



Jefferson Lab Alignment Group

Data Transmittal

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Checked: SEH

: A2060

DETAILS:

M:\align\DATA\Step2B\HALLA\GEn_22\230104A
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The 3rd January 2023 survey results for the Big Bite magnet @35deg. (MBB35), Big Bite detector @35deg. (DBB35), SBS @18 deg. (SBS18), HCAL detector @17.5deg. (HCAL17_5), and the two correctors (G22BL201, G22BL202) are presented. In a beam coordinate system, a positive X is to the left, a positive Y is above, and a positive Z is downstream of the ideal position.

	Beam Following (mm)			Rotations from Ideal (Degrees)		
	dx[mm]	dy [mm]	dz[mm]	RX(pitch)	RY(yaw)	RZ(roll)
G22BL201	1.736	-0.780	6.205	0.1570	0.5720	-0.1753
G22BL202	-0.637	1.763	5.871	0.2919	0.2719	-0.0897
Big Bite @35 deg.						
MBB35	-1.064	-1.396	-1.675	-0.0095	-0.0121	0.0037
DBB35	14.116	8.870	86.717	0.2783	-0.3900	-0.2023
SBS @18 deg. & HCAL @17.5 deg.						
SBS18	4.339	4.428	-0.646	-0.0347	0.0702	-0.0438
HCAL17_5	-0.589	-0.818	1.016	0.1982	0.0491	0.0109

