



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: A1328

DETAILS:

Data: Step2b\HallA\DVCS\100916a

Below are the results from the Hall A DVCS (2010) target survey. A +X is to the beam left from ideal, a+ Z is downstream, and a + Y is up. Values are in millimeters. Locations marked in parenthesis indicate which coordinate would apply.

LOCATION	Z	X	Y
Cell block pitch check (Z)	-192.51	39.48	54.09
Cell block pitch check (Z)	-192.72	39.21	-86.05
Cell block roll check (X)	-168.14	63.05	-85.72
Cell block roll check (X)	-162.40	63.04	104.57
Cell block yaw check (X)	-162.82	63.01	0.47
Cell block yaw check (X)	-108.22	63.05	-1.79
Loop 1 top upst cl	-180.10	-0.13	0.06
Loop 1 top dnst cl		-0.43	-0.40
Loop 1 bot upst cl	-180.02	0.18	-0.03
Loop 1 bot dnst cl		-0.36	-0.22
Loop 2 top upst cl	-180.40	0.16	-0.03
Loop 2 top dnst cl		-0.40	-0.10
Loop 2 bot upst cl	-179.96	0.36	-0.02
Loop 2 bot dnst cl		-0.22	0.02
Optics tgt top upst (Z)	-298.39	8.46	13.96
Optics tgt yaw check (X)	-266.68	64.48	9.51
Optics tgt yaw check (X)	128.02	64.37	10.49
Optics tgt pitch check (Y)	-290.56	9.16	38.34
Optics tgt pitch check (Y)	135.04	8.89	36.80
Dummy tgt upst (Z)	-298.29	1.66	-10.43
Dummy tgt pitch check (Y)	-290.34	5.00	-37.45
Dummy tgt pitch check (Y)	139.36	37.90	-39.35
Dummy tgt yaw check (X)	135.41	64.83	-15.71
Dummy tgt yaw check (X)	-274.70	64.51	-16.79
Carbon hole cl (XY)	-40.22	0.11	-0.59
Solid tgt ladder top left (X)	-14.93	25.80	25.67
Solid tgt ladder top right(X)	-15.02	-20.34	25.83
Solid tgt ladder bot right(X)	-14.62	-20.55	-89.19
Solid tgt ladder bot left (X)	-14.46	28.83	-87.78
Loop 1 upst cl check	-180.10	-0.13	0.01