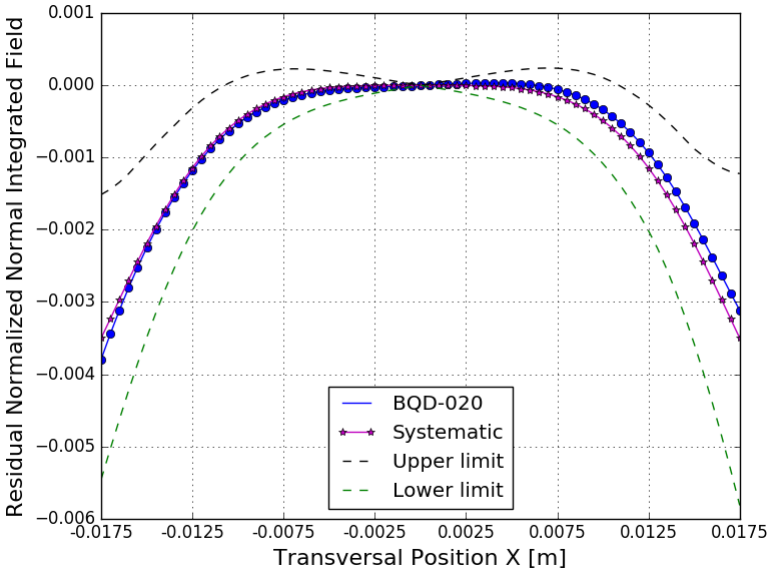
BQD-020

BOOSTER MAGNET REPORT

Results	
Date	18/04/2016
Hour	09:22:39
Temperature [°C]	27.2
Number of Measurements	17
Main Coil Current [A]	(32.0027 ± 0.0006)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-5.30630 ± 0.00007) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-4.3 ± 0.3)
Magnet Center Offset Y [μm] - (< ±160.0)	(-45.4 ± 0.4)
Roll [mrad] - (< ±0.8)	(-3.0 ± 0.4) x E-1
Electric Parameters	
Indutance [mH]	3.731
Voltage [V]	0.2794
Resistance [mΩ]	27.94
Main Coil Number of Turns	27.5



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)	(-2.5 ± 0.1) x E-4	(-2.59 ± 0.02) x E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-6.0 ± 0.3) x E-4
3 (sextupole)	(1.7 ± 0.1) x E-4	(-6.4 ± 0.2) x E-4
4	(1.5 ± 0.2) x E-4	(5 ± 4) x E-5
5	(-9.9 ± 14.6) x E-6	(-3 ± 3) x E-5
6	(-4.64 ± 0.02) x E-3	(-1.1 ± 0.3) x E-4
7	(2.1 ± 22.2) x E-6	(-6 ± 4) x E-5
8	(-1 ± 3) x E-5	(-1.3 ± 0.4) x E-4
9	(-2 ± 6) x E-5	(-2 ± 4) x E-5
10	(1.22 ± 0.06) x E-3	(-3.3 ± 54.8) x E-6
11	(9.9 ± 13.2) x E-5	(-9.5 ± 14.8) x E-5
12	(-1.0 ± 0.6) x E-4	(-3 ± 6) x E-5
13	(-3 ± 7) x E-5	(3 ± 5) x E-5
14	(-7 ± 7) x E-5	(6 ± 7) x E-5
15	(1 ± 1) x E-4	(-9.0 ± 13.1) x E-5