



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlatch

DATE: 28 Nov 2017

FROM: S. Hardisty

Checked: JCD

: D1830

DETAILS:

Below are the result from the recent survey carried out on the Hall D FCAL detector. Machine coordinates are given along with offsets from ideal in millimeters. A +X is to the beam left, a +Y is above, and a +Z is downstream from ideal. A -Yaw angle (in degrees), is clockwise looking from above, a + pitch is ccw looking from the beam right side, and a - roll is ccw looking from upstream.

HDFCAL

2017.11.28 10:43

zone AD

Mechanical 404.38680 80.60000 104.70000 (ideal)

Mechanical 404.38664 80.60739 104.69997 (found)

Delta (mm) -0.160 7.390 -0.031 (beam following)

YawPitchRoll 0.00000 0.00000 0.00000 (ideal)

YawPitchRoll -0.06331 0.03323 -0.01318 (found)

Delta -0.06331 0.03323 -0.01318 (YawPitchRoll)