



BC-041

BOOSTER MAGNET REPORT

Results

Date 05/05/2015

Hour 14:02:06

Temperature [°C] 24.0

Number of Measurements 20

Main Coil Current [A] (9.978 ± 0.003)

Trim Coil Current [A] --

Integrated Field [T.m] (-3.39110 ± 0.00008) x E-3

Magnet Center Offset X [μm] --

Magnet Center Offset Y [μm] --

Roll [mrad] (-5 ± 1) x E-1

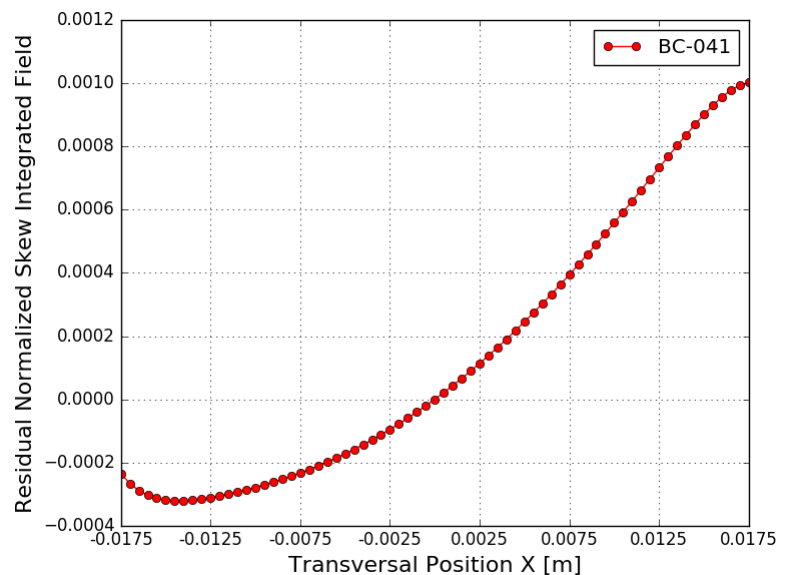
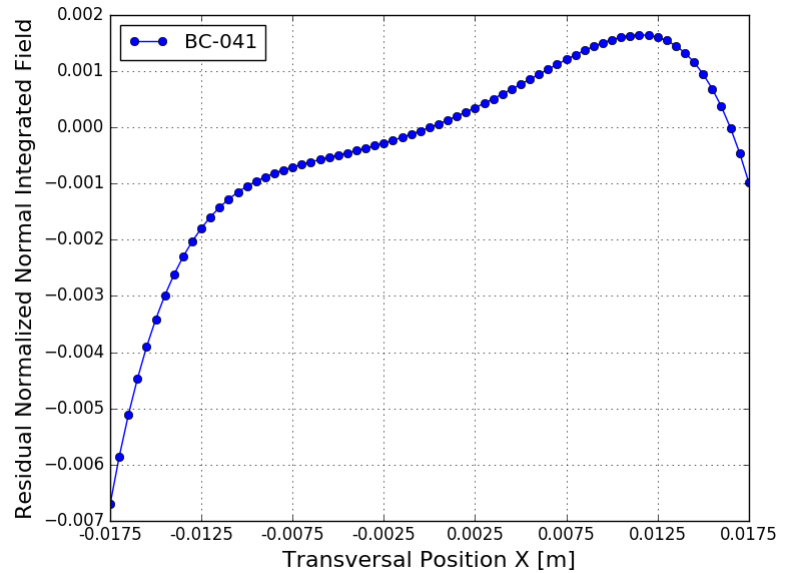
Electric Parameters

Inductance [mH] 3.130

Voltage [V] 0.718

Resistance [mΩ] 79.814

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) | (-5 ± 0) x E-4 |
| 2 (quadrupole) | (2 ± 0) x E-3 | (7 ± 0) x E-4 |
| 3 (sextupole) | (2 ± 0) x E-3 | (4 ± 0) x E-4 |
| 4 | (7 ± 0) x E-5 | (2 ± 0) x E-6 |
| 5 | (-2 ± 0) x E-3 | (-5 ± 0) x E-5 |
| 6 | (7 ± 0) x E-4 | (3 ± 0) x E-5 |
| 7 | (-4 ± 0) x E-3 | (-6 ± 0) x E-5 |
| 8 | (-2 ± 0) x E-4 | (-4 ± 0) x E-5 |
| 9 | (1 ± 0) x E-4 | (3 ± 0) x E-5 |
| 10 | (-8 ± 0) x E-5 | (-2 ± 0) x E-5 |
| 11 | (6 ± 0) x E-4 | (1 ± 0) x E-5 |
| 12 | (1 ± 0) x E-4 | (-4 ± 0) x E-5 |
| 13 | (-1 ± 0) x E-4 | (2 ± 0) x E-5 |
| 14 | (8 ± 0) x E-5 | (-4 ± 0) x E-5 |
| 15 | (-1 ± 0) x E-4 | (-1 ± 0) x E-5 |