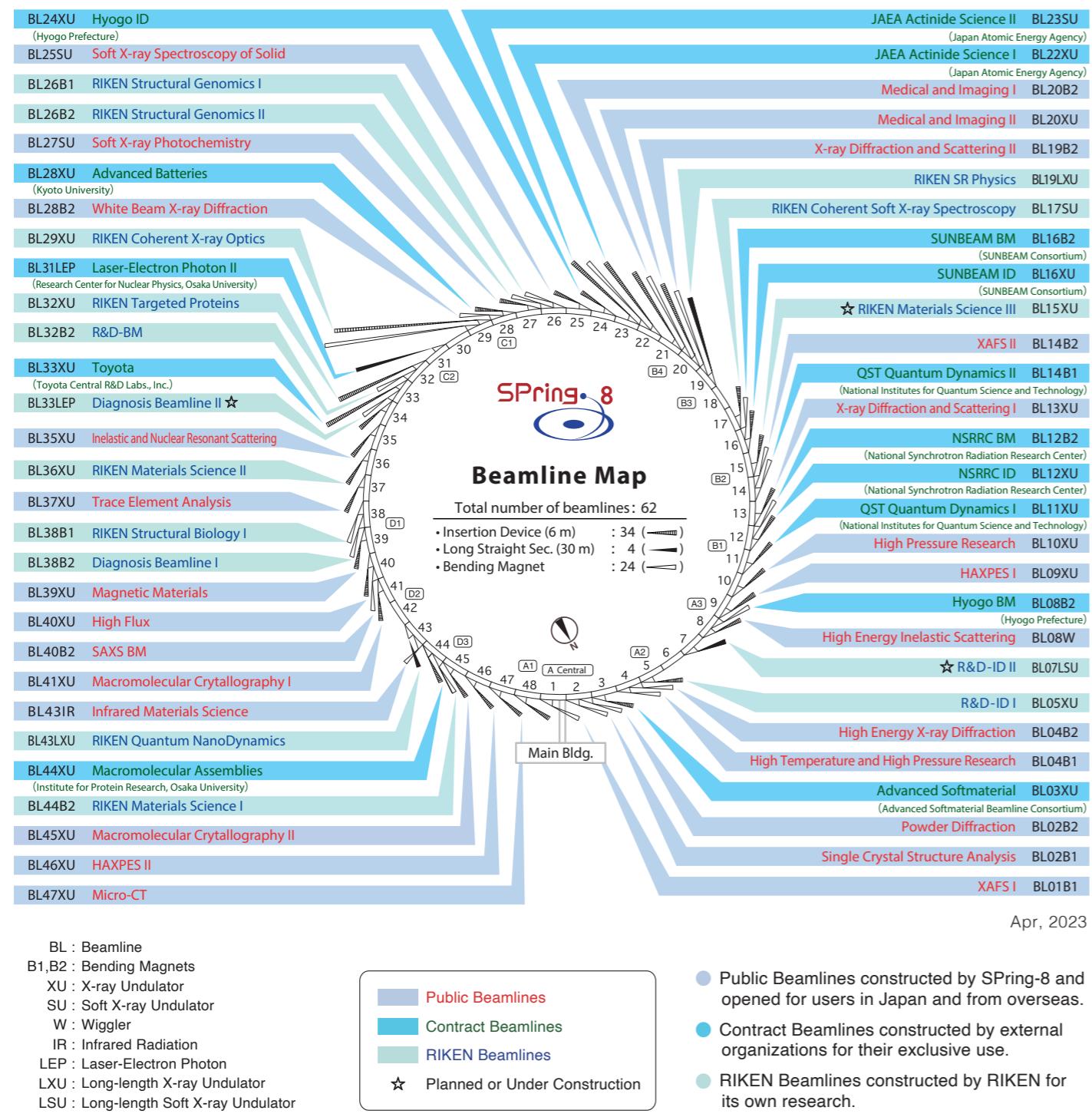


SPring-8 Beamline

Beamline Map

The beamlines are shown below with the names, source types and locations. The lengths of normal beamlines are designed to be less than 80 m from the source point.

The lengths of nine and three beamlines are able to extend to 300 m and 1,000 m, respectively.



Tables of Beamlines in Use

Light source types and photon energies are designed according to each beamline's research requirements.
Basic research equipment is installed in the experimental station.

SPring-8 Beamlines

	Public	Contract	RIKEN	Total
Operational	26	15	13	54
Under Construction	0	0	3	3
Total	26	15	16	57

Contract Beamlines (15)

Name of Beamline	Beamline No.	Source	Photon Energy
Advanced Softmaterial (Advanced Softmaterial Beamline Consortium)	BL03XU	U	6~35 keV
Hyogo BM (Hyogo Prefecture)	BL08B2	BM	4.6~20 keV
Hyogo ID (Hyogo Prefecture)	BL24XU	U	5~20 keV
NSRRC ID (National Synchrotron Radiation Research Center)	BL12XU	U	4.5~30 keV
NSRRC BM (National Synchrotron Radiation Research Center)	BL12B2	BM	7~35 keV
SUNBEAM ID (SUNBEAM Consortium)	BL16XU	U	4.5~40 keV
SUNBEAM BM (SUNBEAM Consortium)	BL16B2	BM	4.5~113 keV
Advanced Batteries (Kyoto University)	BL28XU	U	4~46 keV
Toyota (Toyota Central R&D Labs., Inc.)	BL33XU	U	4~72 keV
Laser-Electron Photon II (Research Center for Nuclear Physics, Osaka University)	BL31LEP	LEP	1.4~2.9 GeV
Macromolecular Assemblies (Institute for Protein Research, Osaka University)	BL44XU	U	6.5~17.7 keV
QST Quantum Dynamics I (National Institutes for Quantum Science and Technology)	BL11XU	U	6~70 keV
QST Quantum Dynamics II (National Institutes for Quantum Science and Technology)	BL14B1	BM	5~150 keV
JAEA Actinide Science I (Japan Atomic Energy Agency)	BL22XU	U	4~70 keV
JAEA Actinide Science II (Japan Atomic Energy Agency)	BL23SU	U	0.4~1.8 keV

Public Beamlines (26)

Name of Beamline	Beamline No.	Source	Photon Energy
XAFS I	BL01B1	BM	3.8~113 keV
Single Crystal Structure Analysis	BL02B1	BM	5~115 keV
Powder Diffraction	BL02B2	BM	12~37 keV
High Temperature and High Pressure Research	BL04B1	BM	20~150 keV
High Energy X-ray Diffraction	BL04B2	BM	37.8~113.4 keV
High Energy Inelastic Scattering	BL08W	W	110~300 keV
HAXPES I	BL09XU	U	4.91~12 keV
High Pressure Research	BL10XU	U	6~61 keV
X-ray Diffraction and Scattering I	BL13XU	U	5~72 keV
XAFS II	BL14B2	BM	3.8~72 keV
X-ray Diffraction and Scattering II	BL19B2	BM	5~72 keV
Medical and Imaging II	BL20XU	U	7.62~61 keV
Medical and Imaging I	BL20B2	BM	5.0~113.3 keV
Soft X-ray Spectroscopy of Solid	BL25SU	U	0.12~2 keV
Soft X-ray Photochemistry	BL27SU	U	0.17~3.3 keV
White Beam X-ray Diffraction	BL28B2	BM	5~200 keV
Inelastic and Nuclear Resonant Scattering	BL35XU	U	14.4~100 keV
Trace Element Analysis	BL37XU	U	4.5~113 keV
Magnetic Materials	BL39XU	U	5~37 keV
High Flux	BL40XU	U	8~17 keV
SAXS BM	BL40B2	BM	6.5~22 keV
Macromolecular Crystallography I	BL41XU	U	6.5~35 keV
Infrared Materials Science	BL43IR	BM	10 meV~2 eV
Macromolecular Crystallography II	BL45XU	U	6.5~16 keV
HAXPES II	BL46XU	U	6~37 keV
Micro-CT	BL47XU	U	5.2~37.7 keV

RIKEN Beamlines (16)

Name of Beamline	Beamline No.	Source	Photon Energy
RIKEN Materials Science III	BL15XU	U	
RIKEN Coherent Soft X-ray Spectroscopy	BL17SU	U	0.225~2.0 keV
RIKEN SR Physics	BL19LXU	U	7.1~51 keV
RIKEN Structural Genomics I	BL26B1	BM	6~17 keV
RIKEN Structural Genomics II	BK26B2	BM	6~17 keV
RIKEN Coherent X-ray Optics	BL29XU	U	4.4~56 keV
RIKEN Targeted Proteins	BL32XU	U	9~18 keV
RIKEN Materials Science II	BL36XU	U	4.5~35 keV
RIKEN Structural Biology I	BL38B1	BM	6.5~14 keV
RIKEN Quantum NanoDynamics	BL43LXU	U	14.4~25 keV
RIKEN Materials Science I	BL44B2	BM	15.5~30.2 keV
R&D-ID I	BL05XU	U	7~15 keV
R&D-ID II	BL07LSU	U	0.25~2 keV
R&D-BM	BL32B2	BM	
Diagnosis Beamline II	BL33LEP	LEP	1.5~2.9 GeV
Diagnosis Beamline I	BL38B2	BM	