



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: A913

DETAILS:

Below are the results from the electron (left) and hadron (right) spectrometer survey carried out on December 3rd and 4th, 2003. Also included are the results from the superharp survey carried out on the 3rd. The values represent the difference in millimeters from the ideal position of each fiducial. A positive X value is to the beam left, a positive Y is too high.

===== RESULTS ===== E120303A

The central ray of the spectrometer is at -12.492 degrees.
It is missing the defined target center by 1.84 mm upstream,
and -0.60 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at -12.504 degrees.

*.9PR : 0.106 *.3DD : 1.06

===== RESULTS ===== H120403A

The central ray of the spectrometer is at 12.512 degrees.
It is missing the defined target center by 0.93 mm downstream,
and -0.50 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 12.506 degrees.

*9PR : 0.132 *.3DD : 1.47

Superharps

	DX	DY	locations in mm (+ is beam left)
SH1H01A	-0.01	-0.18	
SH1H01B	0.05	-0.18	
SH1H01C	0.06	-0.15	
SH1H02A	-0.31	-0.07	
SH1H02B	-0.24	-0.11	
SH1H02C	-0.25	-0.12	