



Jefferson Lab Alignment Group

Data Transmittal

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FROM: J. Dahlberg

Checked: JMW

: D1791

DETAILS:

Below are the results from the recent Hall D post run survey of the upstream collimator #1. Values are offsets from ideal beam center in millimeters. A +X is to the beam left, a +Y is above, and a +Z is downstream. A single measurement on the 3.4mm hole is also included.

LOCATION	X	Y	Z	PITCH	YAW	ROLL
Pt0	0.02	0.00	-0.14	359.950	0.160	0.068
Pt1	-0.28	3.78	-0.15	359.937	0.160	0.071
Pt2	-0.24	2.82	-0.12	359.953	0.160	0.073
Pt3	-0.24	1.81	-0.14	359.947	0.160	0.066
Pt4	-0.26	0.81	-0.16	359.949	0.163	0.069
Pt5	-0.23	-0.20	-0.14	359.953	0.163	0.067
Pt6	-0.26	-1.19	-0.14	359.948	0.162	0.075
Pt7	-0.24	-2.20	-0.15	359.947	0.163	0.071
Pt8	-0.26	-3.22	-0.16	359.935	0.164	0.072
Pt9	0.73	3.77	-0.17	359.933	0.162	0.071
Pt10	0.74	2.80	-0.13	359.944	0.160	0.069
Pt11	0.75	1.82	-0.14	359.950	0.165	0.068
Pt12	0.76	0.82	-0.15	359.942	0.164	0.062
Pt13	0.74	-0.20	-0.14	359.953	0.165	0.071
Pt14	0.74	-1.19	-0.14	359.949	0.163	0.074
Pt15	0.74	-2.20	-0.15	359.952	0.163	0.073
Pt16	0.72	-3.21	-0.16	359.939	0.162	0.078
Pt17	1.71	3.77	-0.17	359.934	0.162	0.068
Pt18	1.73	2.84	-0.14	359.951	0.164	0.073
Pt19	1.74	1.83	-0.14	359.954	0.163	0.069
Pt20	1.75	0.83	-0.15	359.947	0.161	0.064
Pt21	1.76	-0.20	-0.13	359.949	0.160	0.069
Pt22	1.72	-1.20	-0.13	359.946	0.163	0.075
Pt23	1.72	-2.19	-0.14	359.951	0.166	0.076
Pt24	1.73	-3.18	-0.15	359.942	0.164	0.077
Pt25	0.74	3.75	-0.13	359.933	0.158	0.065
Pt26	0.73	2.83	-0.11	359.954	0.161	0.073
Pt27	0.75	1.83	-0.13	359.943	0.161	0.061
Pt28	0.75	0.81	-0.13	359.947	0.163	0.066
Pt29	0.75	-0.20	-0.13	359.950	0.166	0.066
Pt30	0.68	-1.58	-0.26	359.781	0.175	0.089
Pt31	0.76	-2.22	-0.15	359.937	0.165	0.071
Pt32	0.74	-3.23	-0.16	359.941	0.163	0.075

3.4 COLL

X: -0.05 mm (encoder -13.55979)

Y: -0.05 mm (encoder 5.1)