



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: C1018

DETAILS:

Below are the results from the survey performed on the Hall C mini ferris wheel shim packs for the octant installation. A right handed coordinate system was established relative to the original ferris wheel octant centerline and rotated 180 degrees about the vertical axis for the GO back angle experiment. A +Z is downstream, a +X is to the beam left, and a + Y is up. As you look at the FW from the downstream side, labeling is clockwise with support rib #1 at 1 o'clock and #8 at 11 o'clock. The center hole on the alignment jig was also measured.

LOCATION	Z	X	Y
CENTERHOLE	764.73	0.60	0.75
1INSIDE	741.53	758.66	1852.20
1OUTSIDE	747.52	961.58	2351.25
2INSIDE	741.29	1844.25	768.99
2OUTSIDE	747.78	2344.06	975.85
3INSIDE	741.38	1849.03	-761.42
3OUTSIDE	747.84	2348.81	-970.47
4INSIDE	741.54	764.79	-1845.50
4OUTSIDE	747.80	972.36	-2343.76
5INSIDE	741.50	-765.32	-1854.23
5OUTSIDE	747.94	-968.01	-2351.62
6INSIDE	741.61	-1842.15	-768.84
6OUTSIDE	747.86	-2342.15	-974.04
7INSIDE	741.64	-1845.39	764.86
7OUTSIDE	747.93	-2346.66	962.49
8INSIDE	741.52	-770.09	1845.88
8OUTSIDE	747.82	-974.59	2344.33