



Jefferson Lab Alignment Group

Data Transmittal

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DATE: 21 Feb 2014

FROM: Chris Gould

Checked: JD

: L1551

DETAILS:

Step2a\INJ\140214A, FID\NWCR\140217A, 2B\NWCR\140218

Below are the results of the 4D injector line survey. Coordinates are given in both beam following and CEBAF machine coordinates. In the beam following system a positive X is to the beam left, a positive Y is up and positive Z is downstream relative to MBF0L06.

NAME	BEAM FOLLOWING				MECHANICAL		
	X(mm)	Y(mm)	Z(mm)		X(M)	Y(M)	Z(M)
ITV4D00	-0.82	0.03	5353		78.332055	100.00020	-209.58898
IPM4D00_US	-0.56	0.92	5480		78.28585	100.00111	-209.48927
IPM4D00_DS	-0.48	0.35	5708		78.18811	100.00054	-209.27949
IHA4D00_US	-0.02	-0.08	5751		78.17019	100.00011	-209.24051
IHA4D00_DS	-0.09	0.08	5900		78.10668	100.00027	-209.10435
IOR4D00_US	1.17	0.08	5995		78.03255	100.00028	-208.94197

	OHMS
LOWER LIMIT SWITCH	7908
UPPER LIMIT SWITCH	743
HORIZONTAL WIRE Used to define vertical beam position	5924
VERTICAL WIRE Used to define horizontal beam position	3040
CALIPER READINGS	
HORIZONTAL WIRE	79.6MM
VERTICAL WIRE	50.5MM