



Jefferson Lab Alignment Group

Data Transmittal

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FROM: J. Dahlberg

Checked: SEH

: A1562

DETAILS:

Data: Step2a\HallA\140415a, Step 2b\HallA\140214a,140509a

Listed below are the results from the recent survey carried out on the Hall A Moller dipole, and detector components. A +X is to the beam left from ideal, a +Y is above, and a +Z is downstream. A + yaw angle is counter clockwise looking from above, a + pitch is CCW looking from the beam right side, and a + roll is CW looking from upstream. Values are in millimeters and degrees. The four points measured on the upstream slit of the detector are relative to the ideal detector center. The four points measured on the MMA1H01 downstream lead collimator slots are relative to the ideal dipole center.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
MMA1H01 DIPOLE						
Center	0.0	-0.1	0.1	0.008	0.024	-0.007
Coll beam left upper	1251.4	36.3	-115.8			
Coll beam left lower	1251.0	37.5	-294.4			
Coll beam right upper	1249.7	-45.8	-118.5			
Coll beam right lower	1248.9	-44.6	-294.7			
MOLLER DET.						
Center	12.1	2.5	9.0	0.714	-7.090	0.663
Upst slit top upper	-612	-0.5	75.4			
Upst slit top lower	-613	-0.4	31.3			
Upst slit bot upper	-612	-1.5	-4.5			
Upst slit bot lower	-614	-2.2	-20.2			
MOLLER BOX						
Box center	-0.5	0.4	-0.1	0.013	0.021	-0.012
Upstream slot	-536.0	-0.3				