

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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DATE: May 8, 2002

FROM: Chris Curtis

Checked: # : A765

DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Hadron (right) and Electron (left) arms on May 6th and 7th, 2002.

===== RESULTS ===== H050602A

The central ray of the spectrometer is at 60.070 degrees.
It is missing the defined target center by 0.63 mm upstream,
and 1.54 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 60.074 degrees.

*.9PR : 0.109 *.3DD : 1.32

===== RESULTS ===== H050702A

The central ray of the spectrometer is at 65.684 degrees.
It is missing the defined target center by 3.43 mm downstream,
and 1.80 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 65.660 degrees.

*.9PR : 0.115 *.3DD : 1.64

===== RESULTS ===== E050702A

The central ray of the spectrometer is at 143.753 degrees.
It is missing the defined target center by 1.23 mm upstream,
and 0.43 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at -36.256 degrees.

*.9PR : 0.116 *.3DD : 0.92