



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Malace, E. Becker

DATE: 06 Feb 2019

FROM: Chris Gould

Checked:

: A1903

DETAILS:

M:\align\DATA\Fiduc\HallA\Moller\Target Ladder\190114A

The information provided below should be used as a supplement to DT_A1898. This data reflects how well the foils were positioned to the ideal beam location. The 4um foil was used to define the origin, the target frame was used to define the rotation angles. A positive X is beam left, positive Y is up and a positive Z is downstream. Efforts were made to maximize rotation angles around straight ahead beam. Encoder values were recorded when each foil was positioned at beam elevation. Values are in millimeters and degrees.

Foils	X	Y	Z	Rx(Pitch)	Ry(Yaw)	Rz(roll)
4um	0.00	0.00	0.00	0.0000	0.0000	0.0000
4um_Repeat	0.00	-0.02	0.00			
1um	-0.07	0.06	0.00			
10um	0.05	0.09	0.00			
Top Flange	0.36	287.33	0.64	-0.1570		90.0634
Ladder Rotated Positive					6.8050	
Ladder Rotated Negative					-6.6587	