



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Kashy, N. Okay

DATE: 24 Apr 2009

FROM: J. Dahlberg

Checked:

: B1228

DETAILS:

Data: prealign\hallb\090407a
step2b \hallb\target\polarized\090420a

Below are the results from the Hall B target and calorimeter survey carried out in Apr, 2009. A +Z is downstream from ideal, a +X is to the beam left, and a +Y is up. A + yaw is counter clockwise looking from above, a + pitch is ccw looking from the beam right, and a + roll is cw looking from upstream. Values are in millimeters and degrees.

Note: Because of beam line obstructions, temporary survey fiducials on the support cart had to be used for target alignment. Also, the calorimeter fiducial data came from a DVCS target drawing dated 18 Feb 2005 (no drawing #). The error between the as-set alignment data and the fiducial data for the calorimeter is approximately 0.5 millimeters. The RMS for the beam line position of the target and calorimeter is approximately 1 millimeter.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
TARGET	-100.5	0.1	0.3	-0.005	0.000	0.017
DVCS Calorimeter	-0.7	0.1	0.6	-0.028	-0.201	-0.019