



BC-028

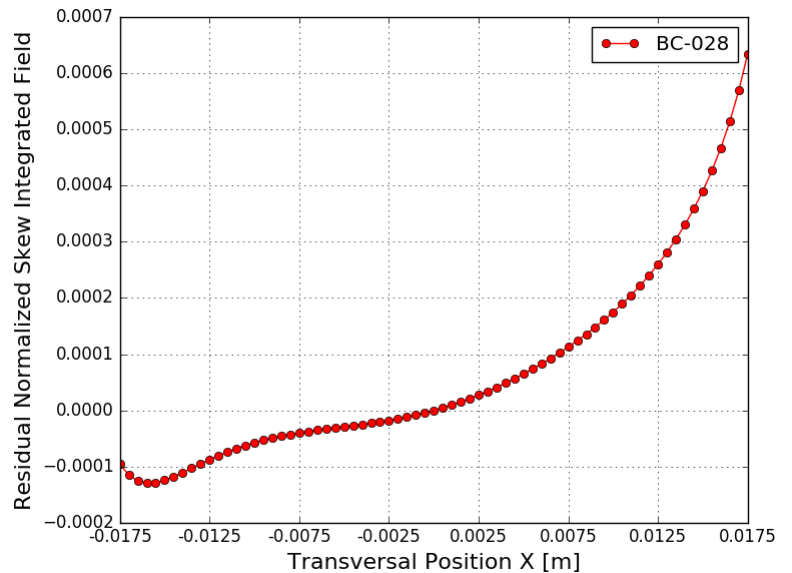
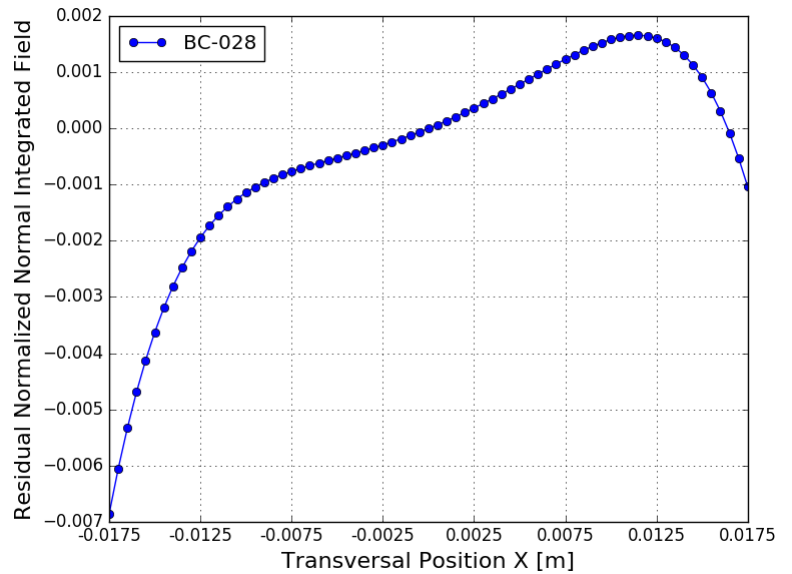
BOOSTER MAGNET REPORT

Results

Date	20/03/2015
Hour	14:57:18
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.002)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3906 ± 0.0003) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.63 ± 0.08)

Electric Parameters

Indutance [mH]	3.168
Voltage [V]	0.690
Resistance [mΩ]	76.638
Main Coil Number of Turns	38.5



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)	(1.00000 ± 0.00007)	(-1.63 ± 0.03) x E-3
2 (quadrupole)	(2.29 ± 0.05) x E-3	(1.6 ± 0.5) x E-4
3 (sextupole)	(1.81 ± 0.07) x E-3	(2.4 ± 0.4) x E-4
4	(7 ± 6) x E-5	(9 ± 5) x E-5
5	(-2.15 ± 0.05) x E-3	(-2.7 ± 0.6) x E-4
6	(7.0 ± 0.5) x E-4	(1.7 ± 0.4) x E-4
7	(-4.12 ± 0.04) x E-3	(3.0 ± 0.5) x E-4
8	(-1.0 ± 0.5) x E-4	(4.6 ± 39.6) x E-6
9	(-4 ± 5) x E-5	(-1.1 ± 0.7) x E-4
10	(-2.1 ± 0.7) x E-4	(-3 ± 4) x E-5
11	(5.1 ± 0.5) x E-4	(1 ± 4) x E-5
12	(4 ± 7) x E-5	(-4 ± 4) x E-5
13	(-1.4 ± 44.9) x E-6	(4 ± 7) x E-5
14	(1.2 ± 0.6) x E-4	(2 ± 6) x E-5
15	(3 ± 6) x E-5	(6 ± 4) x E-5