



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: C1468

DETAILS:

data: step2b\hallc\qweak\120621a

Below are the results from the recent survey carried out on the Qweak target assembly. The ideal Z center for the hydrogen target was calculated at 606.36 centimeters downstream of the Hall C pivot point. The values below are relative to this ideal H target position. A -Z is upstream from ideal, a +X is to the beam left, and a -Y is below. A + yaw angle is counter clockwise looking from above and a - pitch angle is clockwise looking from the beam right. Targets 3 and 5 at the downstream end of the ladder were measured at the downstream face. The remaining solid targets were measured at the upstream face.

TARGET	Z	X	Y	YAW	PITCH
H tgt center	-31.1	-1.29	-1.33	0.059	-0.838
3 dnst face	138.6	0.44	-5.76	-0.009	-0.549
5 dnst face	136.3	-0.23	-5.34	0.033	-0.556
7 upst face	-210.0	1.02	-5.20	0.017	-0.544
8 upst face	-209.9	-0.31	-5.27	0.015	-0.540
9 upst face	-209.7	0.11	-5.45	0.030	-0.563
13 upst face	-210.5	0.63	-5.06	0.020	-0.535
14 upst face	-210.3	0.16	-5.39	0.031	-0.555
15 upst face	-210.4	0.39	-5.26	0.032	-0.561