



Jefferson Lab Alignment Group

Data Transmittal

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Checked: [jms]

: C1417

DETAILS:

data: step2b\hallc\qweak\111102A

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, 4, 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	-30.84	0.08	-0.55	0.049	-0.723
3 dnst face	139.55	0.35	-3.65	0.026	-0.421
4 dnst face	141.77	0.55	-4.03	0.035	-0.441
5 dnst face	137.29	0.43	-3.74	0.032	-0.424
7 upst face	-209.03	0.72	-1.28	0.026	-0.438
8 upst face	-208.72	0.19	-1.21	0.028	-0.427
9 upst face	-208.56	0.03	-0.99	0.021	-0.417
12 upst face	-208.55	0.06	-1.06	0.029	-0.419
13 upst face	-209.40	0.15	-1.49	0.017	-0.438
14 upst face	-209.10	0.10	-1.17	0.023	-0.423
15 upst face	-209.08	-0.13	-1.03	0.015	-0.416
23 (empty)	-----	0.36	-1.03	-0.026	-0.427