



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Gomez, S. Glamazdin, J. LeRose

DATE: 16 Apr 2010

FROM: Kelly Tremblay

Checked: (cjc)

: A1280

DETAILS:

data: step2b\bsy\bsy10a\100325a & 100412a

The resulting location of the Hall A moller target (surveyed April 12th, 2010) is shown below. As requested the moller was moved beam left 0.3 millimeters, raised 1.1 mm and the pitch and yaw values were changed to -0.2521° and 142.6031° respectively. The deltas below reflect these changes and are the deltas from the new ideal coordinates. The quads downstream from the moller (surveyed March 25th, 2010) are also given.

A +z (bfs) indicates the component is too far downstream, a +x indicates the component is to the beam left and a +y means the component is high. A positive delta yaw indicates a counter clockwise rotation (when looked at from above), a positive delta pitch means the coil is pointing upwards from the upstream beam to the downstream beam, and a + roll indicates the coil is rotated clockwise from the ideal roll angle looking upstream.

The distance from the moller to each of the quads is shown in meters.

Component	dZ (mm)	dX (mm)	dY (mm)	d Yaw [°]	d Pitch [°]	d Roll [°]	Dist (m)
MOLTAR	1.22	-0.40	0.18	0.0373	-0.0158	-0.1083	
MQM1H02	0.14	-0.03	0.38	0.0061	0.0195	0.0123	0.933
MQO1H03	1.16	0.40	0.27	0.0267	0.0206	-0.0116	2.019
MQO1H03A	-0.83	0.33	0.09	-0.0634	-0.0009	-0.0266	2.674