



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlatch

DATE: 08/16/2018

FROM: Chris Gould

Checked:

: D1880

DETAILS:

Data: Step2B\HallD\150121A, 150220A, 150223A, Fiducial\HallD\Target\150211A

Below are the results from the recent Hall D surveys. CEBAF Mechanical coordinates are in meters. A + roll angle (in degrees), is clockwise looking from upstream, a + pitch angle is ccw looking from the beam right, and a + yaw angle is ccw looking from above.

| | Z | X | Y | rY (Yaw) | rX (Pitch) | rZ (Roll) |
|------------------|-----------|----------|-----------|----------|------------|-----------|
| Pair Spec. | 386.76733 | 80.59990 | 104.69956 | 0.0067 | -0.0108 | -0.0020 |
| Left High Gran. | 389.69421 | 80.83852 | 104.69998 | 4.6729 | 0.0220 | 0.0096 |
| Right High Gran. | 389.69475 | 80.36141 | 104.70001 | -4.6895 | 0.0047 | 0.0141 |
| Left Low Gran. | 390.18349 | 80.87509 | 104.70087 | 4.7813 | -0.0037 | -0.0906 |
| Right Low Gran. | 390.18350 | 80.32517 | 104.70267 | -4.6929 | -0.0958 | 0.0982 |
| Target | 398.79009 | 80.59997 | 104.69996 | 0.0043 | -0.0020 | -0.0129 |
| TAC US Face | 414.40680 | 80.59981 | 104.70033 | 0.1168 | 0.1065 | |