



Jefferson Lab Alignment Group

Data Transmittal

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DATE: 21 Feb 2007

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Checked:

: B1098

DETAILS:

Below are the results from the collimator alignment performed on 21 Feb 2007. A +X is to the left from ideal beam center (looking downstream) and a +Y is above. Note: while repositioning the 6.4 collimator, the spacers on the active collimator were disturbed and partially fell out. Repositioning them should bring it back into the initial alignment.

Initial alignment

Collimator	X	Y	Spacer
Active upst	-0.39	0.06	0.20mm (3 pieces)
Active dnst	-0.55	0.06	0.07mm (1 piece)
6.4 upst	-0.87	0.01	0.20mm
6.4 dnst	-1.08	0.05	none

Pulled 6.4, aligned 2.6

Collimator	X	Y	Spacer
2.6 upst	-0.92	0.01	0.20mm
2.6 dnst	-1.05	0.00	none

Pulled 2.6, repositioned 6.4

Collimator	X	Y
6.4 Upst	-0.96	0.04
6.4 dnst	-1.07	0.02

Repeatability check

Collimator	X	Y
Active upst	-0.56	-0.10
Active dnst	-0.59	-0.02
6.4 upst	-0.95	0.06
6.4 dnst	-1.03	0.02