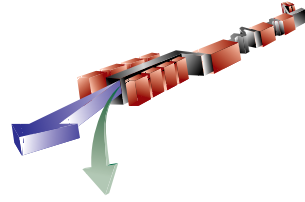


# B Control Points



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## B.1 Injector Control Points

Qty	Type	Device
2	Magnet	Bend magnet – DL1 bend
9	Magnet	Quad magnet
10	Magnet	X-Y Corrector Pair
2	Magnet	Solenoid
2	Magnet	Spectrometer
1	RF	Gun
2	RF	Accelerating Structure
1	RF	Transverse RF Structure
1	TIMING	Timing/Trigger System
1	Laser	Gun Laser
1	Laser	Alignment Laser
13	DIAG	BPM
4	DIAG	Wire Scanner
11	DIAG	Profile Monitor
3	DIAG	Toroid
1	DIAG	Transverse RF BL Monitor
3	DIAG	Faraday Cup
1	DIAG	Energy Collimator
1	DIAG	Tune-up Dump
1	VAC	Vacuum System Control
1	MISC	Environmental Monitoring
1	PROT	PPS, BCS, MPS System

**B.2 Accelerator Control Points – New Devices**

<b>Qty</b>	<b>Type</b>	<b>Device</b>
6	Magnet	Bend – BC2
4	Magnet	Bend – DL2
6	Magnet	Bend – BC1
30	Magnet	Quad – 0.91Q17.72
3	Magnet	Quad – 1Q5.6
6	Magnet	Quad - QE
1	Magnet	SC_WIGG
2	Magnet	Bend - VB
2	Magnet	Dumpline Bend
40	Magnet	X/Y Corrector Pair
1	MECH	Translation, Bends BC1
1	MECH	Translation, Quads BC1
2	MECH	BC1&2 Articulation Linkage
1	MECH	Translation, Bends BC2
1	MECH	Translation, Quads BC2
1	RF	X-Band RF System
3	DIAG	BLM
1	DIAG	Transverse RF BLM
6	DIAG	New BPM Linac Style
2	DIAG	New BPM Special BC1&2
64	DIAG	Upgraded BPM Electronics
4	DIAG	Collimator
3	DIAG	Tune Up Dump
3	DIAG	Profile Monitor
6	DIAG	Toroid
14	DIAG	Wire Scanner
1	DIAG	EOBTM Laser
1	DIAG	EOBTM Optics
1	DIAG	EOBTM Vacuum
1	VAC	Vacuum System Control
1	MISC	Environmental Monitoring
1	PROT	PPS, BCS, MPS System

### B.3 Undulator Control Points

Qty	Type	Device
41	Magnet	X-Y Corrector Pair
66	MOVERS	PIEZO Movers – Undulator Gap Control
165	MOVERS	CAM Movers – Undulator
41	MOVERS	Quad Movers – X-Y Slide
56	DIAG	Beam Position Monitor
11	DIAG	Cherenkov Detector
11	DIAG	OTR Foil
11	DIAG	Current Monitor
11	DIAG	Diamond Crystal
11	DIAG	PIN Diode
41	ALIGN	Wire Position Monitor
1	VAC	Vacuum System Control
1	MISC	Environmental Monitoring
1	PROT	PPS, BCS, MPS System

**B.4 X-Ray Optics Control Points**

Qty	Type	Device
1	PPS	Main beam stop
2	PPS	Hutch beam stop
1	VAC	Fast valve
1	OPTICS	Gas attenuator
3	OPTICS	Solid attenuator
1	OPTICS	Harmonic rejection mirror system
1	OPTICS	K-B mirror system
1	OPTICS	Zone plate system
6	OPTICS	Adjustable local aperture
1	OPTICS	Pulse split/delay system
1	OPTICS	Crystal monochromator
3	DIAG	Scattered light imager
3	DIAG	Ion chamber
5	DIAG	Direct beam imager
12	MECH	Positioner
2	MECH	Slit assembly
1	TIMING	Timing/synch
1	Laser	Laser
1	EXPT	Area detector
1	EXPT	Diffractionmeter
1	VAC	Vacuum System Control
1	MISC	Environmental Monitoring