



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Fischer, O. Pastor

DATE: 28 Jan 2014

FROM: Kelly Tremblay

Checked:

: B1544

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 G [ref dwg B00000-04-01-1229 revC]. 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. A sketch follows on the last page.

Ideal	dVec	dRad	dX	dY
ci_BG1	0.25	2.08	0.24	-0.08
ci_BG2	0.25	2.07	0.24	-0.08
ci_BG3	0.23	2.06	0.21	-0.10
ci_BG4	0.22	2.05	0.21	-0.09
ci_BG5	Not Measured			
ci_BG6	0.16	2.05	0.14	-0.07
ci_BG7	0.11	2.07	0.10	-0.06
ci_BG8	0.08	2.08	0.07	-0.05
ci_BG9	0.05	2.07	0.05	-0.03
ci_BG10	0.05	2.07	0.05	-0.03
ci_BG11	0.04	2.08	0.03	-0.02
ci_BG12	0.01	2.07	0.01	0.00
ci_BG13	0.20	2.12	0.18	0.08
ci_BG14	0.02	-0.04	-0.02	-0.01
ci_BG15	0.04	-0.03	-0.01	-0.04
ci_BG16	0.10	-0.03	-0.06	-0.09
ci_BG17	0.11	-0.03	-0.06	-0.09
ci_BG18	0.14	2.12	0.08	-0.12
ci_BG19	0.15	2.13	0.08	-0.12
ci_BG20	0.17	2.12	0.12	-0.12
ci_BG21	0.15	2.08	0.10	-0.11
ci_BG22	0.17	2.09	0.12	-0.12
ci_BG23	0.22	2.09	0.18	-0.12
ci_BG24	0.28	2.10	0.26	-0.12

ci_BG25	0.33	2.09	0.31	-0.10
ci_BG26	0.28	-0.01	0.24	0.13
ci_BG27	0.24	-0.02	0.22	0.10
ci_BG28	0.14	-0.03	0.12	0.07
ci_BG29	0.10	-0.03	0.09	-0.03
ci_BG30	0.08	-0.03	0.07	0.03
ci_BG31	0.07	-0.02	0.02	-0.06
ci_BGsh1	3.30	0.33	0.18	-0.09
ci_BGsh2	3.30	0.33	0.22	-0.10
ci_BGsh3	3.30	0.32	0.17	-0.11
ci_BGsh4	3.30	0.32	0.19	-0.11

