



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlatch

DATE: 26 Oct 2017

FROM: J. Walker

Checked: JCD

: D1823

DETAILS:

Data: Step2B\HallD\Target\171024a; Fid\HallD\target\171024a

Below are the results from the recent Hall D target and start counter surveys. Mech coordinates are in meters. The as-set Z locations of the ends are calculated based on measurements prior to inserting the cart into the solenoid. A + roll angle (in degrees), is clockwise looking from upstream, a + pitch angle is ccw looking from the beam right, and a + yaw angle is ccw looking from above. The target upstream and G10 flanges are to the downstream face. The start counter upstream flange is to the upstream face.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
TGT ideal CELL CL	398.78983	80.60000	104.70000	0.0000	0.0000	0.0000
TGT set CELL CL	398.78983	80.59996	104.69993	-0.0010	0.0021	-0.0015
TGT set DS tip	398.93758					
TGT set US G10	398.53463					
TGT set US flange	398.21233					
STRTCNT ideal CL	398.78983	80.60000	104.70000	0.0000	0.0000	0.0000
STRTCNT set CL	398.78809	80.60068	104.70083	0.1564	0.2207	-0.0029
STRTCNT set DS tip	399.11064					
STRTCNT set US	398.43754					