



Jefferson Lab Alignment Group

Data Transmittal

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Checked: CG

: A2089

DETAILS:

M:\align\DATA\Step2B\HALLA\Gen_23\231102A
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Survey results for the Big Bite magnet @32deg. (MBB32), Big Bite detector @32deg. (DBB32), SBS @32 deg. (SBS32), HCAL detector @32deg. (HCAL32), 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. A + yaw angle is counterclockwise looking from above, a + pitch is counterclockwise from the beam right, and a + roll is clockwise looking from upstream.

	Beam Following (mm)			Rotations from Ideal (Degrees)		
	dx[mm]	dy [mm]	dz[mm]	RX(pitch)	RY(yaw)	RZ(roll)
G22BL201	0.59	-0.51	4.10	0.0633	0.4464	-0.1516
G22BL202	-1.80	1.75	3.32	0.2521	0.3311	-0.0309
Big Bite @32 deg.						
MBB32_	-1.86	-1.06	-3.28	0.0077	-0.0250	0.0089
DBB32_	10.46	9.93	84.96	0.2914	-0.4249	-0.1544
SBS @32 deg. & HCAL @32 deg.						
SBS32_	0.68	2.85	-1.41	-0.0163	0.0694	-0.0562
HCAL32_	13.13	3.96	2.89	0.0135	0.0485	0.0519

