



Jefferson Lab Alignment Group

Data Transmittal

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Checked: rtm

: A2011

DETAILS:

data: AAlign\Electron\2021\E092121

Below are the results from the survey of the left spectrometer on September 21st 2021. The horizontal pointing value presents how far the central axis of the spectrometer is from 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.

===== LEFT SPECTROMETER RESULTS ===== E092121

The central ray of the spectrometer is at -94.997 degrees
The central ray is missing the defined target center by 0.28 [mm] Upstream
and 1.32 mm vertically [positive value is up]

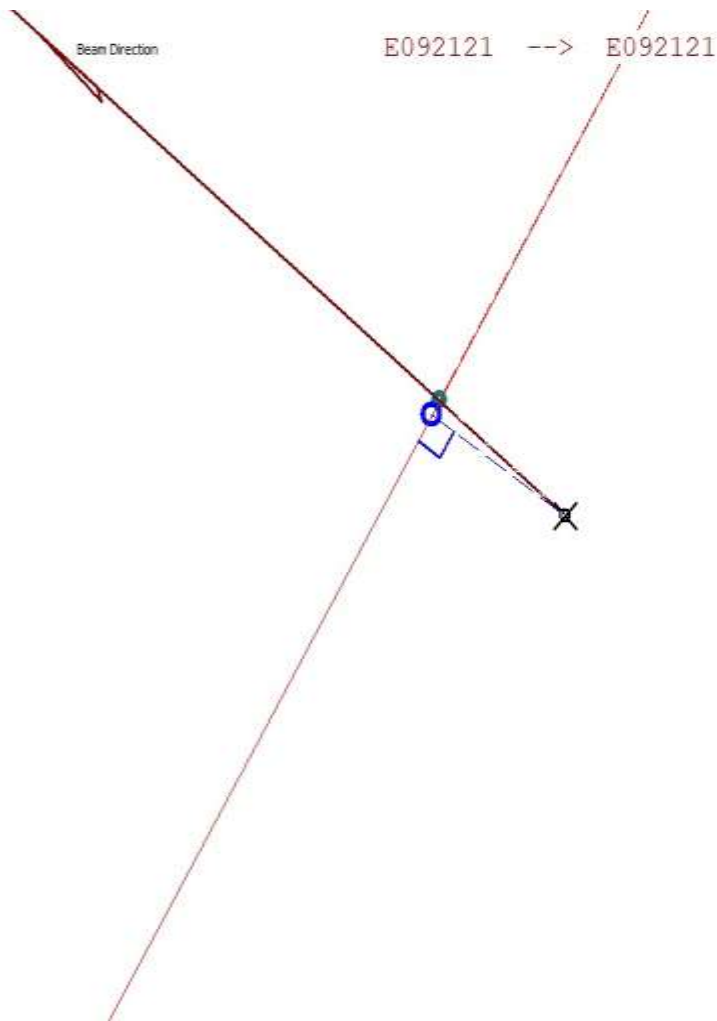
If the offset is corrected by secondary alignment, the spectrometer will be at -94.995 degrees

To achieve this optimal setting make the following adjustments
spectrometer will be at -94.995 degrees

Horizontal corrections:

Move rear jacks along tangent 0.28 mm Upstream

9 Par A posteriori value: 0.19 (mm)



9Par StdDev : 0.1860