

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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Checked:

: A701

DETAILS:

Below are the results from the spectrometer pointing and superharp surveys carried out on the Hadron and Electron arms on September 17th and 18th, 2001.

===== RESULTS ===== E091701A

The central ray of the spectrometer is at -18.585 degrees.
It is missing the defined target center by 2.62 mm upstream,
and 0.21 mm vertically (positive = up).

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

*.9PR : 0.093 *.3DD : 1.14

===== RESULTS ===== H091801A

The central ray of the spectrometer is at 18.606 degrees.
It is missing the defined target center by 0.71 mm downstream,
and -0.25 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 18.601 degrees.

*.9pr : 0.127 *.3DD : 1.92

Superharps	DX	DY	locations in mm (+ is beam left)
SH1H01A	0.08	-0.18	
SH1H01B	-0.05	-0.14	
SH1H01C	-0.07	-0.15	
SH1H02A	0.10	-0.08	
SH1H02B	0.04	-0.12	
SH1H02C	0.07	-0.18	