

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: J. Arrington, M. Jones, J. Gomez, N. Liyanage, J. LeRose DATE: May 29, 2002

FROM: Chris Curtis Checked: # : A776

DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Electron (left) and the Hadron (right) arm on May 28-29th, 2002.

===== RESULTS ===== E052802A

The central ray of the spectrometer is at -23.652 degrees.
It is missing the defined target center by 1.25 mm upstream,
and 0.77 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -23.661 degrees.

*.9PR : 0.106 *.3DD : 0.96

===== RESULTS ===== H052802A

The central ray of the spectrometer is at 63.871 degrees.
It is missing the defined target center by 0.62 mm downstream,
and 1.80 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 63.867 degrees.

*.9PR : 0.134 *.3DD : 1.79

===== RESULTS ===== H052802B

The central ray of the spectrometer is at 19.670 degrees.
It is missing the defined target center by 3.33 mm downstream,
and 0.45 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 19.647 degrees.

*.9PR : 0.134 *.3DD : 1.62

===== RESULTS ===== E052902A

The central ray of the spectrometer is at -19.612 degrees.
It is missing the defined target center by 1.92 mm upstream,
and 0.55 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -19.625 degrees.

*.9PR : 0.125 *.3DD : 1.02