



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Kashy, V. Burkert, E. Smith, S. Stepany, N. Okay

DATE: 18 Nov 2008

FROM: Kelly Tremblay

Checked: (JCD)

: B1200

DETAILS:

data : step2b\hallb\dvcs_e1\081104A and 081113A

The Hall B solenoid and target were surveyed with the cart assembly in the DVCS E1 experiment position on the 13th of November, 2008. The location of the calorimeter was calculated based upon the November 4th, 2008 alignment to the solenoid survey.

The results below are the difference from the components ideal location. A +Z is downstream from ideal, +X is beam left from ideal, and +Y is above. Z* refers the distance from CLAS center with a negative upstream. A +pitch is counter clockwise looking from the beam right, a +yaw is counter clockwise from above, and a +roll is clockwise looking from upstream. Z, X and Y Values are in millimeters. Angle data is in decimal degrees.

Component	Z* (mm)	Z (mm)	X (mm)	Y (mm)	Yaw °	Pitch °	Roll °
Target	-576.2	-1.2	0.7	-0.1	0.012	0.003	0.014
Solenoid	-642.1	-2.1	-0.2	0.5	-0.007	0.033	-0.030
Calorimeter	-1.5	-1.5	-0.2	1.4	0.106	-0.095	-0.017