



Jefferson Lab Alignment Group

Data Transmittal

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DATE: 11 Nov 2005

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Checked:

: F1021

DETAILS:

The SF magnets in the FEL 5F region were recently re-aligned using the following ideal coordinates. As set deltas in the beam following system are also shown. A positive z value means the magnet is too far downstream, positive x, is too far beam left, and a positive y is too high.

Magnet	Ideal coordinates			DZ	As Set Deltas	
	z	x	y		DX	DY
MSF5F00	91.2944	15.4500	105.0000	0.29	-0.13	0.16
MSF5F01	93.4446	16.3000	105.0000	0.54	0.08	-0.08
MSF5F03	93.4446	18.3000	105.0000	-0.44	-0.35	0.11
MSF5F04	91.2944	19.1500	105.0000	-0.19	-0.02	0.14

In addition, magnet QJ0L03 was set higher than the "ideal" value as shown.

Magnet	Ideal coordinates			DZ	As Set Deltas	
	z	x	y		DX	DY
QJ0F03	86.0475	21.3459	105.0000	0.13	0.02	4.79