



Jefferson Lab Alignment Group Data Transmittal

TO: M. Jones, S. Wood

DATE: 15 Nov 2007

FROM: J. Dahlberg

Checked: KT

: C1142r

DETAILS:

Data: step2b\hallc\gep_bigCal\070925a

Note: This data transmittal has been revised. The updated values below are based on the latest fiducial data obtained after the “BigCal” detector was moved to the Hall. The fiducial data used in the original transmittal, which was measured in the test lab, is no longer valid because of differences seen after transported to the hall.

Below are the results from the Hall C “Big Cal” detector survey performed on Sept. 24 2007. The values are offsets from the ideal location of 9.600 meters downstream from the target center and 60.3 degrees counter clockwise from the straight ahead beam line.

Z: 0.0
X: 2.6 mm to the beam left.
Y: 0.9 mm high.
Yaw: 0.054 deg clockwise looking from above.
Pitch: 0.147 deg clockwise looking from the beam right.
Roll: 0.171 deg counter clockwise looking downstream.

The 2.6 millimeter X offset places the detector at an angle of 60.316 degrees from the straight ahead beam line.