



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: A1190

DETAILS:

Data: Step2A\HallA\TARGET\080728A, 080926A, 080926B
Step 2B\HallA\TARGET\2008\080805A, 081006A

Below are the results from the recent survey performed on the Hall A E06-010 Transversity target assembly. A +Z is downstream from ideal, a +X is to the beam left, and a +Y is up. A +yaw angle is counter clockwise looking from above, a +pitch is ccw looking from the beam right, and a +roll is cw looking downstream. Values are in millimeters and degrees.

Note: The height of the vertical coils was changed by hall A staff after this survey was carried out. Also, because of time limitations, the target reference cell was aligned prior to operation of the drive motor. Therefore, no calibration or repeatability measurements were carried out.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
He3 target coils	-0.3	-1.3	-0.6	-0.02	-0.01	0.08
Top vertical coil	-0.3	0.6	396.5		-0.00	-0.01
Bot vertical coil	0.8	-0.8	-396.6		0.01	-0.01
Tgt reference cell	1.3	1.0	0.4	0.02	0.03	-0.15
Inside Upst coil	-266.2	-0.9	-0.2	-0.49	0.15	
Inside Dnst coil	258.4	2.3	-0.2	1.46	-0.73	
Coil support plate	-0.5	0.3	0.8	0.05	0.02	
Collimator bench		0.4	-0.8	0.02	-0.05	0.03
Upst coll 1	0.1					
Coll 2	-0.4					
Coll 3	0.1					
Dnst coll 4	0.5					