



Jefferson Lab Alignment Group

Data Transmittal

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DATE: 11/16/2021

FROM: Chris Gould

Checked: SEH

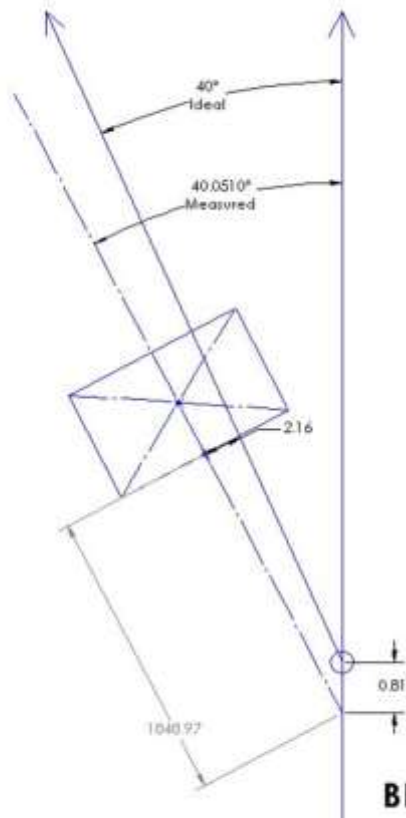
: A2019

DETAILS:

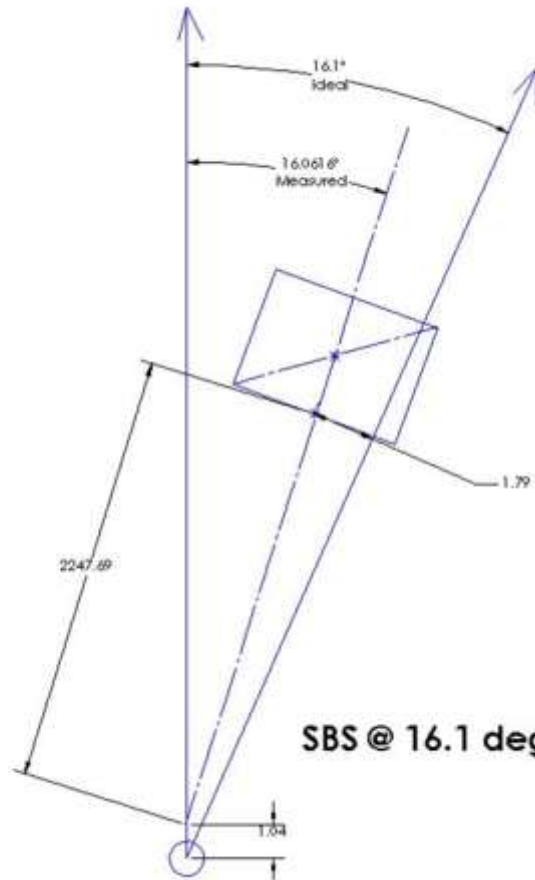
Step2B\HALLA\SBS\211110A, Step2B\HALLA\SBS\211111A, Step2B\HALLA\SBS\211111B
Step2B\HALLA\SBS\211111C

Below are the survey results of the Big Bite magnet positioned at 40 degrees and the SBS magnet and HCal detector positioned at 16.1 degrees. In a beam following coordinate system a + X is to the beam left, a + Y is above and a + Z is downstream of the ideal position.

	Ideal Dist From Tgt (Meters)	Beam Following (mm)			Rotations From Ideal(Degrees)			
		X	Y	Z	RX(pitch)	RY(yaw)	RZ(roll)	
Correctors								
SBSCM01	2.105	2.09	-3.09	12.86	-0.4254	0.5354	-0.0513	
SBSCM02	3.999	0.05	0.39	5.73	-0.2481	0.6537	0.0510	
Big Bite @ 40 Deg.								
BigBite Mag	1.850	2.16	-2.20	-1.04	-0.0160	0.0505	-0.0269	
BigBite Det	5.139	25.09	8.76	88.94	-0.2483	-0.3309	-0.2839	
Super Big Bite								
SBS Mag @16 Deg	2.250	1.79	3.16	-2.31	0.00659	0.03891	-0.0467	
HCal @ 16 Deg	14.000	4.15	-2.30	0.62	-0.1378	0.01227	0.03409	



BB @ 40 deg.



SBS @ 16.1 deg.

