



BC-010

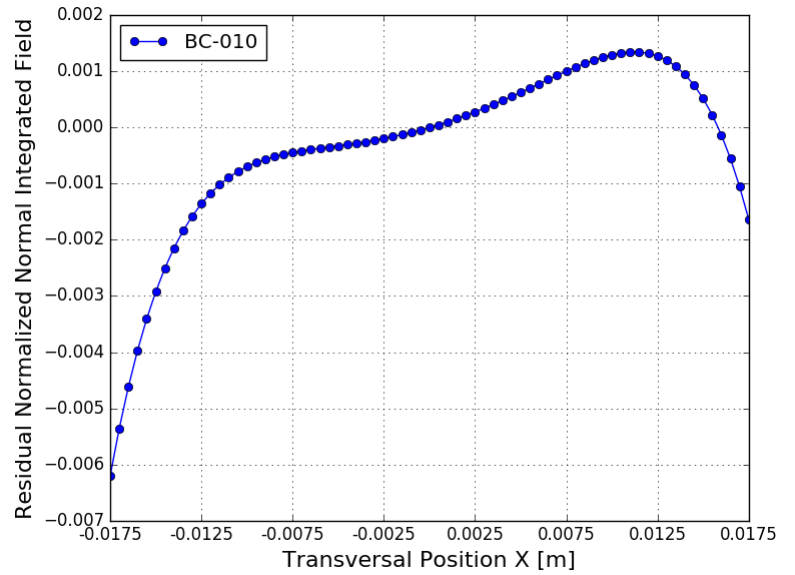
BOOSTER MAGNET REPORT

Results

| | |
|-----------------------------|-------------------------------|
| Date | 17/03/2015 |
| Hour | 11:29:20 |
| Temperature [°C] | -- |
| Number of Measurements | 20 |
| Main Coil Current [A] | (9.978 ± 0.001) |
| Trim Coil Current [A] | -- |
| Integrated Field [T.m] | (-3.39264 ± 0.00009) x E-3 |
| Magnet Center Offset X [μm] | -- |
| Magnet Center Offset Y [μm] | -- |
| Roll [mrad] | (-1.13 ± 0.04) |

Electric Parameters

| | |
|---------------------------|--------|
| Indutance [mH] | 3.159 |
| Voltage [V] | 0.679 |
| Resistance [mΩ] | 75.431 |
| 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) | (1.00000 ± 0.00003) | (-1.13 ± 0.01) x E-3 |
| 2 (quadrupole) | (1.65 ± 0.06) x E-3 | (2.9 ± 0.3) x E-4 |
| 3 (sextupole) | (2.02 ± 0.04) x E-3 | (1.9 ± 0.7) x E-4 |
| 4 | (8 ± 4) x E-5 | (9 ± 3) x E-5 |
| 5 | (-2.07 ± 0.03) x E-3 | (-3.3 ± 0.3) x E-4 |
| 6 | (6.1 ± 0.3) x E-4 | (2.3 ± 0.3) x E-4 |
| 7 | (-4.08 ± 0.02) x E-3 | (3.8 ± 0.2) x E-4 |
| 8 | (-3 ± 4) x E-5 | (-6 ± 3) x E-5 |
| 9 | (-1.5 ± 0.4) x E-4 | (-6 ± 5) x E-5 |
| 10 | (-1.6 ± 0.4) x E-4 | (-1 ± 6) x E-5 |
| 11 | (4.7 ± 0.3) x E-4 | (-3 ± 4) x E-5 |
| 12 | (6 ± 3) x E-5 | (1 ± 5) x E-5 |
| 13 | (-7 ± 4) x E-5 | (-4 ± 4) x E-5 |
| 14 | (7 ± 5) x E-5 | (7 ± 7) x E-5 |
| 15 | (-6 ± 5) x E-5 | (-5 ± 6) x E-5 |

