



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Glamazdin

DATE: 20 Feb 2013

FROM: J. Dahlberg

Checked:

: A1496

DETAILS:

Data: Step2a\HALLA\120927b, BSY1C_12\130111A-130115A

Listed below are the results from the recent survey carried out on the Hall A moller components downstream from the moller target. The moller target was last surveyed in Jan 2011(DT#A1370). It should be noted that a 2nd survey is necessary prior to beam startup for final alignment. Values are in millimeters with a +X to the left from ideal beam center, a +Y above, and Z upstream from the Hall A pivot. The detector measurement is to the downstream face of the cylindrical tube array.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
MQ01H02	16751.4	0.07	-0.02	0.033	-0.010	-44.980
MQM1H02A	16098.7	0.22	0.05	0.038	-0.024	-44.957
MQ01H03	15412.5	-0.01	0.09	-0.015	0.011	-44.996
MQ01H03A	14757.4	-0.14	0.10	-0.067	0.019	-45.023
MMA1H01	13269.3	-0.69	-93.102	-0.007	0.025	0.035
Detector	9961.1	1.7	-503.6	-0.467	-7.129	-0.612

Detector ideal: Z=9971.4 X=0.0 Y= -512.4 Pitch= -7.3 deg.