



Jefferson Lab Alignment Group

Data Transmittal

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The Forward Time of Flights (FTOF) were moved into their run position and measured along with the Forward Calorimeter. The results below show the location of the paper targets (ref memo D1945) in the CEBAF coordinate system and also relative to the Hall D zero location. Additionally the Z- distance to target is shown.

For the local coordinates, positive dx is to the beam left from zero position looking downstream; negative -y is the amount lower than the beamline; positive z is amount downstream from the zero position. Accuracy for this survey is approximately in the millimeter range. Units shown are millimeters.

CLW is the center of the window in the detector array. DZERO is the reference coordinate for Hall D and Hall D Targ is the ideal target center for Hall D.

Target #	Cebaf Coordinates [meters]			Local Coordinates			
	X[m]	Y[m]	Z[m]	dx	dy	dz	Z - Target
T1	80.61123	104.85040	404.15922	11.2	150.4	6025.3	5369.4
T2	81.42460	104.85066	404.16017	824.6	150.7	6026.3	5370.3
T3	79.79836	104.85288	404.15827	-801.6	152.9	6024.4	5368.4
T4	80.60656	105.54798	404.15896	6.6	848.0	6025.1	5369.1
T5	81.41726	105.54823	404.15991	817.3	848.2	6026.0	5370.1
T6	79.79236	105.55189	404.15801	-807.6	851.9	6024.1	5368.2
T7	80.60777	104.54233	404.15933	7.8	-157.7	6025.4	5369.5
T8	81.42144	104.54451	404.16028	821.4	-155.5	6026.4	5370.5
T9	79.79391	104.54781	404.15837	-806.1	-152.2	6024.5	5368.5
T10	80.61058	103.84716	404.15958	10.6	-852.8	6025.7	5369.8
T11	81.42332	103.84617	404.16054	823.3	-853.8	6026.7	5370.7
T12	79.79676	103.85142	404.15863	-803.2	-848.6	6024.7	5368.8
CLW	80.60420	104.69964	404.15757	4.2	-0.4	6023.7	5367.7
DZERO	80.60000	104.70000	398.13389	0.0	0.0	0.0	-655.9
Hall D Targ	80.60000	104.70000	398.78983	0.0	0.0	655.9	0.0