



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

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DETAILS:

Below are the results from the survey carried out on the Line C moller polarimeter collimator. The coordinate system is established using the upstream flange and the center of the 80 millimeter long collimator #5 for the Z axis. The inside edge of collimators #6, and #7 controlled the rotation about the Z axis. A +Z is downstream, a +X is to the beam left, and a +Y is up. All measurements to collimators #6 and #7 are to the downstream face.

LOCATION	Z	X	Y	
Upstream flange center	-450.09	0.00	0.00	
Upstream center coll 5	-40.01	0.14	0.08	
Downstream center coll 5	40.01	-0.14	-0.08	
Top inside corner coll 6	127.90	-0.45	5.99	
Bot inside corner coll 6	127.91	-0.45	-9.01	
Top outside corner coll 6	127.91	7.04	5.99	
Bot outside corner coll 6	127.92	7.01	-9.04	
Coll 6 large aperture.	127.82	44.12	-1.56	(99.60mm x 40.13mm)
Top inside corner coll 7	126.93	-3.09	7.37	
Bot inside corner coll 7	127.27	-3.08	-7.70	
Top outside corner coll 7	126.93	-10.56	7.36	
Bot outside corner coll 7	127.27	-10.61	-7.63	
Coll 7 large aperture.	127.12	-47.54	-0.08	(99.82mm x 39.99mm)