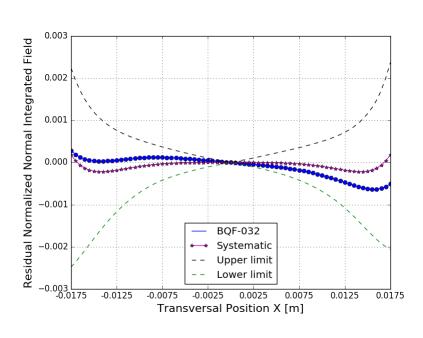


BQF-032

BOOSTER MAGNET REPORT

Results		
Date	13/04/2016	
Hour	15:46:56	
Temperature [°C]	21.3	
Number of Measurements	17	
Main Coil Current [A]	(130.0120 ± 0.0003)	
Trim Coil Current [A]		
Integrated Gradient [T]	(-4.82732 ± 0.00001)	
Magnet Center Offset X [μm] - (< ±160.0)	(35.46 ± 0.06)	
Magnet Center Offset Y [μm] - (< ±160.0)	(-29.46 ± 0.06)	
Roll [mrad] - (< ±0.8)	(-5.35 ± 0.04) x E-1	
Electric Parameters		
Indutance [mH]	8.214	
Voltage [V]	0.483	
Resistance [m Ω]	48.30	
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⁾]
2 (quadrupole)	(1.000000 ± 0.000003)	(-1.071 ± 0.003) x E-3
3 (sextupole)	(-3.30 ± 0.03) x E-4	(-5.94 ± 0.03) x E-4
4	(4.3 ± 0.3) x E-5	(1.47 ± 0.03) x E-4
5	(-1.14 ± 0.04) x E-4	(-1.5 ± 0.6) x E-5
6	(-1.157 ± 0.003) x E-3	(-2.9 ± 0.4) x E-5
7	(6.3 ± 0.2) x E-5	(1.2 ± 0.5) x E-5
8	(-2.8 ± 0.2) x E-5	(-3.7 ± 0.4) x E-5
9	(-1.2 ± 0.3) x E-5	(7 ± 6) x E-6
10	(1.105 ± 0.004) x E-3	(-1.8 ± 0.4) x E-5
11	(1.4 ± 0.5) x E-5	(-1.7 ± 0.5) x E-5
12	(6.1 ± 22.5) x E-7	(3.0 ± 0.4) x E-5
13	(-3.2 ± 0.3) x E-5	(10 ± 4) x E-6
14	(-8.0 ± 0.4) x E-5	(-1.6 ± 0.7) x E-5
15	(1.6 ± 0.4) x E-5	(-1.9 ± 0.7) x E-5

