



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: A1593

DETAILS:

Below are the results from the survey of the left spectrometer on Dec 22nd, 2014. The horizontal pointing value shows how much the central axis of the spectrometer misses the ideal target. This value is perpendicular to the spectrometer axis, not along the beam line. For the vertical pointing, a positive value indicates that the spectrometer is pointing above the target.

===== RESULTS ===== E122214A

The central ray of the spectrometer is at -23.451degrees.

The central ray is missing the defined target center by 0.08 [mm] Downstream
and -0.74 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at -23.450 degrees.

To achieve this optimal setting make the following adjustments:

Horizontal corrections: Move rear jacks along tangent 0.09 mm Downstream.

9 Par Aposter Val : 0.136 (mm)

3dd stdev : 1.18
