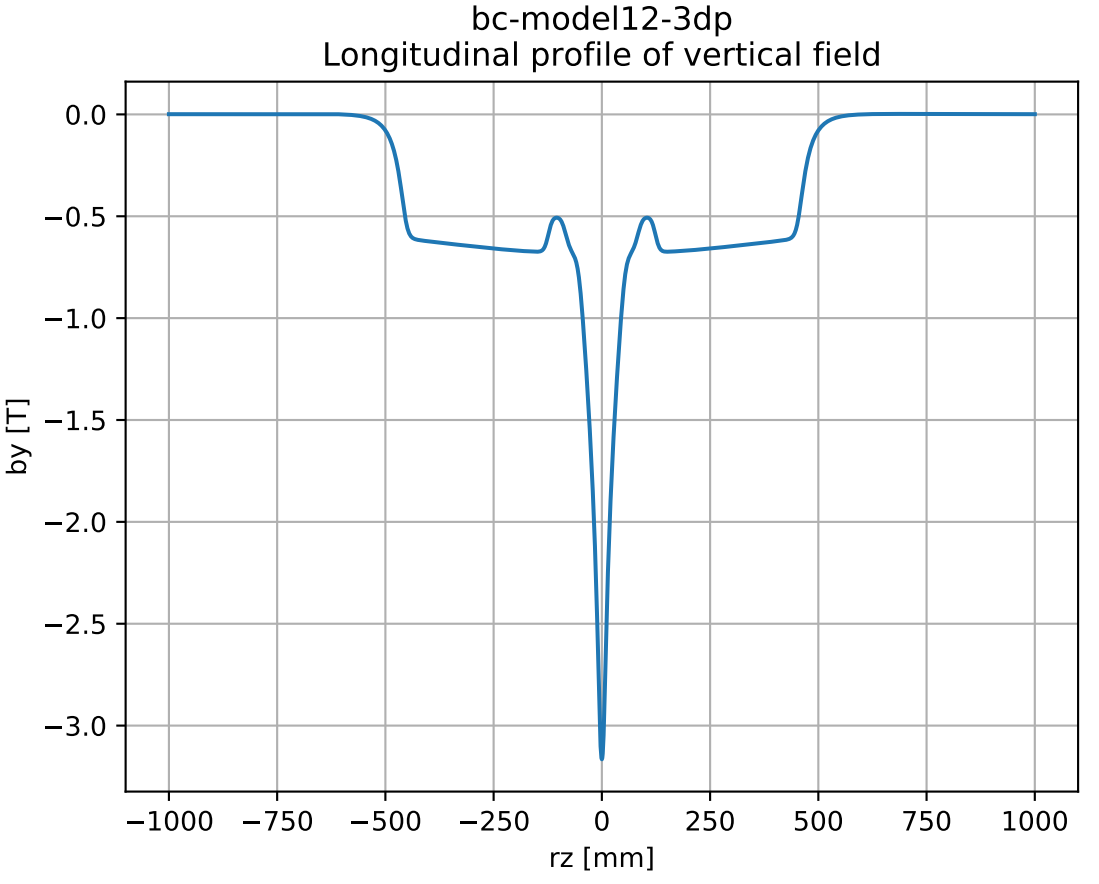
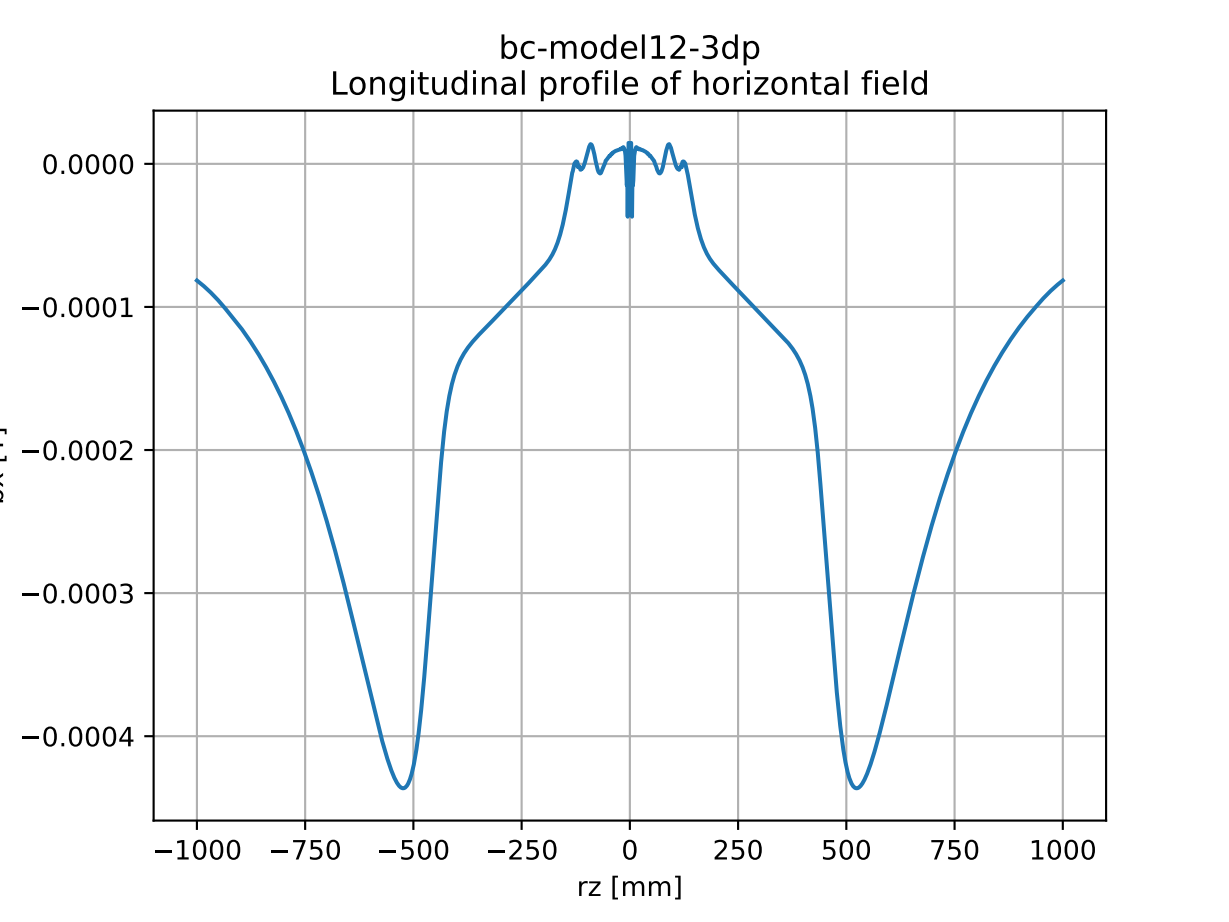
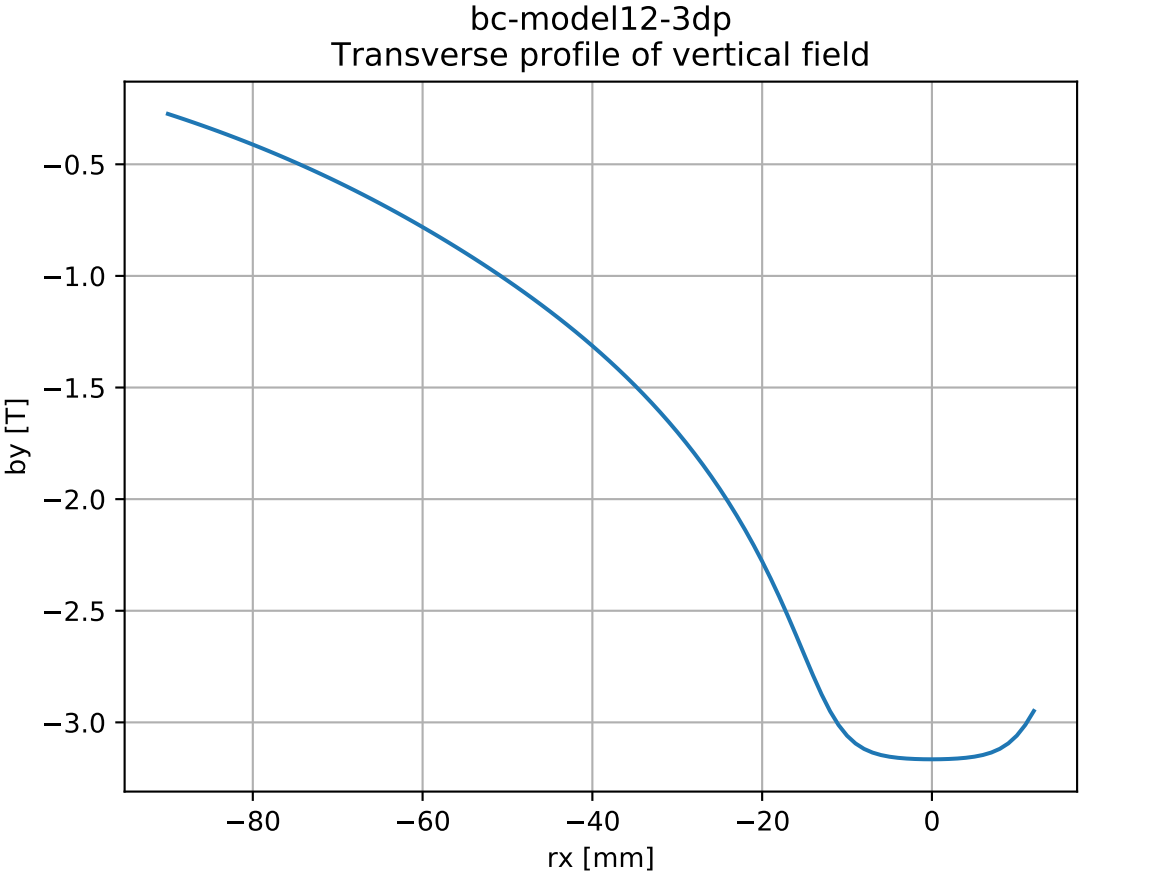
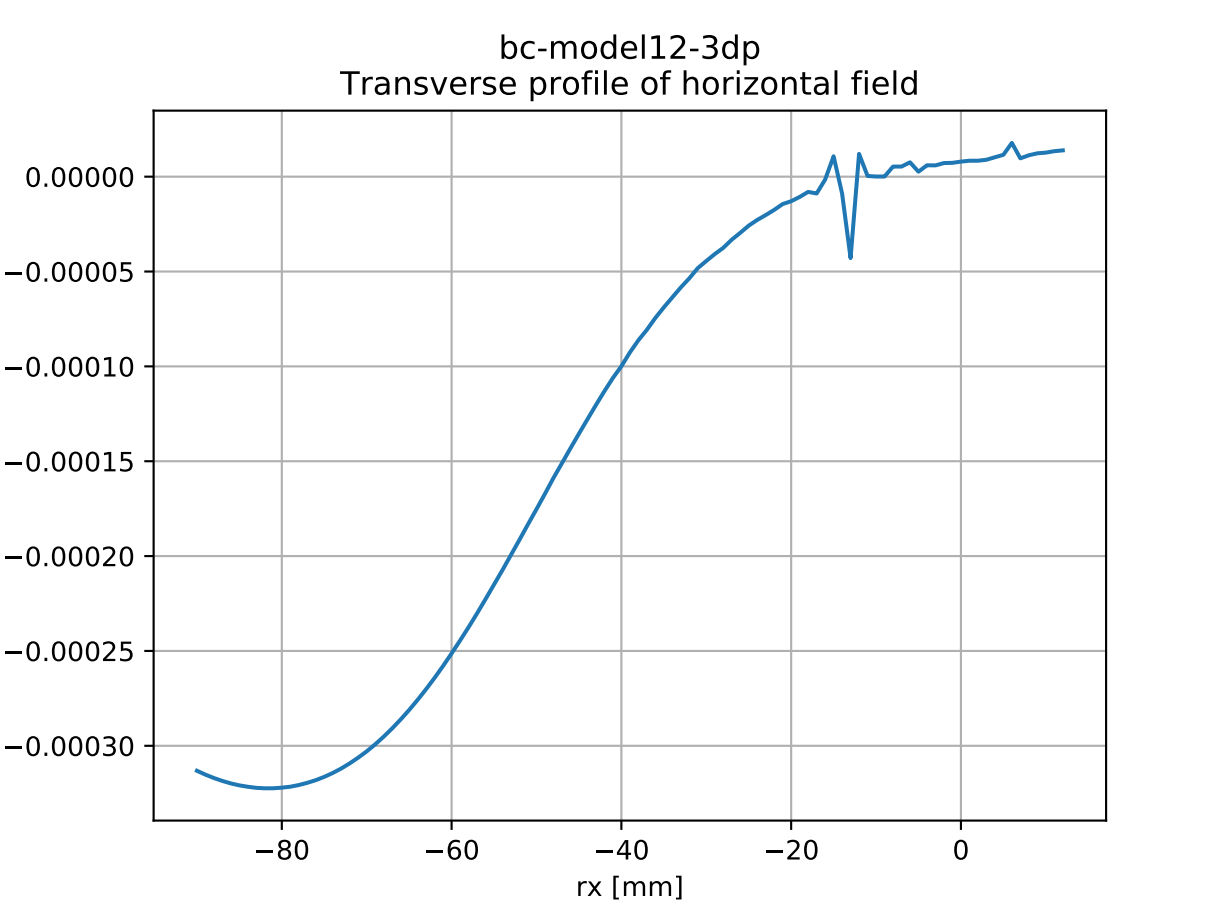
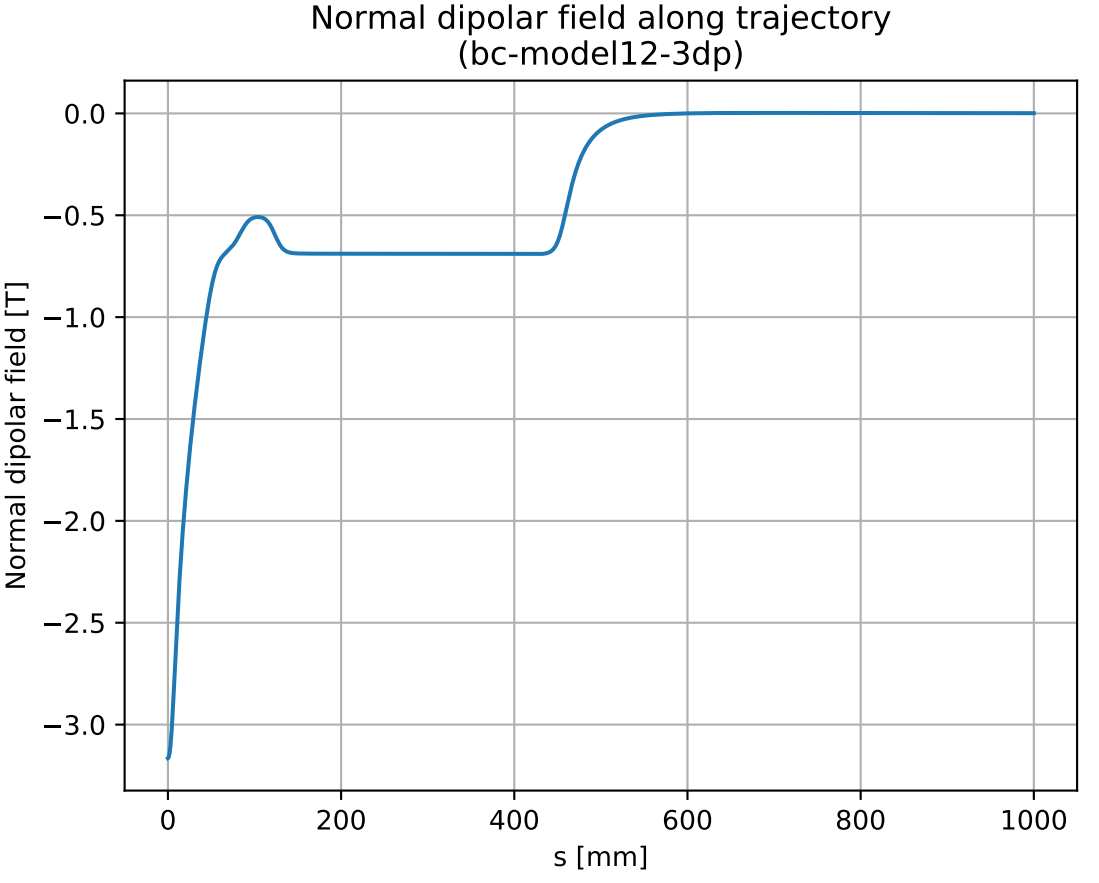
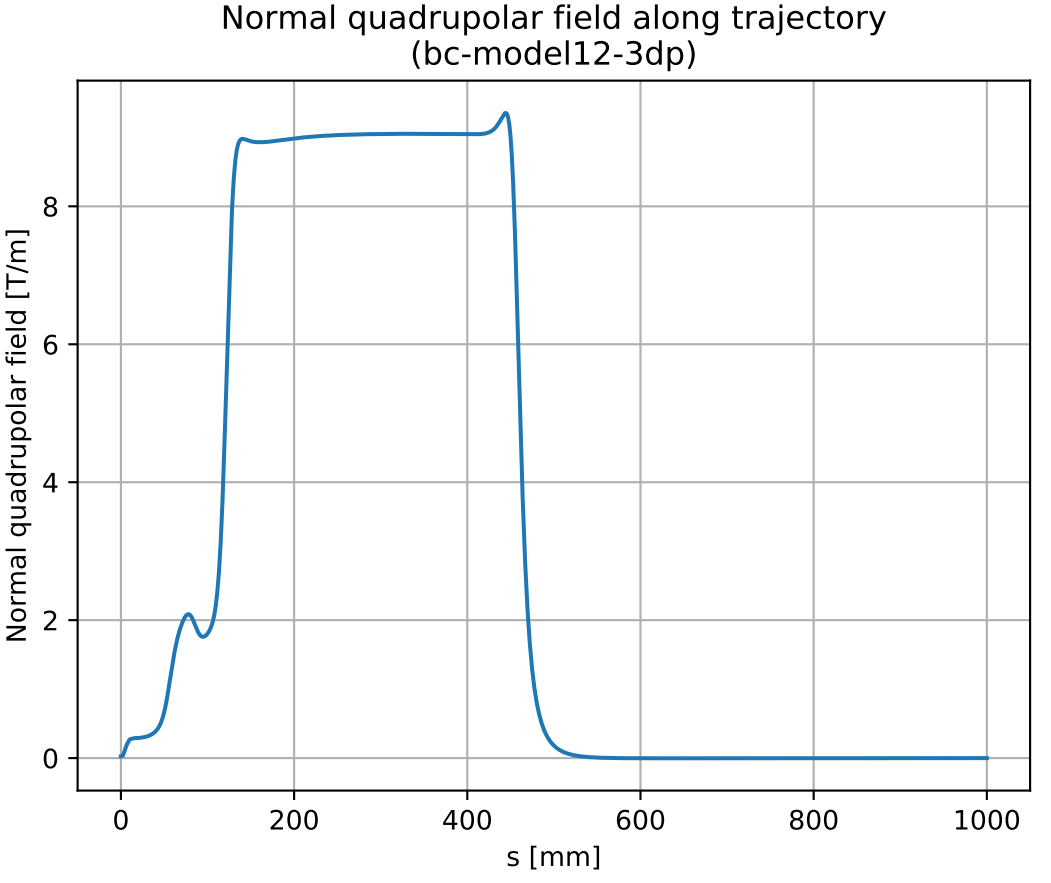

bc-model12-3dp
Longitudinal profile of vertical field
by [T]
rz [mm]
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−1000
−750
−500
−250
0
250
500
750
1000

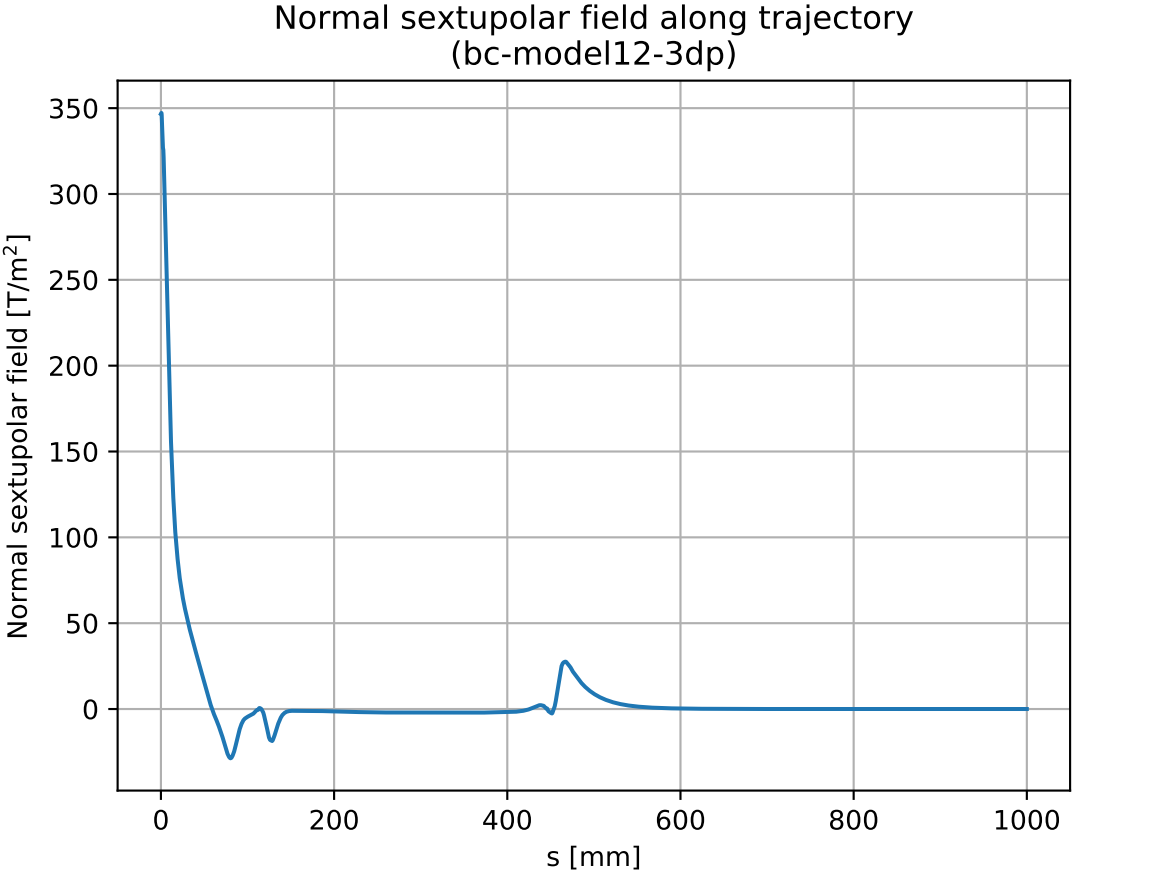

bc-model12-3dp
Longitudinal profile of horizontal field
0.0000
−0.0001
−0.0002
−0.0003
−0.0004
−1000
−750
−500
−250
0
250
500
750
1000
rz [mm]

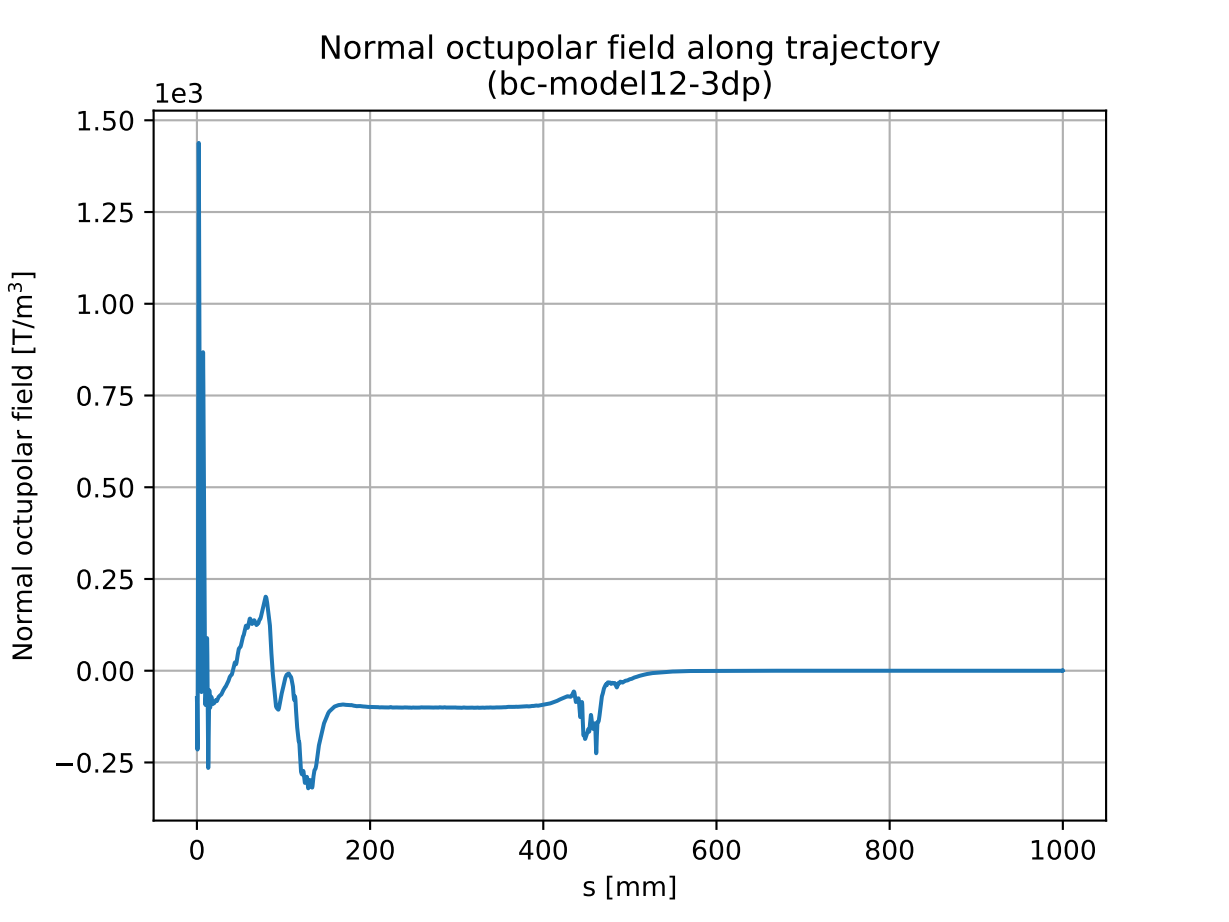

bc-model12-3dp
Transverse profile of vertical field
by [T]
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−80
−60
−40
−20
0
rx [mm]

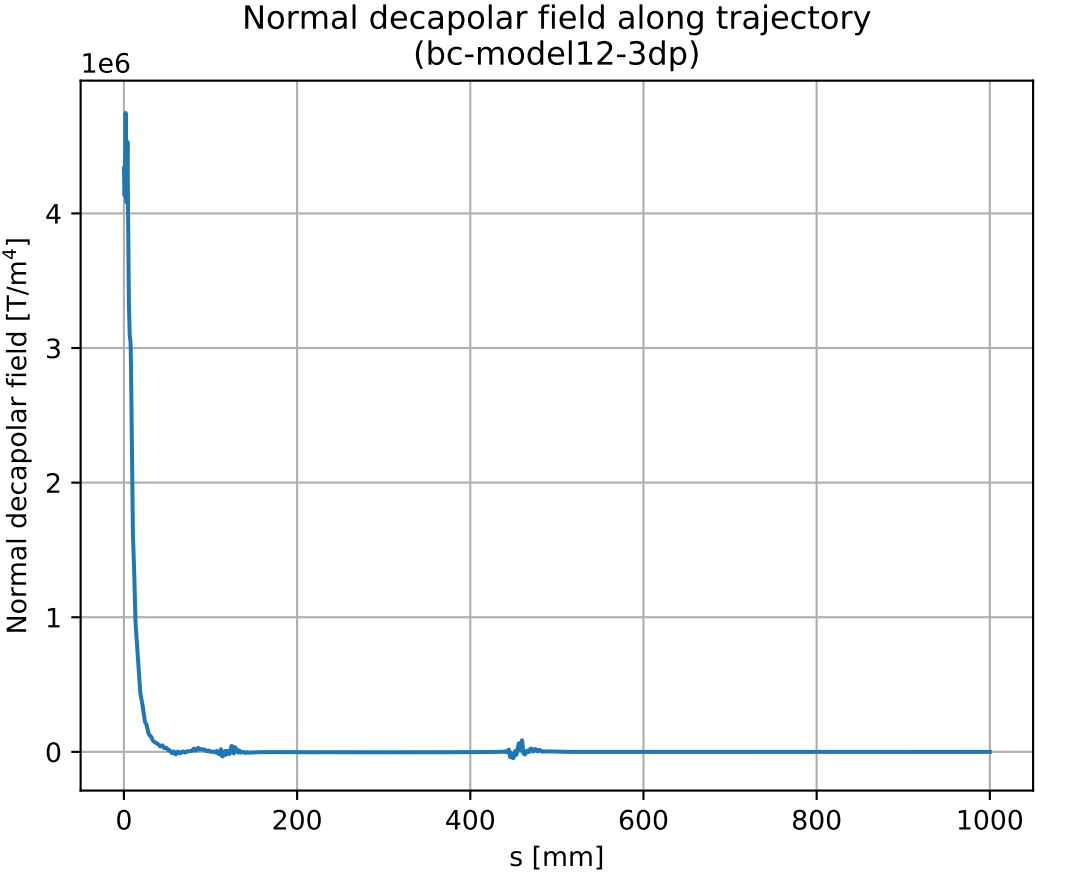

bc-model12-3dp
Transverse profile of horizontal field
0.00000
−0.00005
−0.00010
−0.00015
−0.00020
−0.00025
−0.00030
−80
−60
−40
−20
0
rx [mm]

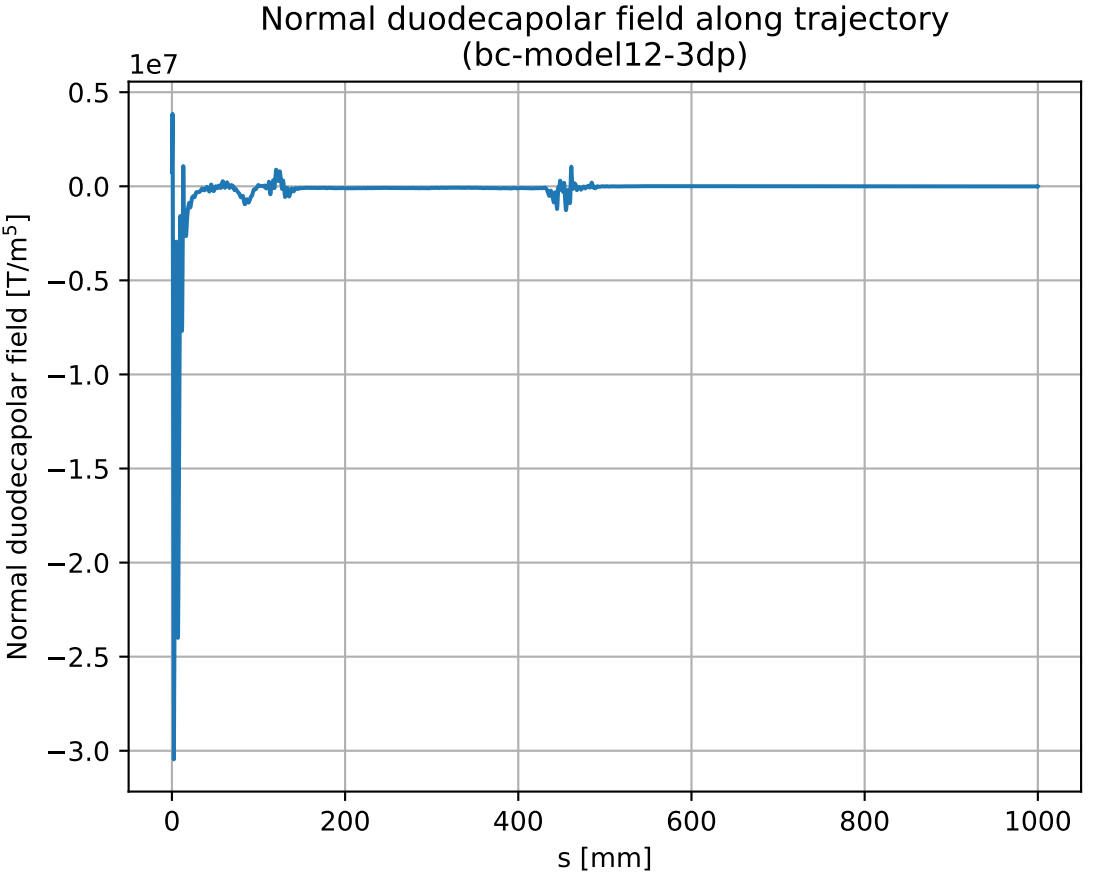

Normal dipolar field along trajectory
(bc-model12-3dp)
Normal dipolar field [T]
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
0
200
400
600
800
1000
s [mm]

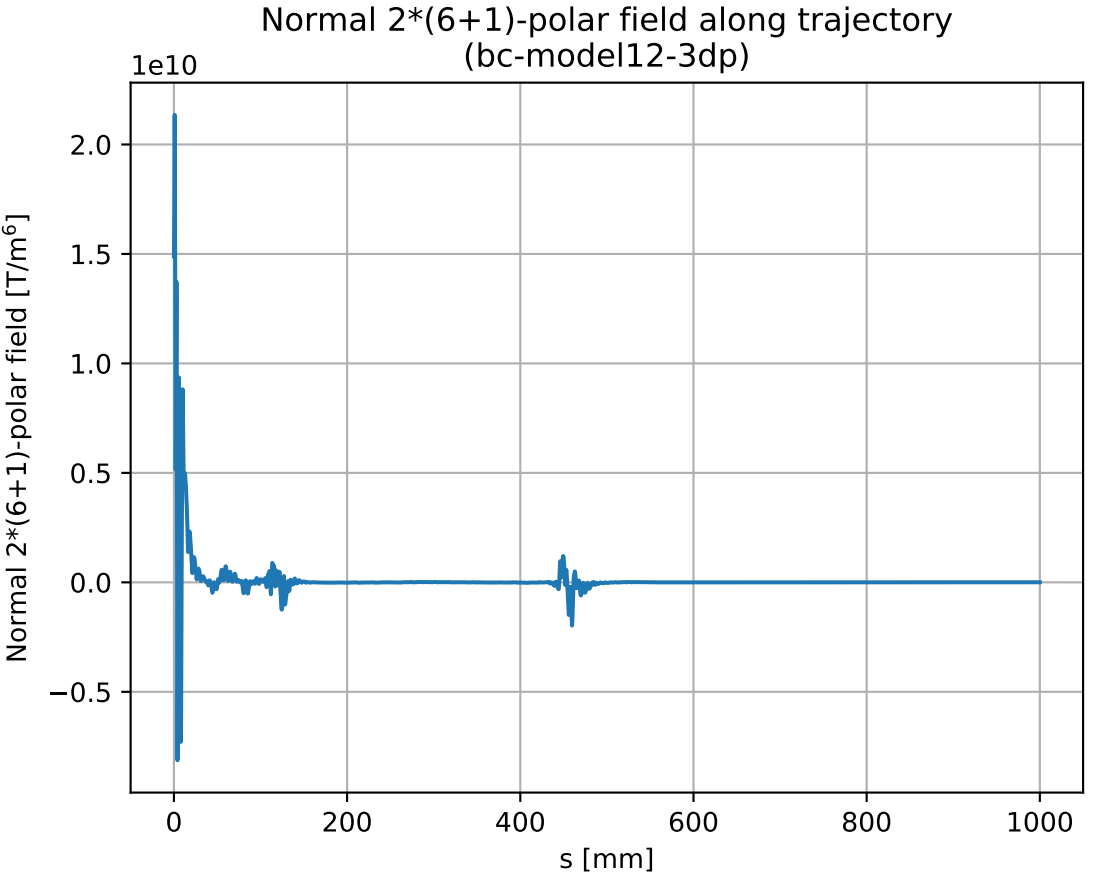

Normal quadrupolar field along trajectory
(bc-model12-3dp)
Normal quadrupolar field [T/m]
0
2
4
6
8
0
200
400
600
800
1000
s [mm]

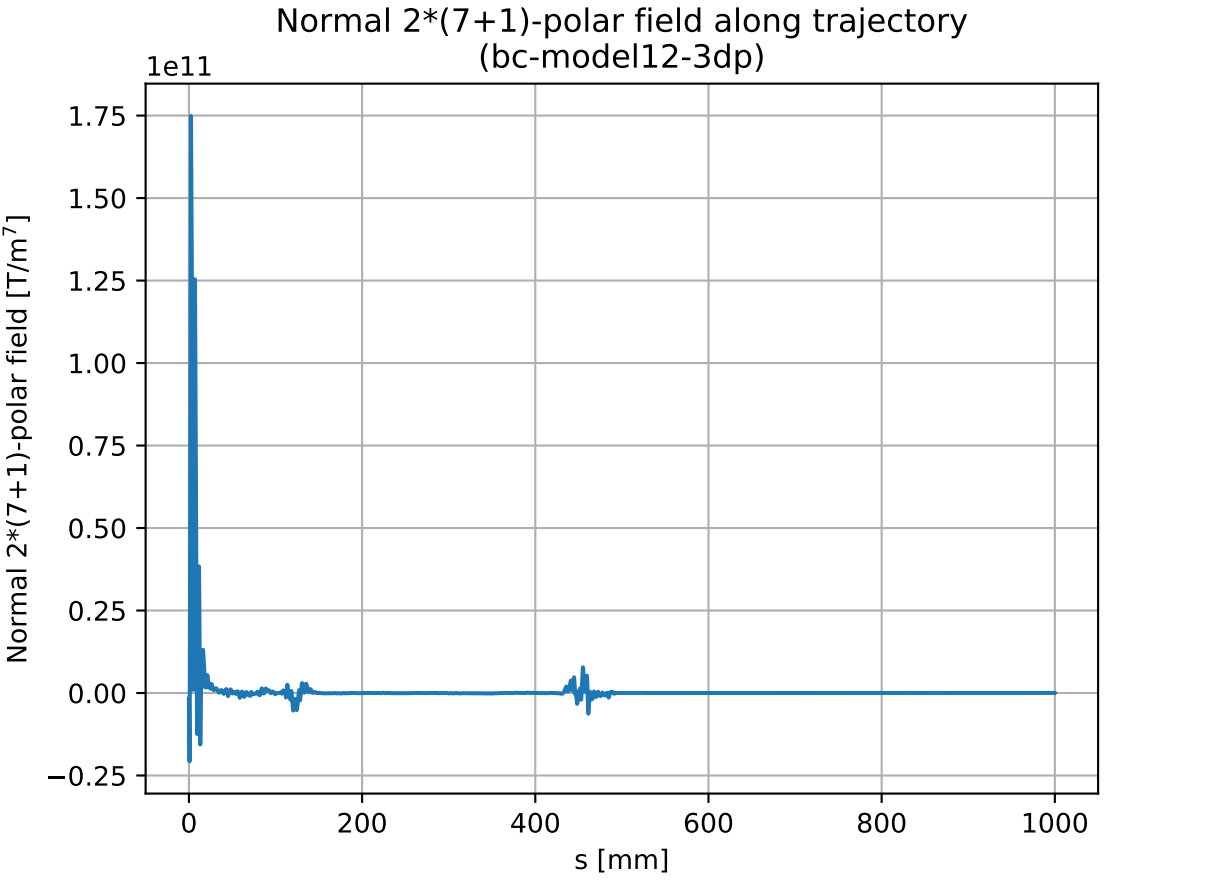

Normal sextupolar field along trajectory
(bc-model12-3dp)
Normal sextupolar field [T/m^2]
350
300
250
200
150
100
50
0
0
200
400
600
800
1000
s [mm]

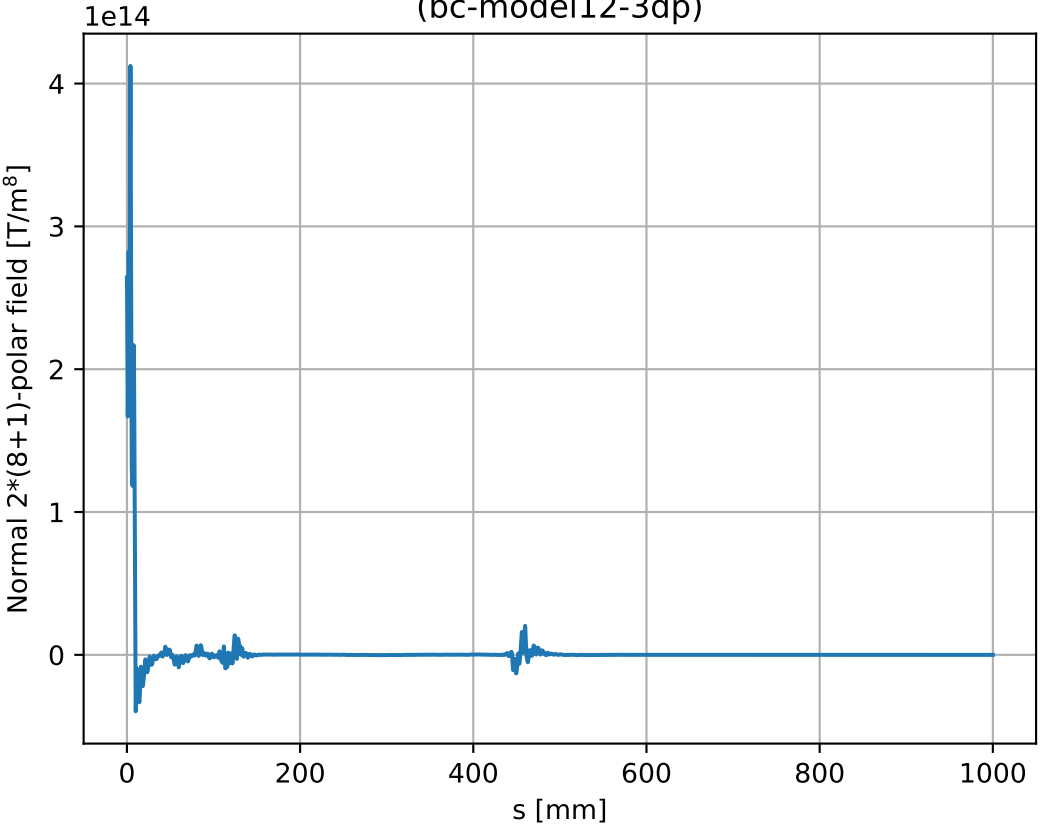

Normal octupolar field along trajectory
(bc-model12-3dp)
1e3
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
Normal octupolar field [T/m^3]
0
200
400
600
800
1000
s [mm]

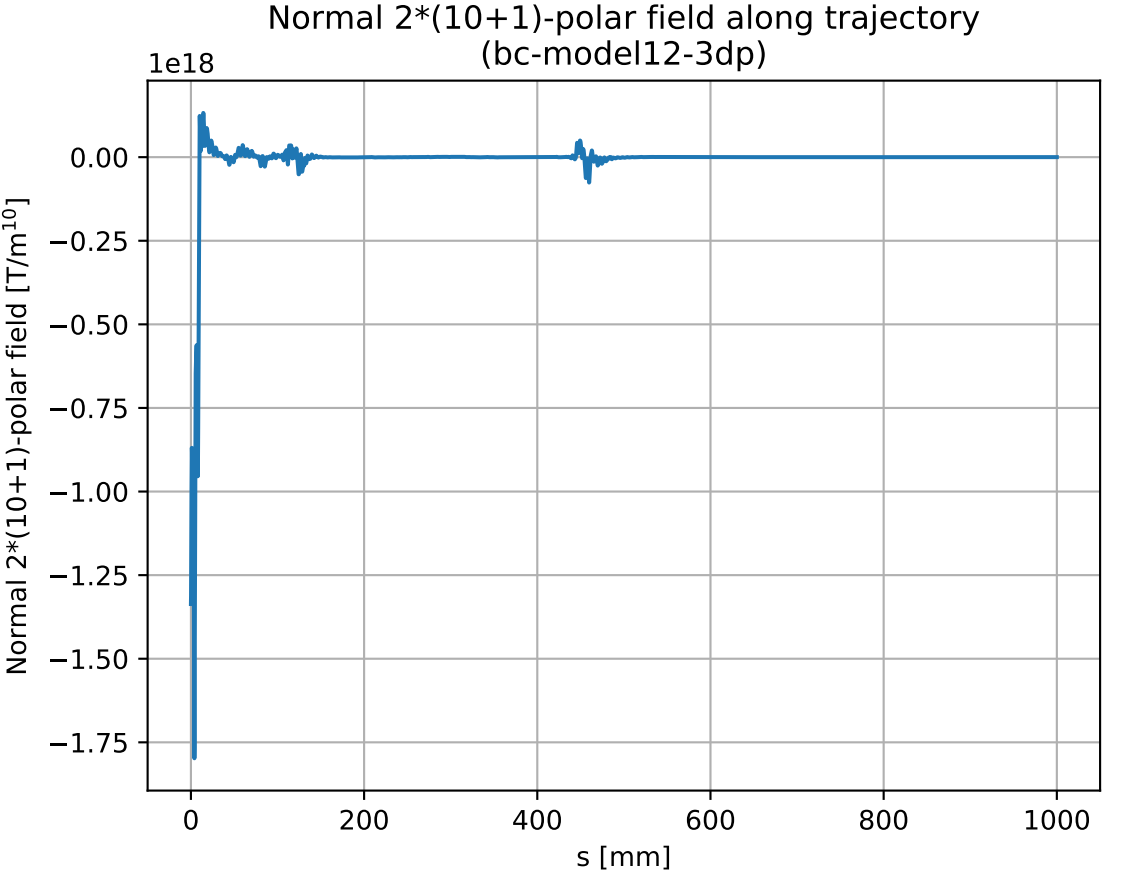

Normal decapolar field along trajectory
(bc-model12-3dp)
1e6
Normal decapolar field [T/m^4]
4
3
2
1
0
0
200
400
600
800
1000
s [mm]

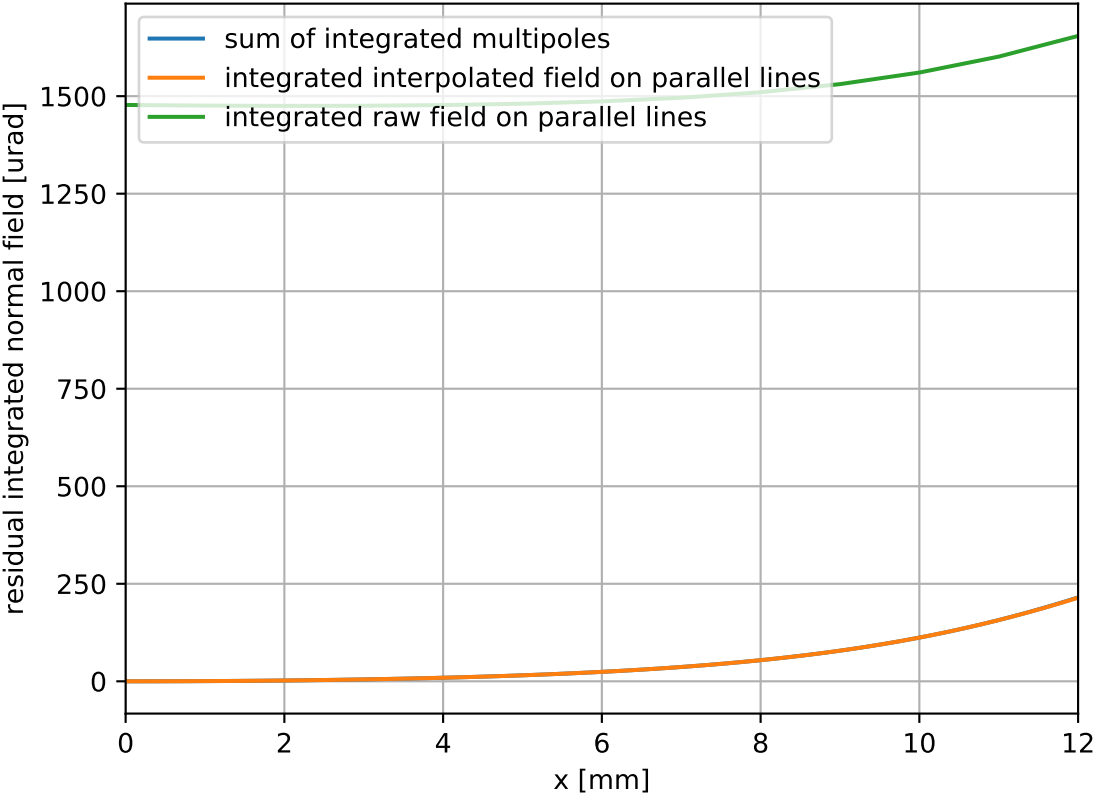

Normal duodecapolar field along trajectory
(bc-model12-3dp)
1e7
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
Normal duodecapolar field [T/m^5]
0
200
400
600
800
1000
s [mm]


Normal 2*(6+1)-polar field along trajectory
(bc-model12-3dp)
1e10
2.0
1.5
1.0
0.5
0.0
−0.5
Normal 2*(6+1)-polar field [T/m^6]
0
200
400
600
800
1000
s [mm]


Normal 2*(7+1)-polar field along trajectory
(bc-model12-3dp)
1e11
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
Normal 2*(7+1)-polar field [T/m^7]
0
200
400
600
800
1000
s [mm]


Normal 2*(8+1)-polar field along trajectory
(bc-model12-3dp)
1e14
Normal 2*(8+1)-polar field [T/m^8]
4
3
2
1
0
0
200
400
600
800
1000
s [mm]


Normal 2*(10+1)-polar field along trajectory
(bc-model12-3dp)
1e18
0.00
−0.25
−0.50
−0.75
−1.00
−1.25
−1.50
−1.75
Normal 2*(10+1)-polar field [T/m^10]
0
200
400
600
800
1000
s [mm]


sum of integrated multipoles
integrated interpolated field on parallel lines
integrated raw field on parallel lines
residual integrated normal field [urad]
1500
1250
1000
750
500
250
0
0
2
4
6
8
10
12
x [mm]