



Jefferson Lab Alignment Group

Data Transmittal

TO: John Le Rose	DATE: : 16 Jun, 2005
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DETAILS:

Below are the results from the right and left spectrometers, superharp and BCM surveys carried out on 24th and 25th May, 2005. 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 ===== H052405A

The central ray of the spectrometer is at 12.521 degrees.
 It is missing the defined target center by 2.03 mm downstream,
 and 1.08 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 12.507 degrees.

*.9PR : 0.133 *.3DD : 1.675

===== RESULTS ===== E052605A

The central ray of the spectrometer is at -12.496 degrees.
 It is missing the defined target center by 1.82 mm upstream,
 and -0.42 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at -12.508 degrees.

*.9PR Val : 0.125 *.3DD : 1.85

Superharps

	DX	DY
SH1H01A	-0.05	-0.19
SH1H01B	0.05	-0.27
SH1H01C	0.07	-0.25
SH1H02A	-1.22	-0.27
SH1H02B	-1.16	-0.29
SH1H02C	-1.19	-0.24

Cavity BPMs

BCM1H1B	-0.07	-0.58
BCM1H1C	-0.06	-0.26
BCM1H2A	-1.12	-0.31
BCM1H2D	-0.62	-0.31