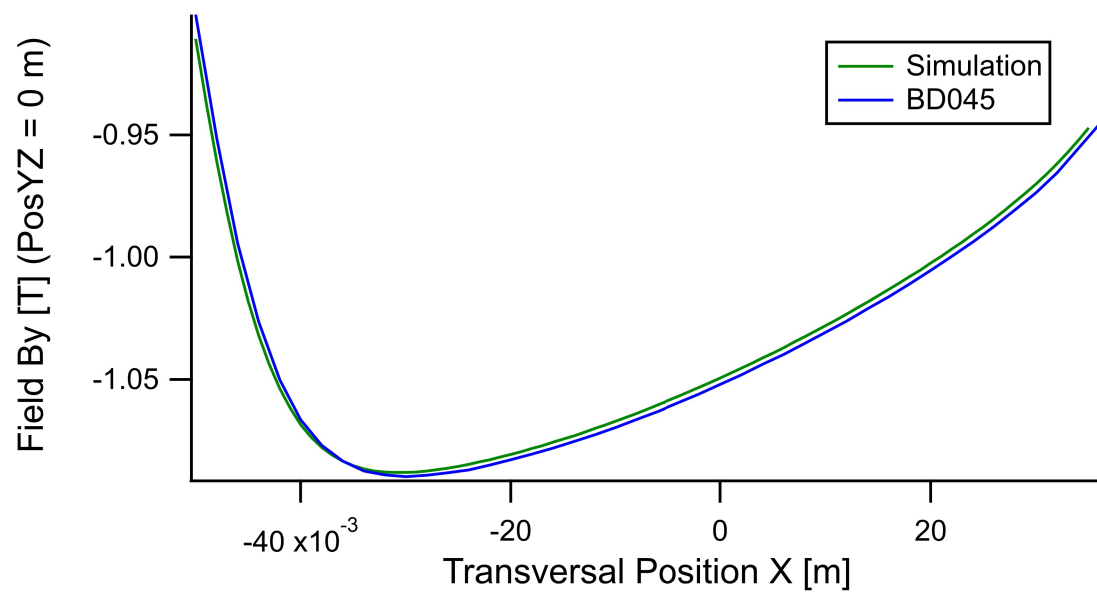
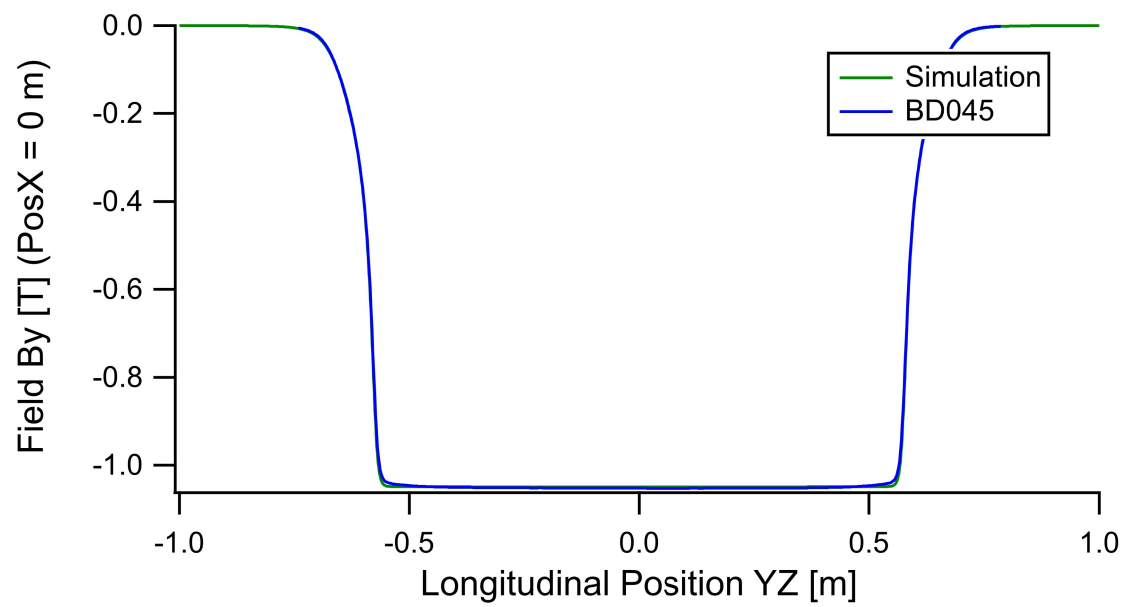


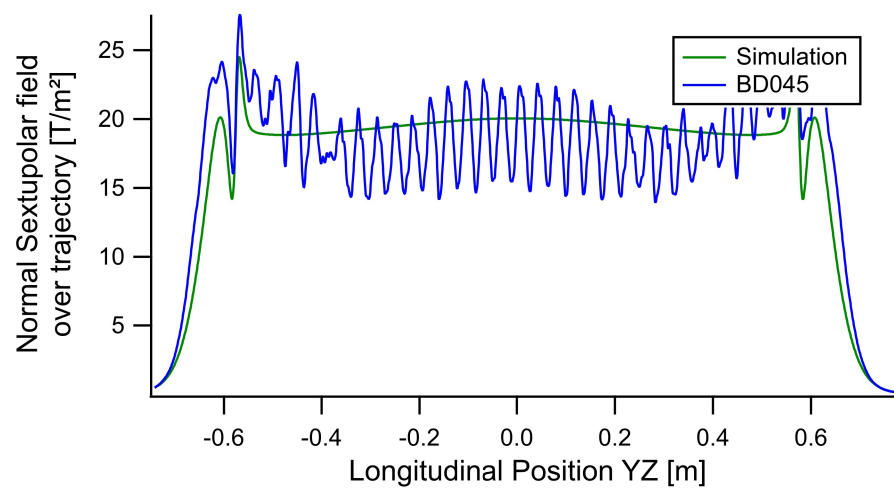
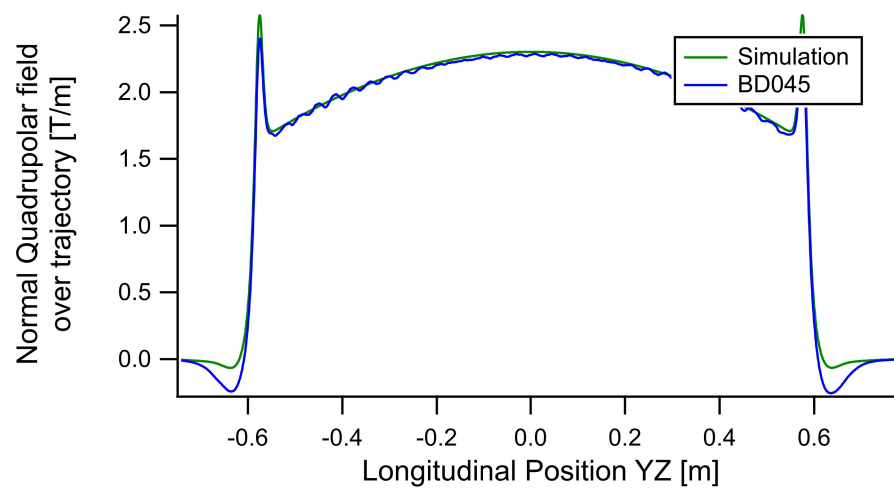
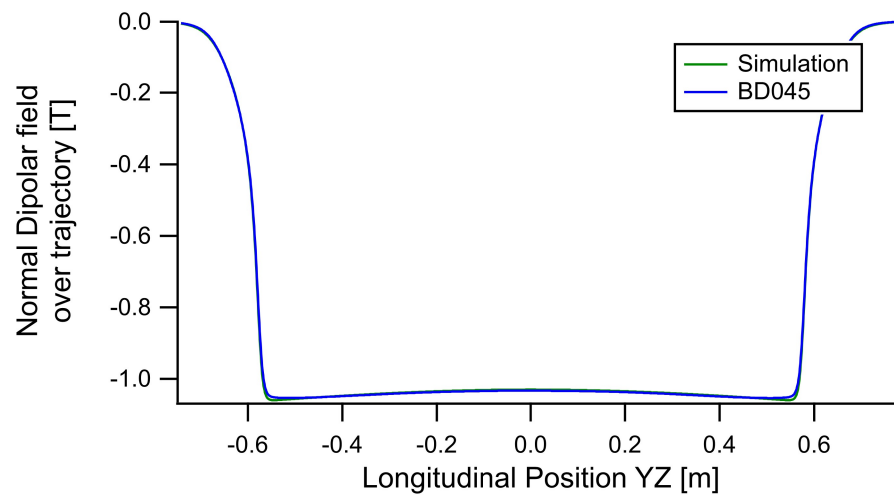
**BD-045****Deflection Angle:**

Horizontal Deflection Angle [°] -7.1917

**Field Profile:**

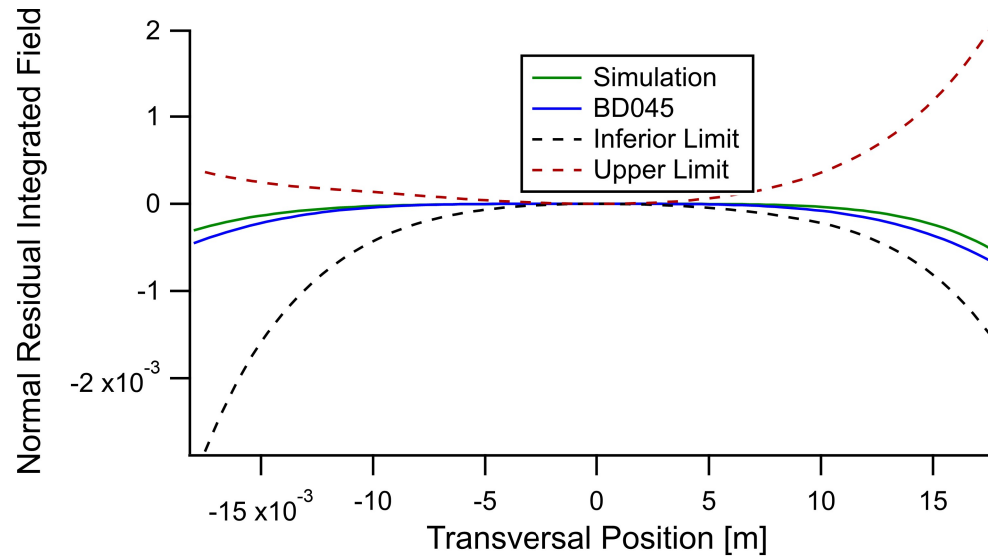
**Integrated Normal Multipoles:**

n	Nominal [ $\text{T.m}^{(1-n)}$ ]	BD045 [ $\text{T.m}^{(1-n)}$ ]	Error [%]
0	-1.2575	-1.2569	-0.0486
1	2.4788	2.4266	-2.1081
2	25.6277	25.8210	0.7544



**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:**

**BD045:**

Filename:

2017-04-04\_BD-045\_Model09\_Hall\_I=991.63A.dat

fieldmap_name:	BD-045
timestamp:	2017-04-04_13-02-33
nr_magnets:	1
magnet_name:	BD-045
gap[mm]:	28
control_gap[mm]:	--
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	9.1207 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