

Location	Abs (m)	Rel (m)	Length (m)	Abs (ft)	Rel (ft)	Length (ft)	Comment
End of BSY/Start of DL2	3224.022	0.000	0.000	10577.500	0.000	0.000	From M. Woodley's Deck / from FFTB
End of DL2	3289.540	65.518	65.518	10792.454	214.954	214.954	Original DL2 beamline length from deck
End of extra diagnostic space	3320.509	96.487	30.969	10894.058	316.558	101.604	Extra space left over after moving near hall
Start of undulator	3320.509	96.487	0.000	10894.058	316.558	0.000	Defined by this table
End of undulator	3441.578	217.556	121.069	11291.266	713.766	397.208	Length of Undulator based on APS specs.
West face of first dump magnet	3446.578	222.556	5.000	11307.671	730.171	16.404	5.0 m gap defined by this table
East face of last dump magnet	3457.804	233.782	11.226	11344.501	767.001	36.831	From S. Mao
West face of front end enclosure	3457.804	233.782	0.000	11344.501	767.001	0.000	Start of x-ray components
West face of dump ring	3473.044	249.022	15.240	11394.501	817.001	50.000	
West face of dump	3474.578	250.556	1.534	11399.534	822.034	5.033	From S. Mao
West face of near hall	3481.578	257.556	7.000	11422.500	845.000	22.966	Relative distance DEFINED to be 845 ft
East face of near hall	3536.442	312.420	54.864	11602.500	1025.000	180.000	Near hall is 180 ft in the beam direction
West face of far hall	3763.518	539.496	227.076	12347.500	1770.000	745.000	Tunnel is 745 ft long
East face of far hall	3820.211	596.189	56.693	12533.500	1956.000	186.000	Far hall is 186 ft in the beam direction
Length of DL2			65.518			214.954	
Length of extra diagnostic space			30.969			101.604	
Length of undulator			121.069			397.208	
Gap between undulator and dumpline			5.000			16.404	
Length of dumpline			28			91.864	
Length of dump			1.5			4.921	
From 1st. Dump mag to Near Hall			35			114.829	
Start DL2 to end of dump			252.056			826.955	
Start DL2 to Near Hall			257.556			845.000	
End of undulator to west face of near hall			40.000			131.234	
End of undulator to west face of far hall			321.940			1056.234	