



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Fischer, O. Pastor

DATE: 27 Jan 2014

FROM: Kelly Tremblay

Checked:

: B1542

DETAILS:

data : inspection\hallb\shielding plates\140108A

The shielding plates for the Hall B Torus magnet were measured January 14th, 2014. Listed below are the results for back panel E [ref dwg B00000-04-01-1227 revB]. The table's columns below are as follows:

Name – name for the circle / bolt hole measured referenced to the plot at the bottom

dVec – sum of the error found versus design

dRad – difference in the radius found versus design

dX – difference in X coordinate (design – found)

dY – difference in Y coordinate (design – found)

dZ – difference in height (design – found) for points on bent plane.

Units are millimeters.

Ideal	dVec	dRad	dX	dY
ci_be1	0.10	-0.01	0.07	0.06
ci_be1	0.16	-0.03	0.14	0.08
ci_be2	4.16	-0.66	0.13	-4.16
ci_be3	0.14	-0.04	0.13	0.05
ci_be4	0.14	-0.04	0.14	0.03
ci_be5	0.13	-0.03	0.13	0.03
ci_be6	Not located			
ci_be7	0.16	-0.03	0.14	-0.07
ci_be8	0.20	-0.04	0.16	-0.11
ci_be9	0.22	-0.03	0.19	-0.11
ci_be10	0.26	-0.03	0.22	-0.13
ci_be11	0.25	-0.03	0.22	-0.12
ci_be12	4.85	-0.98	0.24	-4.84
ci_be13	3.43	-0.98	0.24	-3.42
ci_be14	0.23	2.14	0.23	-0.04
ci_be15	0.24	2.06	0.24	-0.03
ci_be16	0.22	2.07	0.21	-0.03
ci_be17	0.18	2.08	0.17	-0.06
ci_be18	0.14	2.06	0.14	-0.03
ci_be19	0.13	2.03	0.13	0.01
ci_be20	0.13	-0.12	0.12	0.06
ci_be21	0.13	2.04	0.11	0.06
ci_be22	0.10	2.05	0.10	0.03

ci_be23	0.06	-0.03	0.05	0.02
ci_be24	0.12	2.11	0.10	-0.06
ci_be25	0.23	2.14	0.23	-0.04
ci_be26	0.10	-0.01	0.07	0.06
ci_be27	0.14	-0.03	0.13	0.06
ci_be28	0.15	-0.03	0.14	0.06
ci_be29	0.21	-0.02	0.19	-0.07
ci_be30	0.19	-0.02	0.19	-0.04

