



Jefferson Lab Alignment Group

Data Transmittal

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DETAILS:

Step2B\INJ\GTS\200114A

Below are the survey results of the GTS injector gun carried out on January 14th, 2020. The Z origin is relative to the DS_INJ flange, a positive X is to the beam left from ideal, a positive Y is above ideal. The naming convention is shown in the attached photograph. Values are in millimeters. Pitch and yaw are in degrees.

Flanges	X[mm]	Y[mm]	Z[mm]
US_SHROUD	0.98	0.61	-367.38
DS_SHROUD	0.11	0.48	-203.33
US_INJ	-0.23	0.97	-100.01
DS_INJ	-0.54	0.79	0.00
US_LDRD_SOL	0.79	2.03	104.24
DS_LDRD_SOL	-0.33	1.67	265.80
US_SOL1	-0.55	0.44	397.11
DS_SOL1	-0.50	0.69	547.15

Cathode Flanges	PITCH	YAW
US to DS_INJ	0.1037	-0.1748

