

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Javier Gomez, Arun Saha, John LeRose

DATE: 10 July, 2000

FROM: Kelly Tremblay

Checked: # A613

DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Electron and Hadron arm on July 5th/ 6th, 2000.

===== RESULTS ===== H070500b

The central ray of the spectrometer is at 47.101 degrees.
It is missing the defined target center by .34 mm upstream,
and .58 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 47.103 degrees.

*.3dd = 1.42 *.9pr = 0.14

===== RESULTS ===== H070500c

The central ray of the spectrometer is at 16.010 degrees.
It is missing the defined target center by 1.15 mm downstream,
and -.29 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 16.002 degrees.

*.3dd = 1.25 *.9pr = 0.15

===== RESULTS ===== E070600b

The central ray of the spectrometer is at -18.085 degrees.
It is missing the defined target center by 1.91 mm upstream,
and .06 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -18.098 degrees..

*.3dd = 1.07 *.9pr = 0.12