



BC-050

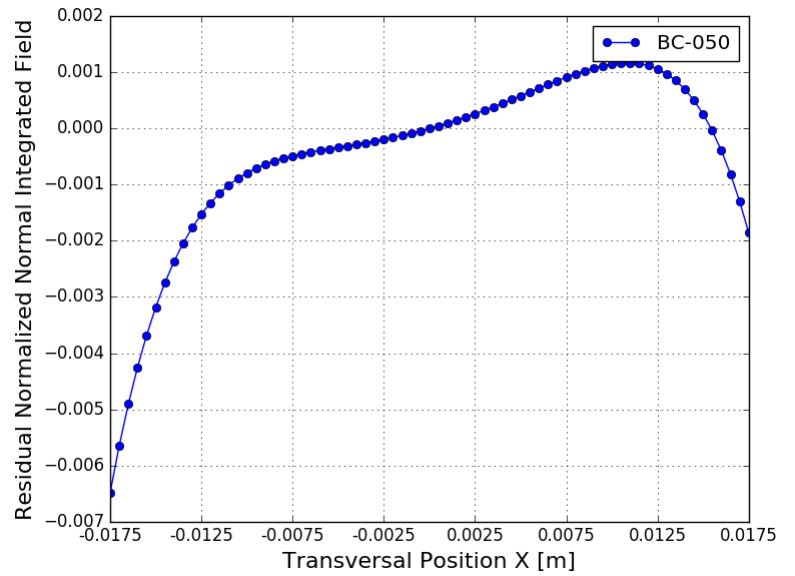
BOOSTER MAGNET REPORT

Results

| | |
|-----------------------------|--------------------------|
| Date | 06/05/2015 |
| Hour | 14:48:40 |
| Temperature [°C] | 24.0 |
| Number of Measurements | 20 |
| Main Coil Current [A] | (9.977 ± 0.002) |
| Trim Coil Current [A] | -- |
| Integrated Field [T.m] | (-3.3898 ± 0.0002) x E-3 |
| Magnet Center Offset X [μm] | -- |
| Magnet Center Offset Y [μm] | -- |
| Roll [mrad] | (-6.7 ± 0.2) x E-1 |

Electric Parameters

| | |
|---------------------------|-------|
| Indutance [mH] | 3.137 |
| Voltage [V] | -- |
| Resistance [mΩ] | -- |
| Main Coil Number of Turns | 38.5 |



| n | Normalized Normal Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾] | Normalized Skew Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾] |
|----------------|--|--|
| 1 (dipole) | (1 ± 0) | (-7 ± 0) x E-4 |
| 2 (quadrupole) | (2 ± 0) x E-3 | (5 ± 0) x E-4 |
| 3 (sextupole) | (2 ± 0) x E-3 | (4 ± 0) x E-4 |
| 4 | (6 ± 0) x E-5 | (-10 ± 0) x E-5 |
| 5 | (-2 ± 0) x E-3 | (-7 ± 0) x E-5 |
| 6 | (8 ± 0) x E-4 | (3 ± 0) x E-5 |
| 7 | (-4 ± 0) x E-3 | (5 ± 0) x E-6 |
| 8 | (-6 ± 0) x E-5 | (6 ± 0) x E-5 |
| 9 | (7 ± 0) x E-5 | (-9 ± 0) x E-5 |
| 10 | (-2 ± 0) x E-4 | (-3 ± 0) x E-5 |
| 11 | (5 ± 0) x E-4 | (-1 ± 0) x E-4 |
| 12 | (4 ± 0) x E-5 | (8 ± 0) x E-5 |
| 13 | (-5 ± 0) x E-5 | (-6 ± 0) x E-5 |
| 14 | (7 ± 0) x E-5 | (2 ± 0) x E-5 |
| 15 | (-6 ± 0) x E-5 | (2 ± 0) x E-5 |

