

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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DATE: 7 March, 2001

FROM: C.J. Curtis

Checked:

: A658

DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Electron and Hadron arms on February 27 and on March 5th.

===== RESULTS ===== E022701A

The central ray of the spectrometer is at -16.826 degrees.
It is missing the defined target center by 1.70 mm upstream,
and .59 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -16.838 degrees.

*.3dd = 1.10 *.9pr = 0.11

===== RESULTS ===== H022701A

The central ray of the spectrometer is at 51.036 degrees.
It is missing the defined target center by .45 mm upstream,
and .80 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 51.039 degrees.

*.3dd = 2.14 *.9pr = 0.12

===== RESULTS ===== E030501A

The central ray of the spectrometer is at -37.445 degrees.
It is missing the defined target center by 1.38 mm upstream,
and .02 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -37.454 degrees.

*.3dd = 1.52 *.9pr = 0.11

===== RESULTS ===== H030501A

The central ray of the spectrometer is at 49.983 degrees.
It is missing the defined target center by .00 mm downstream,
and .98 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 49.983 degrees.

*.3dd = 2.38 *.9pr = 0.13