



Jefferson Lab Alignment Group

Data Transmittal

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Details:

Below are the results from the HMS and SOS spectrometer pointing surveys carried out during the July shutdown. The table shows the angle of the central ray of the spectrometer (in degrees); the horizontal mis-pointing perpendicular to the spectrometer center-line (d=downstream in mm); the vertical mis-pointing (mm); and the corrected pointing angle if the spectrometer were moved to point exactly at the target. The last two columns refer to statistical metrics for the survey transformation (std. dev. of fit (9par)) and the adjustment (reference std. dev. (3DD)).

HMS	Central Ray	H Misptg	V Misptg	Corrected Ptg	9par	3DD
M070303A	30.004	1.03 d	-0.41	30.001	0.495	2.11
M070303B	37.984	1.34 d	-0.39	37.980	0.510	1.60
SOS						
S070303A	-69.913	0.53 d	-0.65	-69.911	0.417	2.28