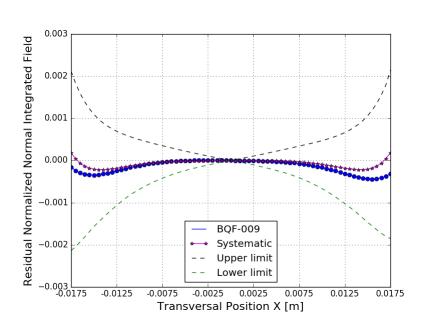


BQF-009

BOOSTER MAGNET REPORT

Results	
Date	05/04/2016
Hour	09:05:58
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0191 ± 0.0003)
Trim Coil Current [A]	
Integrated Gradient [T]	(-4.82924 ± 0.00002)
Magnet Center Offset X [μm] - (< ±160.0)	(14.81 ± 0.07)
Magnet Center Offset Y [μm] - (< ±160.0)	(-12.9 ± 0.1)
Roll [mrad] - (< ±0.8)	(-4.79 ± 0.04) x E-1
Electric Parameters	
Indutance [mH]	8.259
Voltage [V]	0.486
Resistance [m Ω]	48.60
Main Coil Number of Turns	26.25



	Normalized Normal	Normalized Skew
n	Multipoles x=17.5 mm	Multipoles x=17.5 mm
1 (dipole)	(8.46 ± 0.04) x E-4	(-7.35 ± 0.06) x E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(-9.59 ± 0.03) x E-4
3 (sextupole)	(-3.4 ± 0.8) x E-5	(-7.74 ± 0.07) x E-4
4	(-9.3 ± 0.6) x E-5	(1.15 ± 0.08) x E-4
5	(-3.1 ± 0.8) x E-5	(3.4 ± 0.7) x E-5
6	(-1.177 ± 0.009) x E-3	(2 ± 7) x E-6
7	(3.2 ± 0.6) x E-5	(-9 ± 7) x E-6
8	(-6.22 ± 113.98) x E-7	(-5.1 ± 0.5) x E-5
9	(-1 ± 2) x E-5	(2.1 ± 0.5) x E-5
10	(1.11 ± 0.01) x E-3	(2.2 ± 0.7) x E-5
11	(-3 ± 1) x E-5	(-2.8 ± 0.8) x E-5
12	(1.7 ± 0.9) x E-5	(-8 ± 8) x E-6
13	(2.7 ± 0.9) x E-5	(1.9 ± 0.9) x E-5
14	(-9.8 ± 0.8) x E-5	(3 ± 8) x E-6
15	(-3.5 ± 0.7) x E-5	(7 ± 7) x E-6

