



Jefferson Lab Alignment Group

Data Transmittal

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Checked: SEH

: A1631

DETAILS:

Data: Aalign\Hadron\2015\H050515a

Below are the results from the survey of the right spectrometer on May 05, 2015. 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 ===== H050515A

The central ray of the spectrometer is at 48.759 degrees.

The central ray is missing the defined target center by -3.28 [mm] Upstream and -1.29 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at 48.737 degrees.

To achieve this optimal setting make the following adjustments:

Horizontal corrections: Move rear jacks along tangent -3.34 mm Upstream.

9 Par Aposter Val : 0.24 (mm)

3dd stdev : 1.13
