



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: B960

DETAILS:

Below are the results from the recent Hall B start counter fiducialization. The coordinate system was defined from a central axis running through the upstream face of the aluminum flange and a point downstream 665 millimeters constructed from the intersection of the six sides. Roll was set using an average of all six sides. A +X is to the beam right and a +Y is above. As requested, the location of the downstream aperture and two other centerline points defined from the six sides are reported as well as the angle between each side.

LOCATION	Z	X	Y
Upstream flange	0.00	0.00	0.00
Detector upst	240.00	-0.38	-0.47
Detector middle	450.00	0.03	-0.47
Detector dnst	665.00	0.00	0.00
Detector dnst aperture	792.86	-0.01	0.35

LOCATION	INTERIOR ANGLE
Top beam left - top beam right.	120.718°
Top beam left – beam left.	119.840°
Beam left – bottom beam left.	119.780°
Bottom beam left – bottom beam right.	120.266°
Bottom beam right – beam right.	119.487°
Beam right – top beam right.	119.908°