



Jefferson Lab Alignment Group

Data Transmittal

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DATE: 1st Oct, 2002

FROM: C. J. Curtis

Checked:

: A815

DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the electron (left) and hadron (right) arms between September 12th and October 1st, 2002.

Electron:

===== RESULTS ===== E091202A

The central ray of the spectrometer is at -29.996 degrees.
It is missing the defined target center by 3.20 mm upstream,
and -0.60 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -30.017 degrees.

*.9PR : 0.124 *.3DD : 1.56

===== RESULTS ===== E091902A

The central ray of the spectrometer is at -13.995 degrees.
It is missing the defined target center by 1.29 mm upstream,
and -0.24 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -14.004 degrees.

*.9PR : 0.097 *.3DD : 1.00

===== RESULTS ===== E093002A

The central ray of the spectrometer is at -27.472 degrees.
It is missing the defined target center by 1.93 mm upstream,
and 0.08 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -27.485 degrees.

*.9PR : 0.127 *.3DD : 1.41

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Hadron:

===== RESULTS ===== H091602A

The central ray of the spectrometer is at 29.116 degrees.
It is missing the defined target center by 0.66 mm upstream,
and 0.28 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 29.121 degrees.

*.9PR : 0.103 *.3DD : 1.41

===== RESULTS ===== H091802A

The central ray of the spectrometer is at 55.411 degrees.
It is missing the defined target center by 0.77 mm upstream,
and 1.35 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 55.416 degrees.

*.9PR : 0.100 *.3DD : 2.12

===== RESULTS ===== H091802B

The central ray of the spectrometer is at 17.225 degrees.
It is missing the defined target center by 3.12 mm downstream,
and 0.11 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 17.204 degrees.

*.9PR : 0.112 *.3DD : 1.94

===== RESULTS ===== H100102A

The central ray of the spectrometer is at 26.722 degrees.
It is missing the defined target center by 0.76 mm downstream,
and 0.28 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 26.717 degrees.

*.9PR : 0.117 *.3DD : 1.58