Jefferson Lab Alignment Group

Data Transmittal

TO: R. Gilman, J. Gomez, J. LeRose		**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

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