



Jefferson Lab Alignment Group

Data Transmittal

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: L1117

DETAILS:

data: step2b\inj\070713A

Below are the coordinates for the existing Gun 2 and Gun 3 Injector gun flanges. The coordinates are based on the as-found center location at the indicated face as shown in the accompanying sketch. The intersection point is the point where a fitted line of the center of flanges 4 and 6 from Gun 2 intersect with a line created from the centers of flanges on the main linac line indicated by NL_Flg1 and NL_Flg2. The coordinates are based on the CEBAF machine coordinate system.

Flange	Z (m)	X (m)	Y (m)	Flange	Z (m)	X (m)	Y (m)
Gun2 Flange1	-263.1334	81.0940	100.0012	Gun3 Flange1	-263.1510	80.1006	100.0003
Gun2 Flange2	-262.9251	81.0387	100.0001	Gun3 Flange2	-262.9422	80.1575	100.0004
Gun2 Flange3	-262.6502	80.9649	99.9999	Gun3 Flange3	-262.6678	80.2318	99.9990
Gun2 Flange4	-261.7063	80.7121	99.9982	Gun3 Flange4	-261.7068	80.4900	99.9985
Gun2 Flange5	-261.6088	80.6865	99.9988	Gun3 Flange5	-261.6049	80.5179	99.9979
Intersect	-261.2905	80.6006	99.9988				
Gun2 Flange6	-261.0568	80.5379	99.9992	Gun3 Flange6	-261.0395	80.6674	99.9985
NL_Flg1	-261.3818	80.6006	99.9988				
NL_Flg2	-260.9974	80.5995	99.9987				

