



Jefferson Lab Alignment Group

Data Transmittal

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FROM: J. Dahlberg

Checked:

: A1095

DETAILS:

Data: step2b\HALLA\TARGET\2007\070201A

Below are the results from the Hall A target survey performed Jan 31, 2007. A +X is beam left from ideal target centerline, a +Y is above, and a +Z is downstream. A +pitch is counter clockwise looking from the beam right, a +yaw is ccw from above, and a +roll is cw looking from upstream. Values are in millimeters and degrees. The collimator Z locations are to the upstream and downstream knife edges, and the X locations are to the beam left outside surfaces (measured 6.38mm from the inside edge with a caliper). The solid target ladder was measured at the center aperture and upstream face.

COMPONENT	Z	X	Y	Yaw	Pitch	Roll
Top target:						
target cell	0.42	-0.15	-0.64	0.052°	0.024°	0.138°
upstream collimator	15.04	37.37		-0.156°		0.607°
downstream collimator	116.33	21.54		-0.727°		-0.245°
Bottom target:						
target cell	-0.65	1.55	-1.30	-0.156°	-0.101°	0.258°
upstream collimator	14.58	39.17		-0.468°		0.375°
downstream collimator	115.87	22.46		-0.465°		0.249°
Solid target ladder:	-7.21	2.96	0.76	-0.198°	-0.398°	0.329°