



Jefferson Lab Alignment Group

Data Transmittal

TO: J. LeRose, P. Bertin, D. Meekins

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FROM: C. Gould, J. Dahlberg

Checked:

: A950

DETAILS:

Below are the results from the Sept 3, 2004 survey performed on the Hall A target ladder. The values are relative to ideal target position (in millimeters), with +X to the beam left, +Z downstream, and +Y above. The repeated measurement when target cell 1 was moved vertically back into beam center was on one fiducial point and represents a relative change for that fiducial only.

LOCATION	Z	X	Y
Tgt. cell 1 (top)	-0.36	-1.67	0.13
Tgt. cell 2	-0.10	-0.98	0.07
Tgt. cell 3	-0.01	-0.94	-0.28
Tgt. cell 4 (bot)	0.03	-0.59	-0.40
Tgt. cell 1 (repeat)	-0.22	0.21	0.07
Center foil (optics tgt.)	-0.91		
4 cm upst	-19.91	-1.45	4.16
dnst	20.04	-2.94	-1.73
15 cm upst	-74.18	-2.43	-0.97
dnst	75.73	-4.75	-2.38
Crosshair tgt.	-0.53	-1.90	-0.29

Solid tgt ladder Pitch: -0.1261 deg. (ccw looking from beam right).

Yaw: 0.6074 deg. (ccw looking from above).