



Jefferson Lab Alignment Group

Data Transmittal

TO: Joe Grames

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Checked:

DT_L841

DETAILS:

Below are the results of the recent survey performed on the PCGUN located in the test cave. A positive X is to the beam left and a positive Y is high. Y=0 is defined from the MDSHG04 (magnet) upstream flange. The values are in millimeters.

Note: The X values for the following are based on a line 15 degrees from the line used to set the three downstream girders where X=0 is the downstream beam right flange of ITVHG05.

COMPONENT	X	Y
Gun upstream flange	-0.20	-0.24
Gun downstream flange	+0.02	+0.03
Gun beam left flange		-0.15
Gun beam right flange		-0.34
MFHHG02 center	-0.32	-0.32
ITVHG03 valve upstream flange	+2.98	+1.57
ITVHG05 downstream beam right flange	0.00	

Note: X=0 for the following components was defined as the downstream center pipe of ITVHG05.

COMPONENT	X	Y
MDSHG04 upstream flange	-0.91	0.00
MDSHG04 centerline	-0.33	
ITVHG05 downstream center pipe	0.00	-0.06
IPMHG05 upstream flange	-0.43	-0.21
IPMHG05 downstream flange	-0.15	+0.24
MFBHG06 upstream flange	-0.17	-0.49
MFBHG06 downstream flange	-0.03	-0.15
IPMHG08 upstream flange	+0.10	+0.64
IPMHG08 downstream flange	+0.25	+0.21
MFQHG08 downstream flange	+0.07	-0.33
DIFF Pump upstream flange	-0.10	+0.08
DIFF Pump downstream flange	+0.42	
IFYHG11 (dump) upstream flange	+0.06	-0.68