

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: J. Gomez, E. Folts, J. LeRose

DATE: September 18, 2002

FROM: Chris Curtis

Checked: # : A812

DETAILS:

Below are the results from the surveys of the spectrometer collimator slits carried out on September 17, 2002. The coordinate systems were established using Q1 and the collimator box fiducial values with respect to the centerline of the dipole. The numbers shown represent the location (in mm) of the target with respect to its ideal position. A negative X is to the beam right, and positive Y is high.

	Del X	Del Y	Encoder
HADRON (Right)			
Large Slit	1.45	-0.03	6129 (set)
Sieve Slit	-0.11	0.47	3605 (current nominal)
Sieve Slit	-0.03	-0.05	3610 (set)
Sieve Slit	-0.05	-0.06	3610 (repeatability)
ELECTRON (Left)			
Large Slit	-2.21	-0.01	6201 (set)
Sieve Slit	-0.74	1.49	3682 (current nominal)
Sieve Slit	-0.89	0.05	3694 (set)
Sieve Slit	-0.85	0.06	3694 (repeatability)