



Jefferson Lab Alignment Group

Data Transmittal

TO: E Folts, C. Camacho

DATE: 09 Mar 2015

FROM: J. Dahlberg

Checked:

: A1608

DETAILS:

Step2b\HallA\Sieve_slits\150202a, Step2b\HallA\150224A, 150304a

Below are the results from the recent surveys carried out on the Left slit box and the Left and Right spectrometer removable sieve slits. Values are relative to the ideal Hall A target location and rotated horizontally toward the spectrometer centers based on pointing surveys at the time. Measurements are to the upstream face. A +Z is downstream, +X is to the beam left, and +Y is up. A +yaw angle is counter clockwise looking from above, a +pitch is ccw looking from the beam right, and a +roll is cw looking from upstream.

LEFT SIEVE SLIT BOX

Spectrometer at -23.451 Deg.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
Sieve slit.	1182.02	0.76	-0.01	-0.1014	-0.1680	0.0698
Sieve slit repeat.	1182.00	0.71	0.09	-0.0988	-0.1518	0.0601
Large Aperture	1109.90	-0.98	-0.19	-0.1635	-0.1575	0.2864

LEFT REMOVABLE SIEVE

Spectrometer at -25.002 Deg.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
Sieve	970.84	2.83	2.55	-0.0276	-0.1239	0.0017
Sieve Rep	971.14	2.81	2.58			

RIGHT REMOVABLE SIEVE

Spectrometer at 43.755 Deg.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
Sieve	1039.54	-1.14	1.09	-0.1232	-0.0495	-0.0697
Sieve Rep	1039.57	-0.94	0.99	-0.1798	-0.0496	-0.0697