

Jefferson Lab Alignment Group

Data Transmittal

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DETAILS: data: aalign\hadron\2016\H111016A

Below are the results from the survey of the right spectrometer on November 10th, 2016. This is the first of two surveys on November 10th, of the right spectrometer. 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.

A graphical sketch is shown at the end of this transmittal

======== H111016A

The central ray of the spectrometer is at 53.501 degrees

The central ray is missing the defined target center by -4.13 [mm] Upstream and -2.27 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at 53.473 degrees

To achieve this optimal setting make the following adjustments: spectrometer will be at 53.473 degrees Horizontal corrections:

Move rear jacks along tangent -4.21 mm Upstream

9 Par Aposter Val: 0.25 (mm)

No 3DD output file available to report std. dev

