



BQF-026

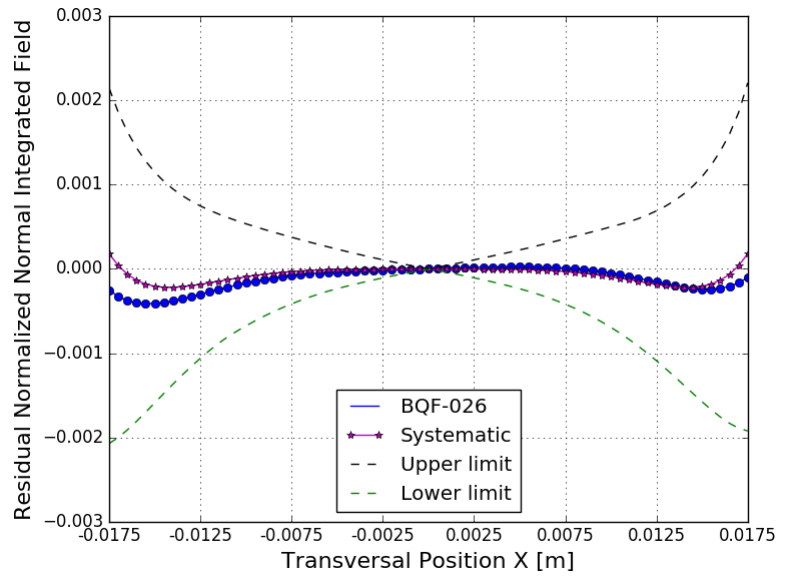
BOOSTER MAGNET REPORT

Results

| | |
|--|----------------------|
| Date | 31/03/2016 |
| Hour | 12:08:49 |
| Temperature [°C] | 21.3 |
| Number of Measurements | 17 |
| Main Coil Current [A] | (130.0013 ± 0.0004) |
| Trim Coil Current [A] | -- |
| Integrated Gradient [T] | (-4.83182 ± 0.00008) |
| Magnet Center Offset X [μm] - (< ±160.0) | (-15.0 ± 0.4) |
| Magnet Center Offset Y [μm] - (< ±160.0) | (-44.5 ± 0.2) |
| Roll [mrad] - (< ±0.8) | (-5.2 ± 0.2) × E-1 |

Electric Parameters

| | |
|---------------------------|-------|
| Inductance [mH] | 8.312 |
| Voltage [V] | 0.487 |
| Resistance [mΩ] | 48.70 |
| Main Coil Number of Turns | 26.25 |



| 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) | (-8.5 ± 0.2) × E-4 | (-2.54 ± 0.01) × E-3 |
| 2 (quadrupole) | (1.00000 ± 0.00002) | (-1.03 ± 0.01) × E-3 |
| 3 (sextupole) | (1.1 ± 0.2) × E-4 | (-4 ± 2) × E-5 |
| 4 | (2 ± 2) × E-5 | (1.4 ± 0.2) × E-4 |
| 5 | (-4 ± 2) × E-5 | (-5 ± 1) × E-5 |
| 6 | (-1.19 ± 0.02) × E-3 | (2.3 ± 17.2) × E-6 |
| 7 | (7 ± 2) × E-5 | (-3 ± 2) × E-5 |
| 8 | (-2.8 ± 21.5) × E-6 | (-4.3 ± 0.9) × E-5 |
| 9 | (-4 ± 1) × E-5 | (2 ± 2) × E-5 |
| 10 | (1.10 ± 0.01) × E-3 | (6 ± 4) × E-6 |
| 11 | (-2 ± 9) × E-6 | (-2 ± 2) × E-5 |
| 12 | (2 ± 7) × E-6 | (-2.0 ± 0.9) × E-5 |
| 13 | (7 ± 6) × E-6 | (1.3 ± 0.8) × E-5 |
| 14 | (-9.9 ± 0.8) × E-5 | (1.5 ± 1.0) × E-5 |
| 15 | (-3.2 ± 0.8) × E-5 | (-7.9 ± 55.9) × E-7 |

