Jefferson Lab Alignment Group Data Transmittal

-Jefferson Lab —

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ETAILS:	data: aalign\shms\s20170803		
Below are the results from the survey of SHMS spectrometer August 3 rd , 2017. The SHMS fiducial points were observed from the beam right side only.			
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.			
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The central ray of the spectrometer is at -18.018 degree FOR SHMS REPORTING angle is : 15.0179 deg The central ray is missing the defined target center by and 1.16 mm vertically [positive value is up]	grees	am	
Bender RotZ (roll) = 0.00383 degrees Bender RotX (pitch) = 0.03154 degrees Bender RotY (yaw) = 125.89296 degrees Bender Rotation wrt Hall C Zero Azimuth = 16.59136 de Bender Calc A posteriori value= 0.050 millimenters	egrees		
9 Par A posteriori value : 0.64 (mm)			
Sketch for the data is shown on the next page.			

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