Beamline	**BL44XU**	**BL41XU**		**BL45XU**	**BL32XU**
		normal mode	high-energy mode		
Available wavelength (Å)	0.7-1.9	0.7 - 1.9	0.35 - 0.65	0.775-1.9	0.8 - 1.24
Available beam size (w×h, μm)	20 x 20 - 70 x 70	5 × 5 - 50 × 50 (5 x 5, 10 x 10, 20 x 20, 20 x 50, 50 x 50)	30 × 30 - 300 × 300	5 x 5 - 50 x 50 (5 x 5, 10 x 10, 20 x 20, 10 x 50, 50 x 50)	1 × 1 - 10 × 15
Photon flux (photons/sec)	3.0×10^{12} (@0.9 Å: 50 um pinhole)	2.6×10^{12} - 1.3×10^{13} (@1 Å)	1.7×10^{10} - 2.3×10^{12} (@0.4133 Å)	5.7×10^{12} - 1.7×10^{13} (@1 Å)	9.0×10^{10} /μm^2 @1 Å (constant flux density)
Detector	EIGER X 16M	EIGER2 XE 16M	EIGER2 X CdTe 4M	EIGER X 16M	EIGER X 9M
type	PAD	PAD	PAD	PAD	PAD
active area (w×h, mm^2)	311.2 x 327.8	311.2 x 327.8	155.1 x 162.15	311.2 x 327.8	233.2 × 245.2
pixel size (μm^2)	75 x 75	75 x 75	75 x 75	75 x 75	75 × 75
pixel number (w×h)	4150 x 4371	4148 x 4362	2068 x 2162	4150 x 4371	3110 × 3269
readout time	3 μs	3 μs	3 μs	3 μs	3 μs
max frame rate (Hz)	133	560	560	133	238
Detector distance (mm)	115 - 1200	120 - 800	55 - 400	120 - 700	125 - 500
Detector offset	Vertical: +150 mm	Vertical: 0 - 200 mm	Horizontal: ±40 mm Vertical: ±50 mm	-	-
Maximum resolution (Å)	1.00 @λ=0.9 Å, w/o offset 0.78 @λ=0.7 Å, w/o offset	1.13 @λ=1 Å, dist=120mm 0.79 @λ=0.7 Å, dist=120mm	0.41 @λ=0.35 Å, dist=65mm	1.13 @λ=1 Å, dist=120mm 0.87 @λ=0.775 Å, dist=120mm	1.36 @λ=1 Å
Sample changer	SPACE-II (twin arm) 15 sec for exchange	SPACE-II (twin arm) 15 sec for exchange	SPACE	SPACE-II (twin arm) 15 sec for exchange	SPACE
Max. no. of unipucks	8	8	4	42 (with Puck exchange system)	8
Cryostream	N_2: 90 - 100 K He: 20 - 100 K	N_2: 90 - 100 K He: 20 - 100 K	N_2: 90 - 100 K He: 20 - 100 K	N_2: 100 K	N_2: 100 K
Available software for experiment	BSS	BSS, KUMA, SHIKA	BSS	BSS, KUMA, SHIKA	BSS, KUMA, SHIKA
Automatic data collection		ZOO system		ZOO system	ZOO system
Remarks					~10^{12} photons/μm^2/s available on request
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Last update	2024-03-22	2024-03-22	2024-03-22	2024-03-22	2020-04-02

Beamline	**BL26B1**	**BL12B2**	**BL38B1** (SAXS)
Available wavelength (Å)	0.75 - 1.9	0.6 -1.9	Currently adjusting
Available beam size (w×h, μm)	20 x 20 - 300 x 300	200 x 200	Currently adjusting
Photon flux (photons/sec)	1.6×10^{10} - 2.5×10^{11}(@1 Å)	5×10^{10} (@1 Å)	Currently adjusting
Detector	EIGER X 4M	MX225HE	PILATUS3X 2M
type	PAD	CCD	PAD
active area (w×h, mm^2)	155.2 x 162.5	225 x 225	253.7 x 288.8
pixel size (μm^2)	75 x 75	73.2 x 73.2	172 x 172
pixel number (w×h)	2070 x 2167	3072 x 3072	1475 x 1679
readout time	3 μs	1.9 s	0.95 ms
max frame rate (Hz)	750	-	250
Detector distance (mm)	47 - 265	85 - 800	450 - 3500
Detector offset	-	Horizontal: ±50 mm Vertical: -10 - +95 mm	-
Maximum resolution (Å)	1.02 @λ=1 Å	1.12 @λ=1 Å, w/o offset	q range: 0.005 - 2.6 $Å^{-1}$ (@λ=1 Å)
Sample changer	SPACE	SPACE	GILSON 223 sample changer
Max. no. of unipucks	8	2	-
Cryostream	N_2: 100 - 270 K	N_2: 90-270 K	-
Available software for experiment	BSS	BSS	Data Collector
Automatic data collection			
Remarks			
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Last update	2024-02-28	2016-09-27	2019-06-20