



Jefferson Lab Alignment Group Data Transmittal

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Checked:

: A1886

DETAILS:

data : aalign\hadron\2018\H091218A

Below are the results from the survey of the right spectrometer on September 12 2018. 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

===== RESULTS ===== H091218A

The central ray of the spectrometer is at 24.014 degrees
The central ray is missing the defined target center by 2.71 [mm] Downstream
and -2.25 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at 23.995 degrees

To achieve this optimal setting make the following adjustments:
spectrometer will be at 23.995 degrees
Horizontal corrections:

Move rear jacks along tangent -2.76 mm Downstream

9 Par A posteriori value : 0.26 (mm)

