



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

C909

Details:

Below are the results of the survey performed on the Line C diagnostic girders and G0 equipment prior to the November 2003 run. The values are relative to ideal location (in mm), with +X to the beam left, +Y above, and +Z downstream. The super harp positions are only valid when the corresponding encoder value is set for the vertical wire (X), and the horizontal wire (Y). Note that three harps have encoder values for a second vertical wire. The G0 target location is based on a Z distance of 260.2 mm (drawing #67228), between the center of the cell and the upstream flange, which was measured during calibration on the floor. The halo monitor vertical positions are only valid when the corresponding ohm reading is set for the two apertures.

COMPONENT	X	Y	Z
IPM3C20AH	0.06	0.02	
IPM3C20AV	0.06	-0.01	
IBC3C20	-0.54	0.39	
IPM3C20A	-0.63	-0.36	
IPM3H00	-0.35	-0.07	
IPM3H00A	0.08	0.30	
IHA3H00	0.02 (653A)	0.08 (A70B)	
IPM3H00AA	-0.11	-0.19	
IPM3H00B	0.14	-0.07	
IHA3H00A	0.09 (6B38, E100)	-0.02 (9DF4)	
IPM3H00C	0.01	-0.16	
IHM3HG0	-0.05	-0.02 (6.03Ø: 5.831Ω, 10.88Ø: 4.206Ω)	
IPM3HG0Z	-0.51	0.41	
IBC3HG0Z	-0.24	-0.17	
IPM3HG0	-0.19	0.62	
IHA3HG0	0.01 (6240, DB8D)	0.06 (9E3B)	
IPM3HG0AH	0.02	0.00	
IPM3HG0AV	-0.02	-0.02	
IBC3HG0	0.08	-0.26	
IHA3HG0A	-0.02 (777B, ED0A)	-0.07 (A890)	
IPM3HG0B	0.10	-0.62	
TARGET	3.61	-7.08	0.44 (warm)
SMS	0.92	0.00	-1.06
FERRIS WHEEL	0.42	-0.14	-0.59