattering. Others	all
Humanities and Social Science	Humanities and Social Science	**HSS**	(same as above)	(same as above)	all
Others	Others	**OTH**	Carry-in Equipment	X-ray Fluorescence Holography. Others (Carry-in Equipment)	*possible options: 47XU, 29XU,32B2