



Jefferson Lab Alignment Group

Data Transmittal

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Checked: (cwg)

: A1736

DETAILS:

data: step2b\halla\target\2016\16107a

The results from the survey of the Hall A target on October 7th, 2016 are below. Values for the targets are relative to ideal Hall A pivot center looking downstream (beam following). A positive X is to the beam left, a positive Y above, and a positive Z downstream of the pivot. A positive yaw angle is counter clockwise looking from above, and a positive pitch is counter clockwise looking from the beam right. Units are millimeters and degrees

Hall A Target Survey					
Loop Targets					
Name	X	Y	Z	Yaw	Pitch
LOOP1_DS1	-0.58	0.19	-102.83		
LOOP1_US1	-0.19	0.05	-220.15	-0.1900	0.0718
LOOP2_DS1	-0.30	0.18	-102.63		
LOOP2_US1	0.04	0.00	-219.84	-0.0652	0.0880
LOOP3_DS1	0.35	0.01	-102.46		
LOOP3_US1	0.60	0.02	-219.68	-0.1261	-0.0073
Wire Target					
A_TOP	0.40	52.75	0.74		
B_BL	54.50	1.95	2.43		
C_BOT	3.84	-52.20	1.35		
DS-BL-BOT	47.80	-42.71	8.53		
DS-BL-TOP	44.87	46.20	8.35		
US-BL-BOT	47.98	-42.73	2.28		
US-BL-TOP	45.23	46.20	-4.17		
Additional Points					
Carbon hole	0.11	0.09	-8.72		

DS downstream

US upstream

BL beam left

BR beam right

Bot bottom