

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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DATE: 30 April 2001

FROM: C.J. Curtis

Checked:

: A669

DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Electron and Hadron arms on April 26th.

===== RESULTS ===== H042601A

The central ray of the spectrometer is at 15.021 degrees.
It is missing the defined target center by 2.50 mm downstream,
and -.13 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 15.004 degrees.

*.3dd = 1.78 *.9pr = 0.13

===== RESULTS ===== E042601A

The central ray of the spectrometer is at -14.989 degrees.
It is missing the defined target center by 1.53 mm upstream,
and -.13 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -15.000 degrees.

*.3dd = 1.36 *.9pr = 0.11

Superharps	DX	DY	locations in mm (+ is beam left)
SH1H01A	0.04	0.12	
SH1H01B	0.09	0.08	
SH1H01C	0.10	0.08	
SH1H02A	-0.05	0.16	
SH1H02B	0.03	0.18	
SH1H02C	0.02	0.23	