

Sector 20

Date 11/10/04

Coordinate system is linac system with origin at intersection of linac and LCLS injector.

Ideals

	Z (meters)	X (meters)	Y (meters)	
Injection	0.0000	0.0000	0.0000	Origin
FarInjection	-16.3830	11.4715	0.0000	20 meter point on injection line
BMH1	-2.6383	1.8473	0.0000	Beam holes through walls
BMH2	-2.9320	2.0530	0.0000	
BMH3	-4.0687	2.8489	0.0000	
BMH4	-4.5604	3.1932	0.0000	
LHA1	-2.6075	1.4537	0.3048	East laser holes through walls
LHA2	-3.1069	1.8034	0.3048	
LHA3	-4.2868	2.6296	0.3048	
LHA4	-4.7786	2.9739	0.3048	
LHB1	-2.5381	1.9904	0.3048	West laser holes through walls
LHB2	-2.8319	2.1961	0.3048	
LHB3	-3.9437	2.9746	0.3048	
LHB4	-4.4354	3.3189	0.3048	

Actuals

	Z (meters)	X (meters)	Y (meters)	
JP206	-40.6527	-0.4228	-0.2538	Jackpoints
JP207	-28.3088	-0.4224	-0.2544	
JP208	-15.9593	-0.4223	-0.2539	
JP209	-6.6621	-0.4224	-0.2539	
JP211	2.2658	-0.4228	-0.2541	
JP212	11.5670	-0.4225	-0.2539	
JP213	23.9161	-0.4226	-0.2541	
MidQuad901	-3.3667	-0.0002	0.0000	Quads
MidQuad801	-16.0395	0.0001	0.0002	
MidQuad701	-28.3900	0.0002	-0.0008	
MidQuad201	11.3510	-0.0002	-0.0008	
BMH1_Actual	-2.6403	1.8444	-0.0068	Beam holes through walls
BMH2_Actual	-2.9321	2.0529	0.0021	
BMH3_Actual	-4.0718	2.8444	-0.0001	
BMH4_Actual	-4.5549	3.2011	-0.0003	
LHA1_Actual	-2.6054	1.4567	0.3083	East laser holes through walls
LHA2_Actual	-3.1081	1.8017	0.3115	
LHA3_Actual	-4.2889	2.6267	0.3121	
LHA4_Actual	-4.7671	2.9903	0.3127	
LHB1_Actual	-2.5397	1.9881	0.303	West laser holes through walls
LHB2_Actual	-2.8332	2.1943	0.3023	
LHB3_Actual	-3.9457	2.9717	0.3105	
LHB4_Actual	-4.4312	3.3249	0.3046	
FastVacValve	2.1743	-0.0027	-0.0004	Upstream face
Jack Point 20-9	2.1170			Upstream face of downstream light pipe flange
Jack Point 21-1	2.2208			Upstream face of upstream light pipe flange