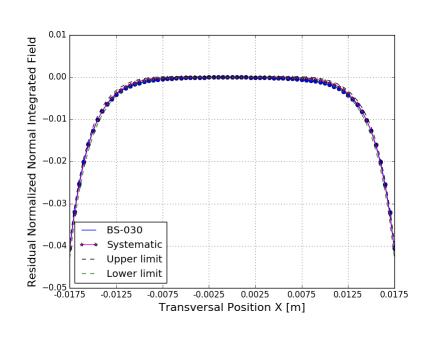


## **BS-030**

## **BOOSTER MAGNET REPORT**

Results		
Date	19/10/2016	
Hour	12:31:30	
Temperature [°C]	23.0	
Number of Measurements	17	
Main Coil Current [A]	(149.966 ± 0.002)	
Trim Coil Current [A]	(0 ± 0)	
Integrated Gradient [T.m]	(-21.4209 ± 0.0005)	
Magnet Center Offset X [μm] - (< ±160.0)	(4.3 ± 0.2)	
Magnet Center Offset Y [μm] - (< ±160.0)	(-48.1 ± 0.2)	
Roll [mrad] - (< ±0.8)	(9.1 ± 0.6) x E-2	
Electric Parameters		
Indutance [mH]	0.109	
Voltage [V]		
Resistance [mΩ]		
Main Coil Number of Turns	3	



n	Normalized Normal Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(-3.18 ± 0.03) x E-3	(-1.50 ± 0.02) x E-3
2 (quadrupole)	(4.9 ± 0.2) x E-4	(-5.49 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(2.7 ± 0.2) x E-4
4	(-1.1 ± 0.2) x E-4	(-7.0 ± 0.2) x E-4
5	(-1.78 ± 0.03) x E-3	(-4.2 ± 43.7) x E-6
6	(7 ± 4) x E-5	(1.6 ± 38.3) x E-6
7	(-3.5 ± 0.6) x E-4	(-3 ± 4) x E-5
8	(-2.9 ± 48.7) x E-6	(5.2 ± 0.5) x E-4
9	(-2.165 ± 0.004) x E-2	(-4 ± 3) x E-5
10	(4 ± 2) x E-5	(3 ± 4) x E-5
11	(8 ± 6) x E-5	(2 ± 4) x E-5
12	(5.6 ± 47.1) x E-6	(-2 ± 4) x E-5
13	(-8.9 ± 86.2) x E-6	(-1 ± 7) x E-5
14	(-3 ± 7) x E-5	(6.0 ± 1.0) x E-4
15	(-1.683 ± 0.005) x E-2	(-9 ± 5) x E-5

