



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Stepanyan

DATE: 30 Nov 2017

FROM: Kelly Tremblay

Checked:

: B1831

DETAILS:

data: step2a\hallb >> 170127a\b\c >> svt\170125a

Components in the Hall B beam line were surveyed at the end of January, 2017 for the Hall B KPP run. The data below shows the found coordinates for each component in the CEBAF coordinate system, the offsets from that ideal in the beam following system (BFS) and the angular difference from ideal beam following values. In the BFS, +x indicates the component is to the beam left; +y is above ideal; -z is upstream from ideal. A +yaw is counter clockwise about the y axis; +pitch is clockwise about the x axis.

Component	Z from 12G Targ	Cebaf Coordinates [meters]			Delta BFS [mm]			Angles [degrees]	
		X [m]	Y [m]	Z [m]	dX	dY	dZ	dYaw	dPitch
Harp_Cen	0.0570	-80.59984	103.356	-398.87853	0.16	0.72	-57.00	0.01401	0.21302
SVTKPP	-1.2697	-80.60032	103.35400	-397.55178	0.32	-1.26	0.25		
IPM2H01	-8.4454	-80.60000	103.35525	-390.37618	0.00	-0.01	-0.01		
MQA2H00B	-9.9971	-80.54398	103.41124	-388.82443	-0.18	0.21	-0.01		
MQA2H00A	-10.7197	-80.54397	103.41126	-388.10184	-0.01	-0.01	-0.15		