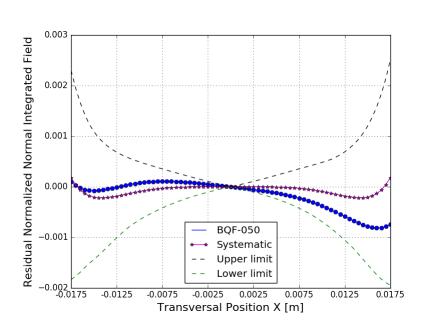


BQF-050

BOOSTER MAGNET REPORT

Results		
Date	01/04/2016	
Hour	16:22:14	
Temperature [°C]	21.3	
Number of Measurements	17	
Main Coil Current [A]	(129.9987 ± 0.0003)	
Trim Coil Current [A]		
Integrated Gradient [T]	(-4.82358 ± 0.00006	
Magnet Center Offset X [μm] - (< ±160.0)	(25.0 ± 0.4)	
Magnet Center Offset Y [μm] - (< ±160.0)	(-41.3 ± 0.1)	
Roll [mrad] - (< ±0.8)	(-5.82 ± 0.04) x E-1	
Electric Parameters	1	
Indutance [mH]	8.387	
Voltage [V]	0.484	
Resistance [m Ω]	48.40	
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)	(1.43 ± 0.02) x E-3	(-2.362 ± 0.007) x E-3	
2 (quadrupole)	(1.00000 ± 0.00001)	(-1.164 ± 0.003) x E-3	
3 (sextupole)	(-3.7 ± 0.2) x E-4	(-1.8 ± 0.1) x E-4	
4	(-1.01 ± 0.10) x E-4	(1.50 ± 0.08) x E-4	
5	(-10 ± 1) x E-5	(1.9 ± 0.8) x E-5	
6	(-1.223 ± 0.009) x E-3	(4.8 ± 11.9) x E-6	
7	(6 ± 1) x E-5	(-6 ± 2) x E-5	
8	(-1.0 ± 0.9) x E-5	(-4.4 ± 0.8) x E-5	
9	(1 ± 1) x E-5	(2 ± 1) x E-5	
10	(1.103 ± 0.009) x E-3	(2 ± 1) x E-5	
11	(-3.4 ± 0.8) x E-5	(-1.4 ± 0.9) x E-5	
12	(8 ± 7) x E-6	(-2 ± 1) x E-5	
13	(2 ± 1) x E-5	(9 ± 9) x E-6	
14	(-10 ± 1) x E-5	(3.3 ± 0.8) x E-5	
15	(-1.6 ± 1.0) x E-5	(9.19 ± 111.64) x E-7	

