

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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Checked:

: A636

DETAILS:

Below are the results from the spectrometer pointing and superharp surveys carried out on the Electron arm on October 17, and the Hadron arm on October 16.

===== RESULTS ===== E101700A

The central ray of the spectrometer is at -20.865 degrees.
It is missing the defined target center by 1.32 mm upstream,
and .68 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at -20.874 degrees.

*.3dd = 1.03

*.9pr = 0.11

===== RESULTS ===== H101600A

The central ray of the spectrometer is at 68.303 degrees.
It is missing the defined target center by .05 mm downstream,
and 1.52 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 68.303 degrees.

*.3dd = 1.50

*.9pr = 0.11

Superharps	DX	DY	locations in mm (+ is beam left)
SH1H01A	-0.11	-0.07	
SH1H01B	-0.06	-0.08	
SH1H01C	-0.05	-0.09	
SH1H02A	-0.50	0.19	
SH1H02B	-0.43	0.22	
SH1H02C	-0.43	0.28	