

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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FROM: Richard G. Schwartz

Checked:

: A688

DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Hadron and Electron arms from August 1st and 2nd, 2001.

===== RESULTS ===== E080101A

The central ray of the spectrometer is at -44.969 degrees.
It is missing the defined target center by 3.35 mm upstream,
and -0.64 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -44.992 degrees.

*.3dd = 1.40 *.9pr = 0.12

===== RESULTS ===== H080101A

The central ray of the spectrometer is at 45.003 degrees.
It is missing the defined target center by 0.17 mm upstream,
and 1.06 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 45.004 degrees.

*.3dd = 3.08 *.9pr = 0.12

===== RESULTS ===== E080201A

The central ray of the spectrometer is at -18.592 degrees.
It is missing the defined target center by 1.66 mm upstream,
and 0.26 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -18.603 degrees.

*.3dd = 1.12 *.9pr = 0.10

===== RESULTS ===== H080201A

The central ray of the spectrometer is at 18.620 degrees.
It is missing the defined target center by 3.14 mm downstream,
and 0.19 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 18.598 degrees.

*.3dd = 1.64 *.9pr = 0.13

