



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Liguang Tang, Mizuki Sumihama

**DATE:** Jan 21 2005

**FROM:** Richard Schwartz

**Checked:**

**# :** C973

### DETAILS:

Below are the results of the calibration survey performed on the Enge collimator located in the physics storage building. The values are relative to the magnet centerline as defined by a perpendicular line from the upstream face of the magnet centered horizontally on the dowel pin hole, vertically on the pole tip aperture, and at the upstream face of the steel along beam. A +X is to the beam left, a +Z is downstream, and +Y is up.

The slits were set vertically on the ideal centerline and encoder values recorded.

Repeatability measurements were taken when the slits were re-positioned using the encoder values. Transverse to beam, there is no hole centered on the multi hole slit.

Therefore, the hole to the left and right were surveyed.

Description	Z (Upst face)	X	Y	Encoder
11cm x 4cm Slit	-64.16	-11.75	0.16	13.1200
Repeatability	-64.15	-11.75	0.17	
Multi hole slit (BR)		-21.84	0.07	28.1300
(BL)		-1.80	0.11	
Repeatability (BR)		-21.81	0.06	
(BL)		-1.81	0.11	