



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlatch

DATE: 20 Mar 2015

FROM: J. Dahlberg

Checked:

: D1612

DETAILS:

Data: Step2B\HallD\150121A, 150220A, 150223A, Fiducial\HallD\Target\150211A

Below are the results from the recent surveys carried out on the Hall D solenoid, CDC, and target assembly. Values are in machine coordinates (meters). A + roll angle (in degrees), is clockwise looking from upstream.

LOCATION	ROLL	Z	X	Y
Solenoid CL steel	0.0043	400.02858	80.59985	104.69988
Solenoid US face steel		397.63062	80.59901	104.69947
Solenoid DS face steel		402.42654	80.60068	104.70028
CDC CL	0.0455	399.05979	80.60003	104.69968
CDC Active area US		398.30922	80.60001	104.69992
CDC Active area DS		399.80887	80.60004	104.69944
Target CL (150.13 mm us from end)		398.77178	80.60008	104.69992
Target Cell DS tip		398.92191	80.60006	104.69991
Target Cell G10 flange (ds face)		398.51924	80.60008	104.69995
Tgt Tube DS flange		398.19684	80.59999	104.70138
Scatter Chamber CL (196.63 mm us from end)		398.77368	80.60107	104.70111
Scatter Chamber US flange (ds face)		398.43182	80.60027	104.70137
Scatter Chamber US on Cylinder		398.58138	80.60076	104.70228
Scatter Chamber DS on Cylinder		398.92418	80.60130	104.70099
Scatter Chamber DS End		398.97031	80.60148	104.70095
Start Counter CL		398.77108	80.60065	104.70057
Start Counter US Cylinder		398.53864	80.60013	104.70129
Start Counter DS Cylinder		398.89597	80.60093	104.70017
Start Counter DS end		399.09488	80.60138	104.69956
Start Counter US flange (ds face)		398.42183	80.60030	104.70123