Jefferson Lab Alignment Group

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Data Transmittal

TO: D.Higinbotham,J. Butler	DATE:		03/07/2017	
FROM: Steve Hardisty	Checked: [kjt]		#: A1779	

DETAILS:

Below are the results from the surveys of the left and right spectrometers on March 7, 2017. The horizontal pointing value shows how much the central axis of the spectrometer misses the ideal target. This value is perpendicular to the spectrometer axis, not along the beam line. For the vertical pointing, a positive value indicates that the spectrometer is pointing above the target.

A graphical sketch is shown after each of the four results.

The central ray of the spectrometer is at -20.004 degrees The central ray is missing the defined target center by -1.89 [mm] Downstream and -0.58 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at -20.016 degrees

To achieve this optimal setting make the following adjustments: spectrometer will be at -20.016 degrees Horizontal corrections: Move rear jacks along tangent -1.92 mm Downstream

9 Par Aposter Val : 0.14 (mm) No 3DD output file available to report std. dev







