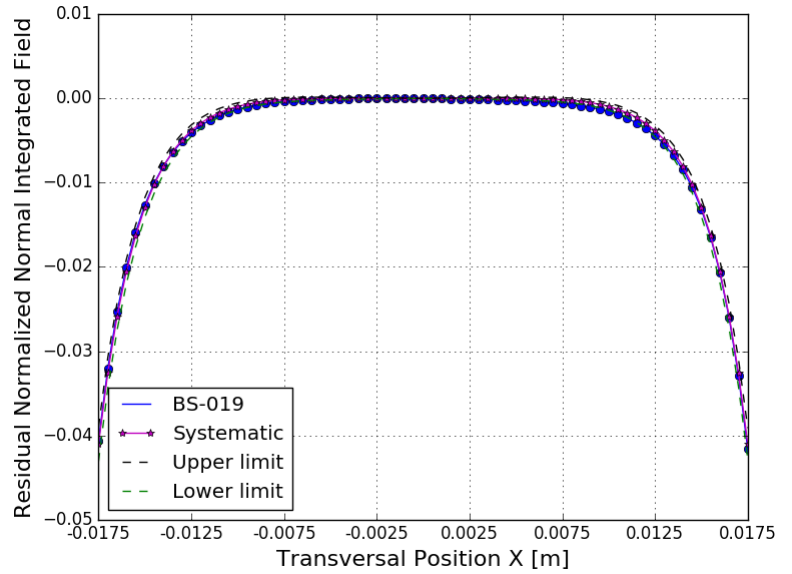


**BS-019****BOOSTER MAGNET REPORT****Results**

| | |
|------------------------------------------|---------------------|
| Date | 24/10/2016 |
| Hour | 13:53:10 |
| Temperature [°C] | 23.0 |
| Number of Measurements | 17 |
| Main Coil Current [A] | (149.956 ± 0.002) |
| Trim Coil Current [A] | (0 ± 0) |
| Integrated Gradient [T.m] | (-21.4228 ± 0.0006) |
| Magnet Center Offset X [μm] - (< ±160.0) | (12.5 ± 0.2) |
| Magnet Center Offset Y [μm] - (< ±160.0) | (-36.3 ± 0.2) |
| Roll [mrad] - (< ±0.8) | (-2.7 ± 0.5) × E-2 |

Electric Parameters

| | |
|---------------------------|-------|
| Inductance [mH] | 0.110 |
| Voltage [V] | -- |
| Resistance [mΩ] | -- |
| Main Coil Number of Turns | 3 |



| 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) | (-3.83 ± 0.02) × E-3 | (-2.02 ± 0.02) × E-3 |
| 2 (quadrupole) | (1.43 ± 0.02) × E-3 | (-4.15 ± 0.02) × E-3 |
| 3 (sextupole) | (1.00000 ± 0.00003) | (-8 ± 2) × E-5 |
| 4 | (-2.7 ± 0.2) × E-4 | (-1.30 ± 0.03) × E-3 |
| 5 | (-1.85 ± 0.04) × E-3 | (3.0 ± 22.4) × E-6 |
| 6 | (1.1 ± 0.1) × E-4 | (6.7 ± 22.7) × E-6 |
| 7 | (-4.2 ± 0.4) × E-4 | (3 ± 3) × E-5 |
| 8 | (-1.1 ± 0.4) × E-4 | (4.3 ± 0.3) × E-4 |
| 9 | (-2.179 ± 0.003) × E-2 | (-5 ± 4) × E-5 |
| 10 | (3 ± 6) × E-5 | (8 ± 8) × E-5 |
| 11 | (9 ± 6) × E-5 | (-3 ± 8) × E-5 |
| 12 | (2.8 ± 45.0) × E-6 | (-4 ± 7) × E-5 |
| 13 | (-8.9 ± 43.3) × E-6 | (-3 ± 4) × E-5 |
| 14 | (-2.5 ± 0.7) × E-4 | (5.6 ± 0.3) × E-4 |
| 15 | (-1.716 ± 0.006) × E-2 | (-2 ± 6) × E-5 |

