



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

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DETAILS:

M:\align\DATA\Step2B\INJ\GTS\1900724A

Below are the results from the recent survey of the GTS new injector gun carried out in the LERF test cave on July 23 2019. A +X is to the beam left from ideal, a +Y is above, and a +Z is downstream from the ideal gun center. The Z positions are shown on the attached photograph. Values are in millimeters. Pitch and yaw are in degrees.

Flanges	X	Y	Z
US_INJ	0.45	0.47	-36.37
DS_INJ	-0.45	0.35	108.78
DS_SMFLNG	-0.35	-0.96	383.66
US_LDRD SOL	-0.41	1.61	177.59
US_SOL1	-0.50	0.05	483.16
DS_SOL1	-0.67	0.42	633.67
US_SOL2	-1.09	-1.00	1023.73
DS_SOL2	-1.08	-0.58	1173.73

Cathode Flanges	PITCH	YAW
US to DS_INJ	0.047	-0.357

