



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** T. Whitlatch

**DATE:** 10/20/2021

**FROM:** Elena Balan

**Checked:** TPSIII

**# :** D2014

**DETAILS:**

M:\align\DATA\Step2B\HallD\COMPCAL\211020A

The data below shows the as found position of the Hall D, CMPCAL surveyed on 20<sup>th</sup> October 2021. The found coordinates are in the CEBAF coordinate system. For the local coordinates, positive x is to the beam left from zero position looking downstream; positive y is above the beamline; positive z is downstream. A positive yaw angle will be counterclock wise from above, a positive pitch angle will be clock wise from beam left, and a positive roll angle will be clock wise looking downstream.

| Name   | CEBAF measured |           |           | Beam Following System |        |        | Angular Position [ deg.] |          |          |
|--------|----------------|-----------|-----------|-----------------------|--------|--------|--------------------------|----------|----------|
|        | X[m]           | Y[m]      | Z[m]      | dx[mm]                | dy[mm] | dz[mm] | Yaw°                     | Pitch°   | Roll°    |
| CMPCAL | 80.59991       | 104.70067 | 410.89731 | -0.09                 | 0.67   | -42.28 | -0.04927                 | -0.10686 | -0.00888 |