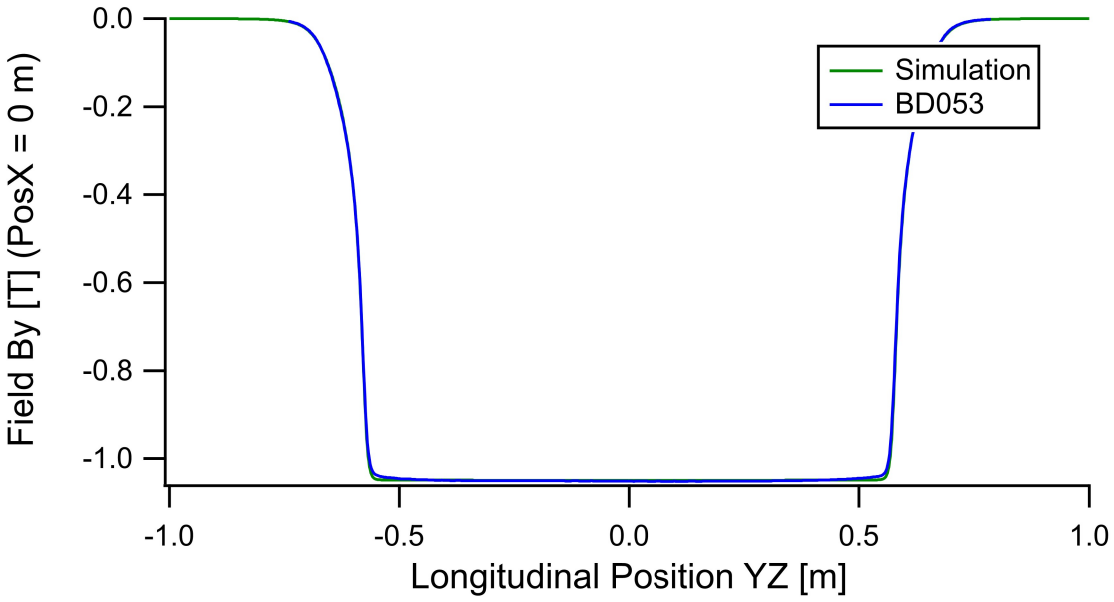
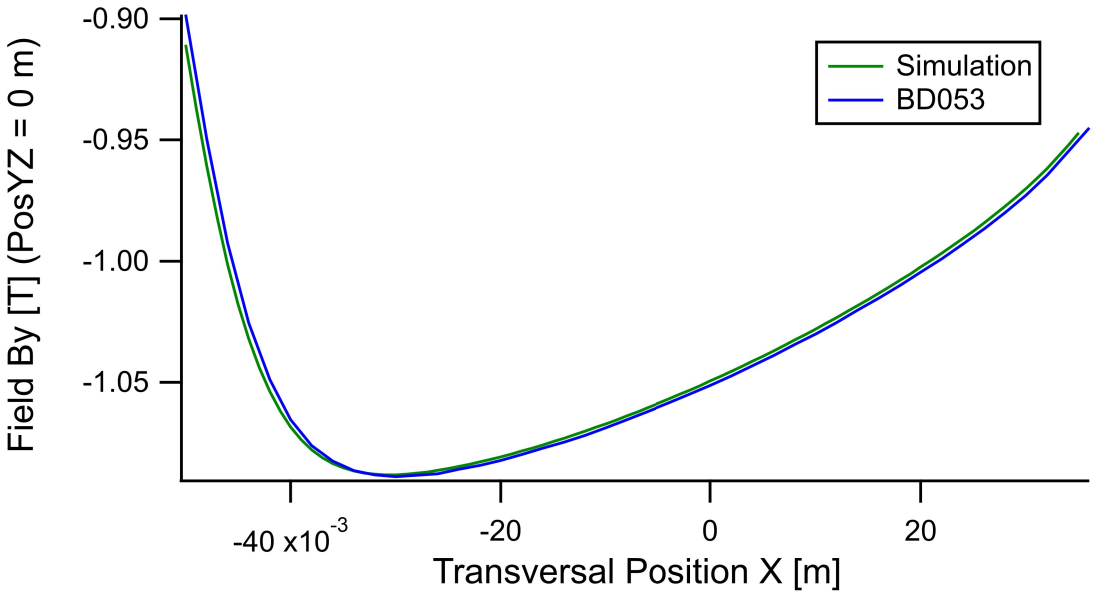
BD-053

Deflection Angle:

Horizontal Deflection Angle [°] -7.1871

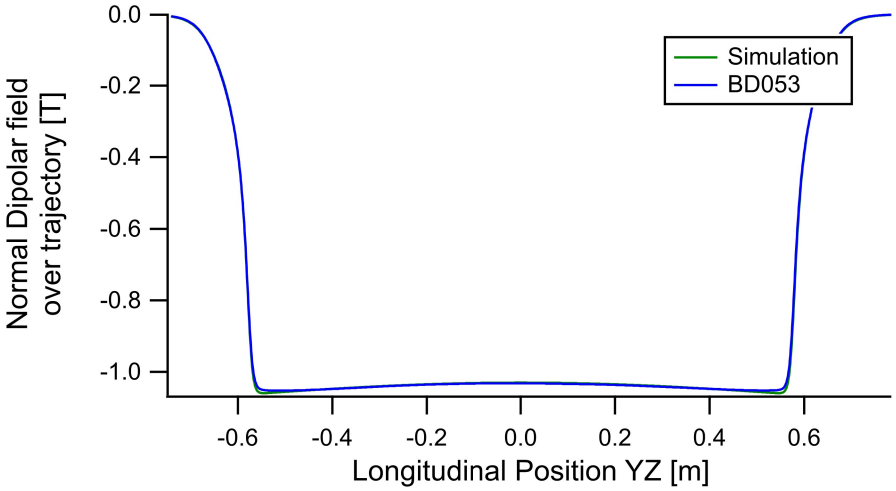
Field Profile:

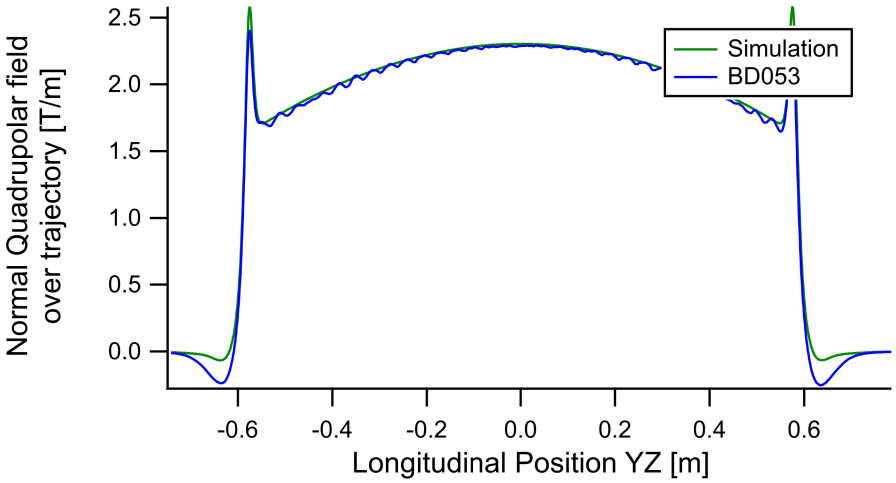


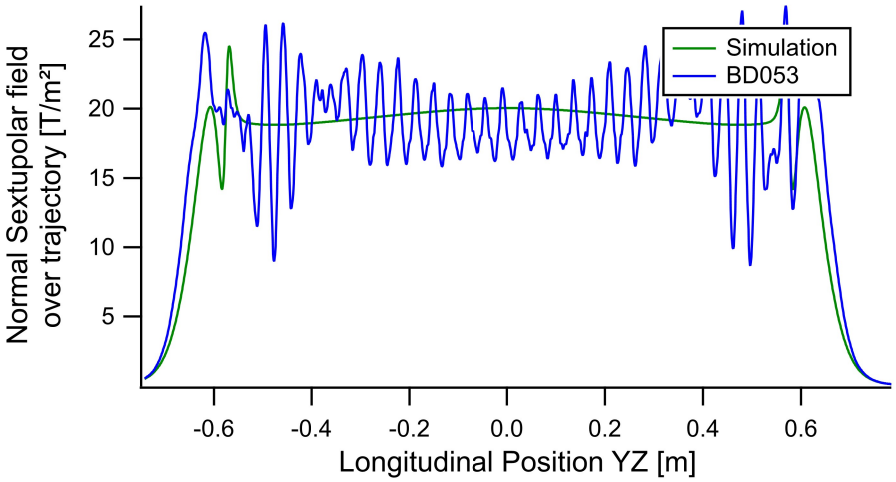


Integrated Normal Multipoles:

n	Nominal [T.m^(1-n)]	BD053 [T.m^(1-n)]	Error [%]
0	-1.2575	-1.2561	-0.1128
1	2.4788	2.4242	-2.2039
2	25.6277	26.1730	2.1278



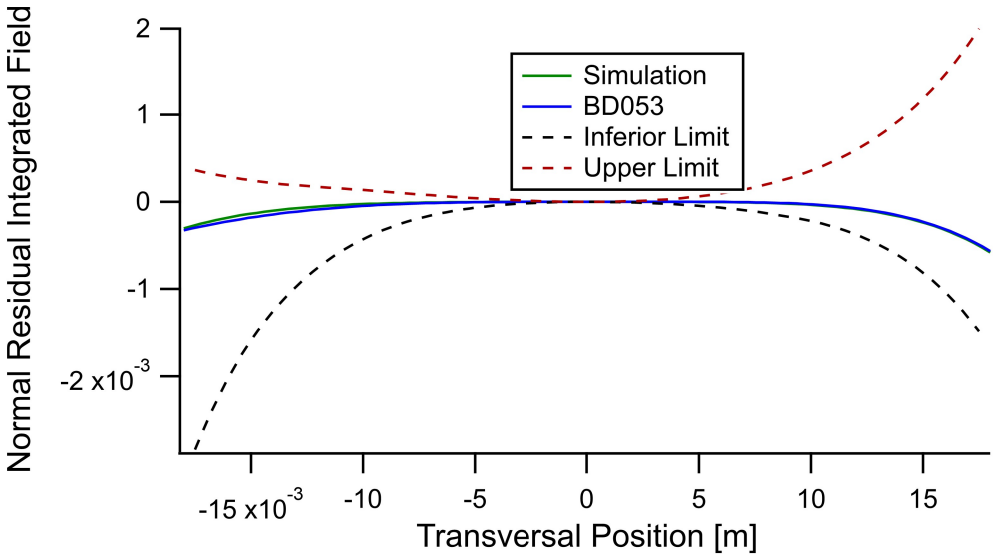




Magnet Multipole Errors Specification @r = 17.5 mm:

Multipole	Sys Normal	Sys Skew	Rnd Normal	Rnd Skew
B2/B0	--	--	5.5e-04	1.0e-04
B3/B0	4.0e-04	--	4.0e-04	1.0e-04
B4/B0	-3.6e-04	--	4.0e-04	1.0e-04
B5/B0	2.7e-04	--	4.0e-04	1.0e-04
B6/B0	-1.3e-04	--	4.0e-04	1.0e-04

Residual Field:



BD053:
Filename:
2017-04-20_BD-053_Model09_Hall_I=991.63A.dat

fieldmap_name:	BD-053
timestamp:	2017-04-20_09-33-35
nr_magnets:	1
magnet_name:	BD-053
gap[mm]:	28
control_gap:	--
magnet_length[mm]:	1206
current_main[A]:	991.63
NI_main[A.esp]:	11899.56
center_pos_z[mm]:	0
center_pos_x[mm]:	0
rotation[deg]:	0

Particle energy	3 Gev
Trajectory step	0.01 mm
Trajectory x @z=0mm	9.0998 mm
Multipoles grid	[-18 mm, 18 mm]
R0 relative multipoles	17.5 mm

Simulation:
Filename:
2016-11-11_BD_Model09_Sim_X=-80_35mm_Z=-1000_1000mm_I=981.778A.txt

fieldmap_name:	Dipole_Booster_BD_Modelo09
timestamp:	2016-11-11_16-18-19
nr_magnets:	1
magnet_name:	BD_Booster
gap[mm]:	28
control_gap:	--
magnet_length[mm]:	1206
current_main[A]:	981.778
NI_main[A.esp]:	11781.34
center_pos_z[mm]:	0
center_pos_x[mm]:	0
rotation[deg]:	0

Particle energy	3 Gev
Trajectory step	0.01 mm
Trajectory x @z=0mm	9.065 mm
Multipoles grid	[-18 mm, 18 mm]
R0 relative multipoles	17.5 mm

CAMTO Version : 13.0.1