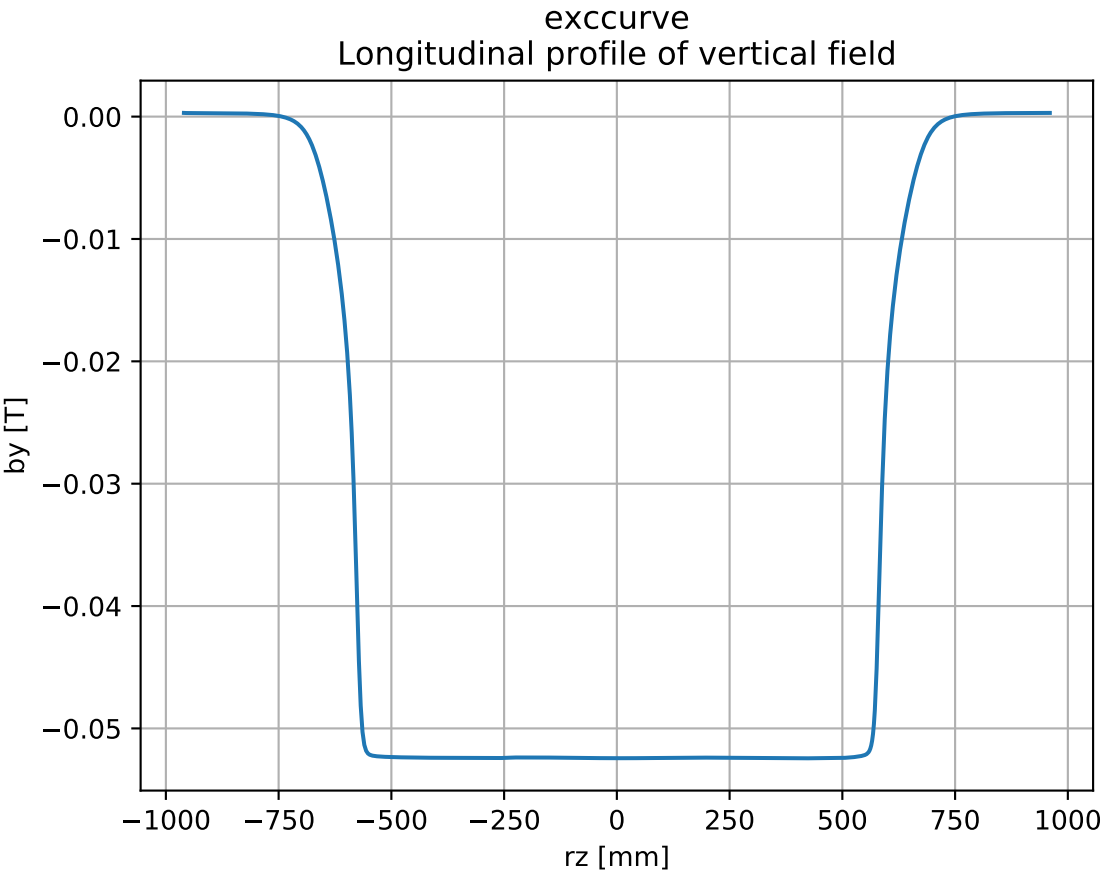
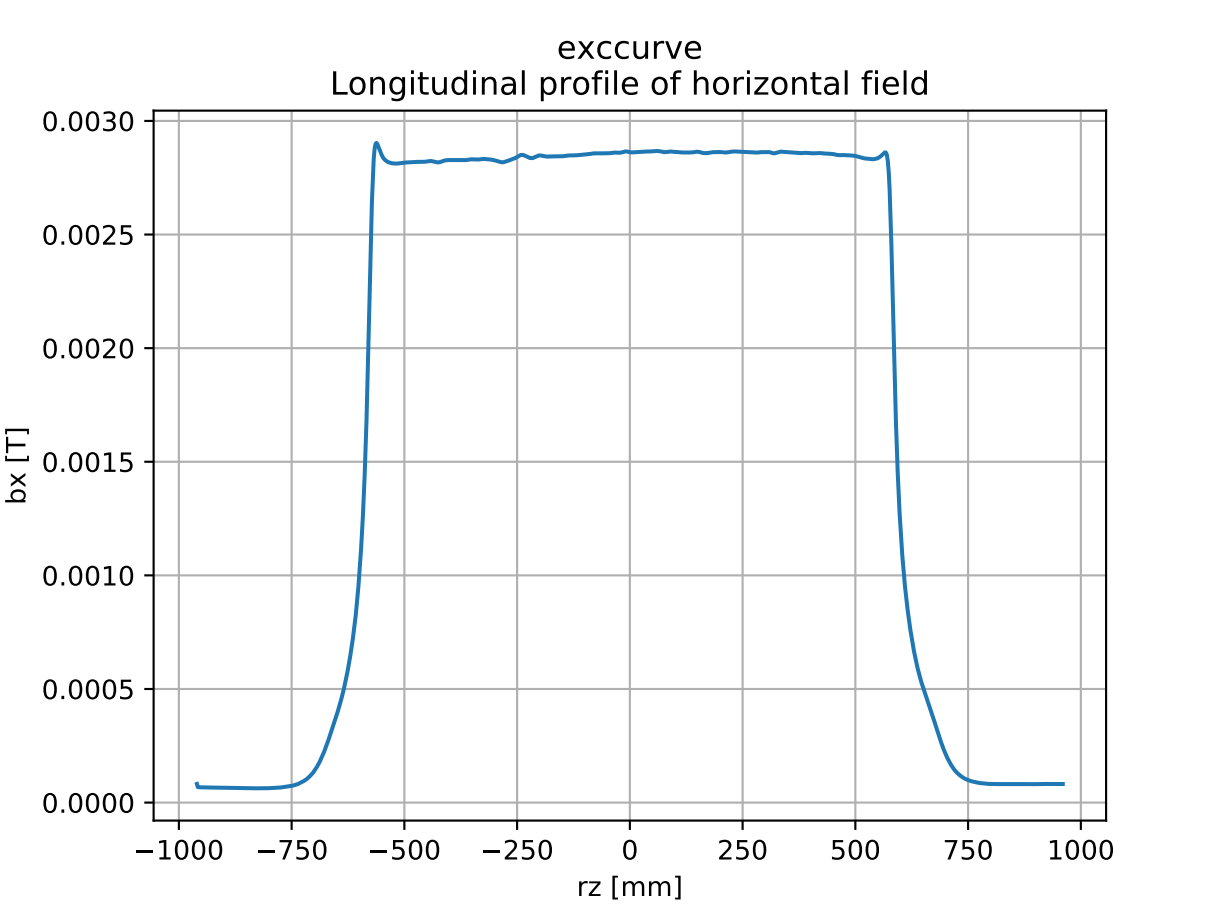
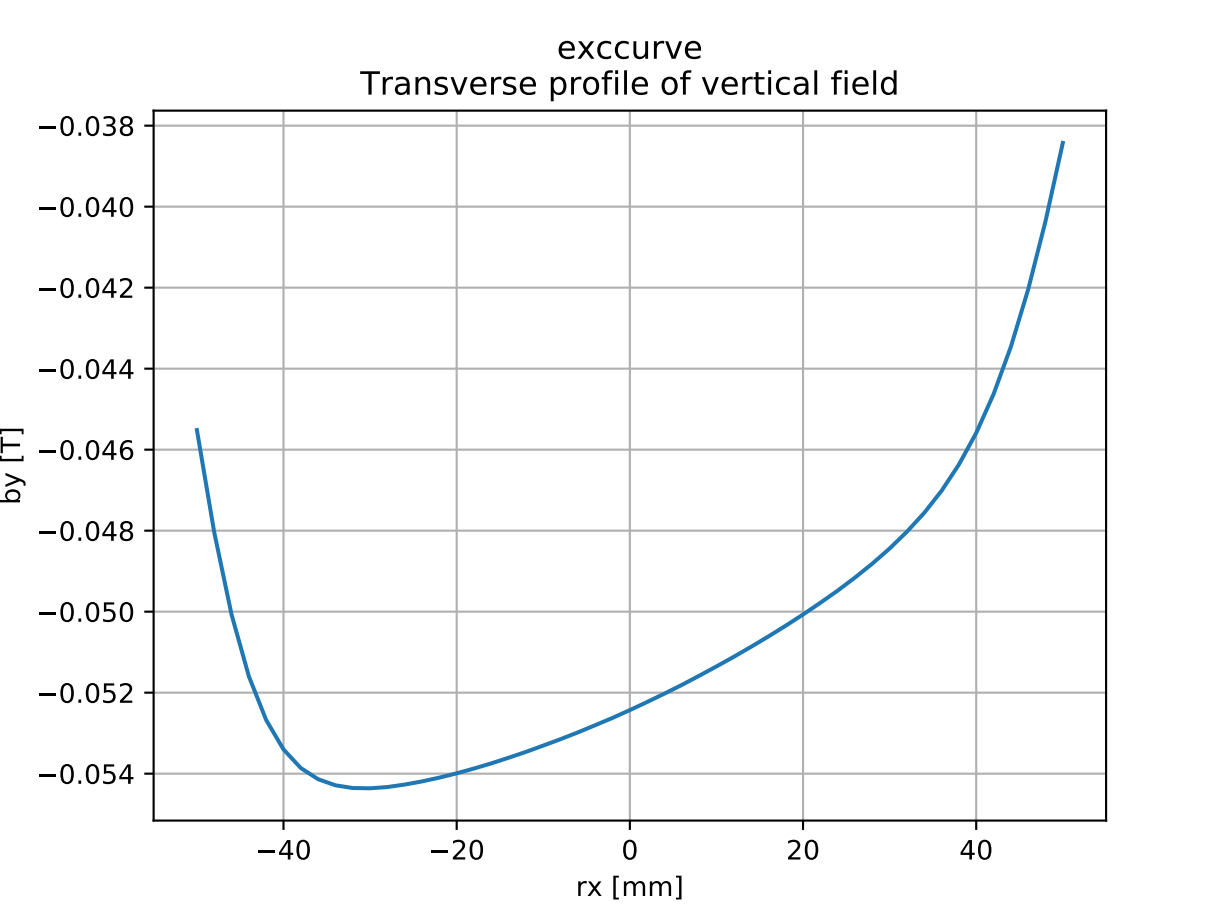
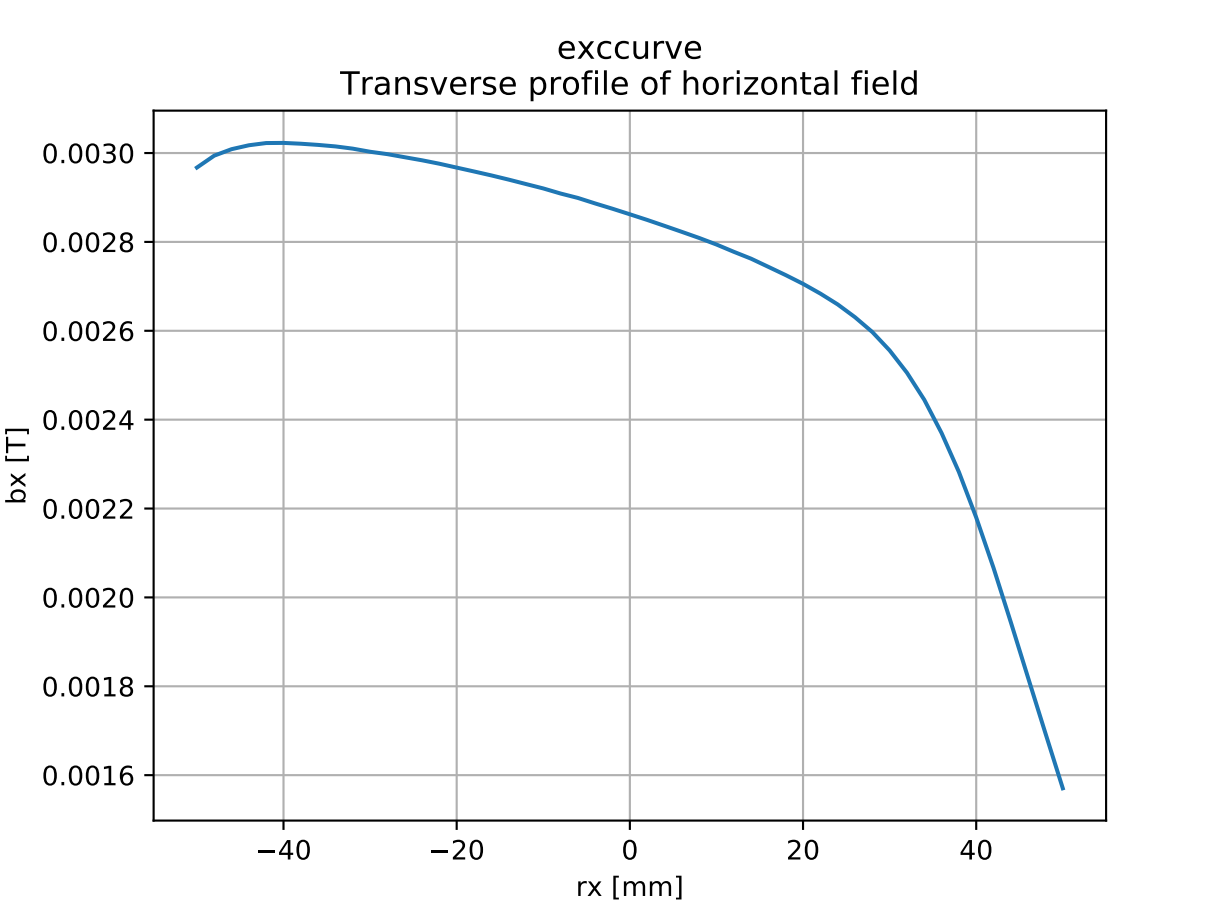
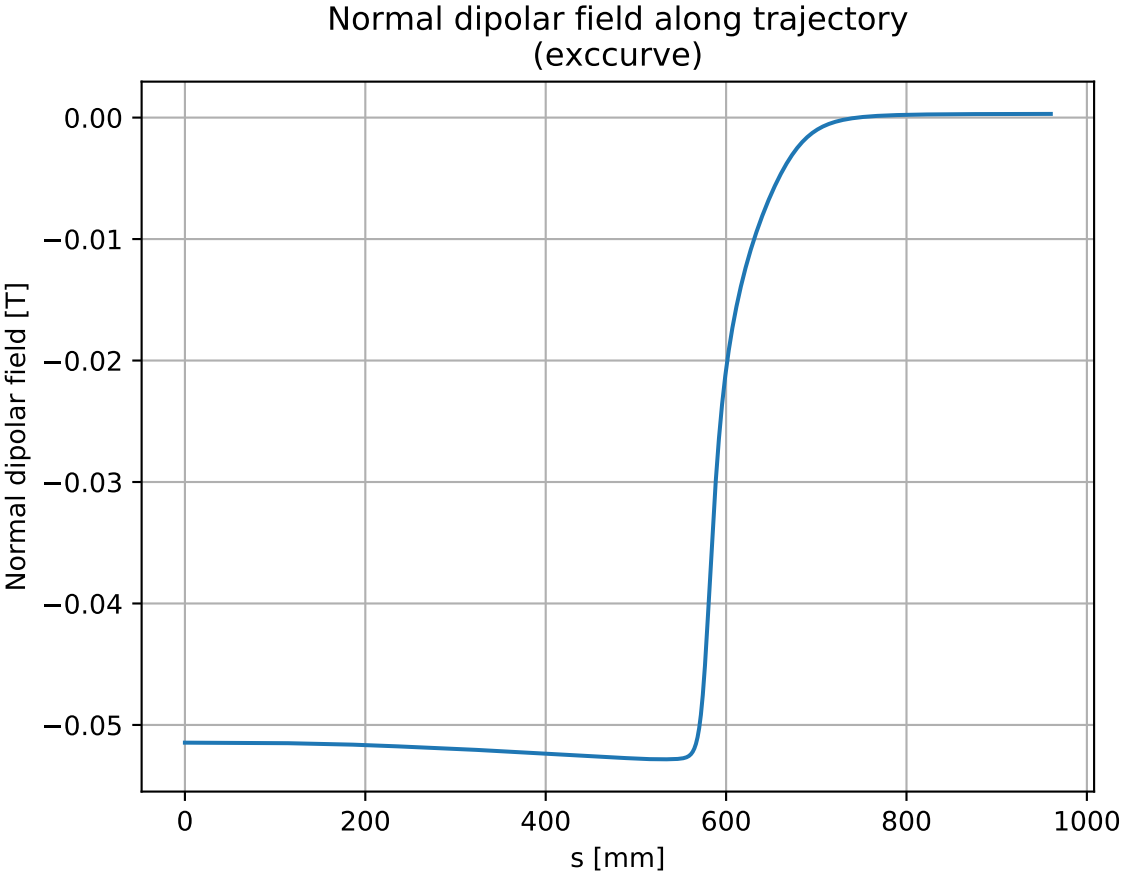
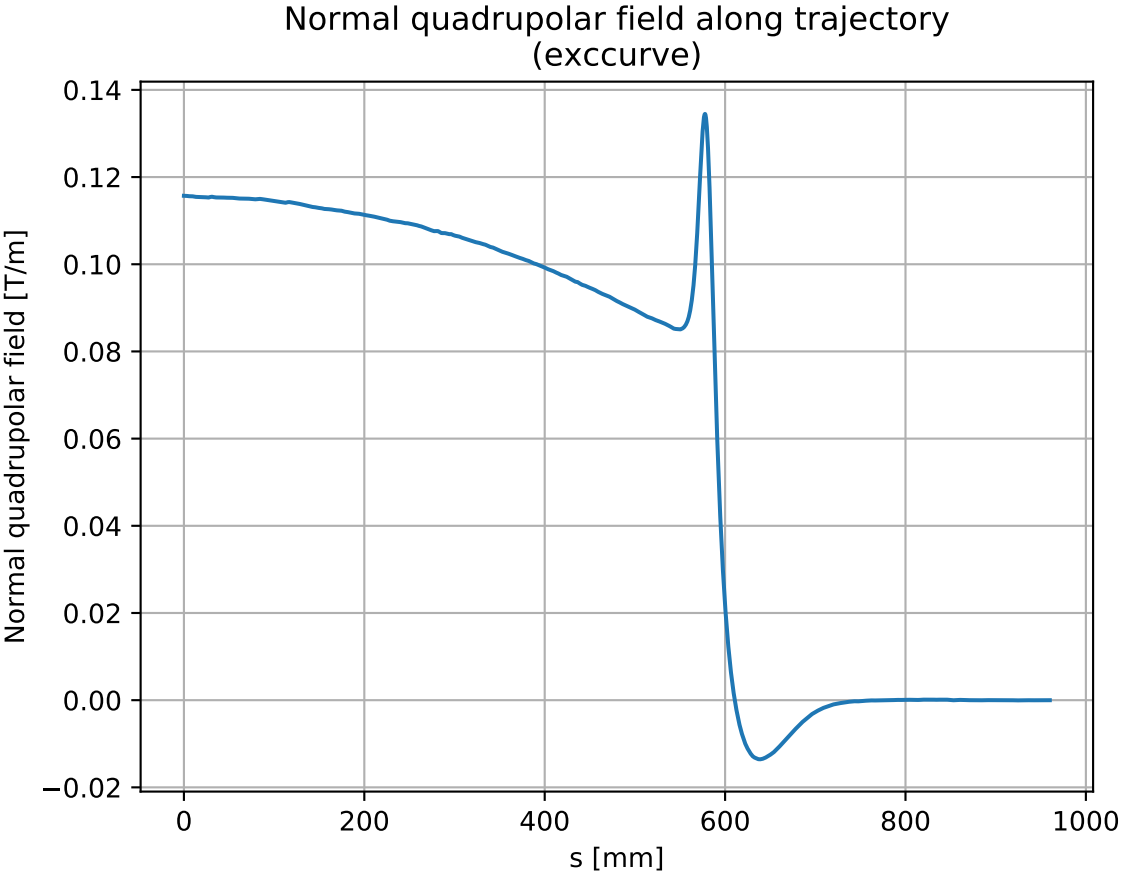

exccurve
Longitudinal profile of vertical field
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
by [T]
−1000
−750
−500
−250
0
250
500
750
1000
rz [mm]

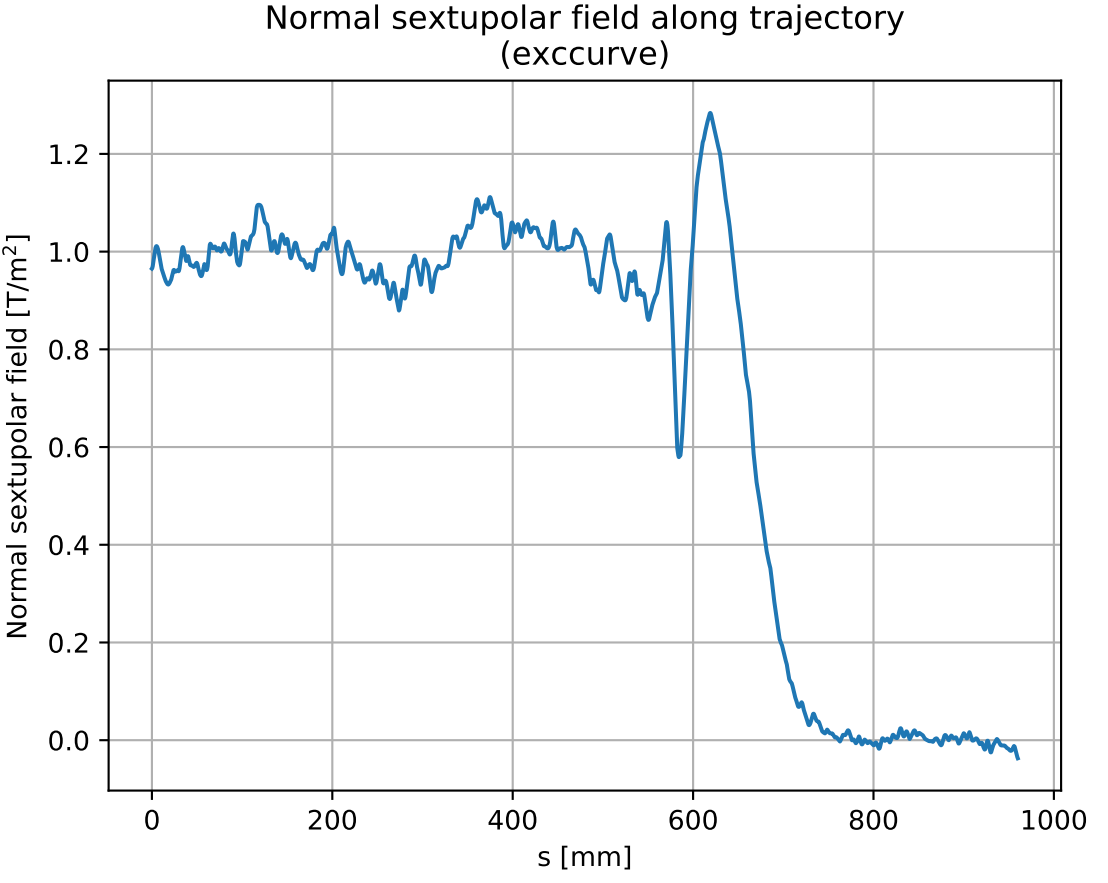

exccurve
Longitudinal profile of horizontal field
0.0030
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
bx [T]
−1000
−750
−500
−250
0
250
500
750
1000
rz [mm]

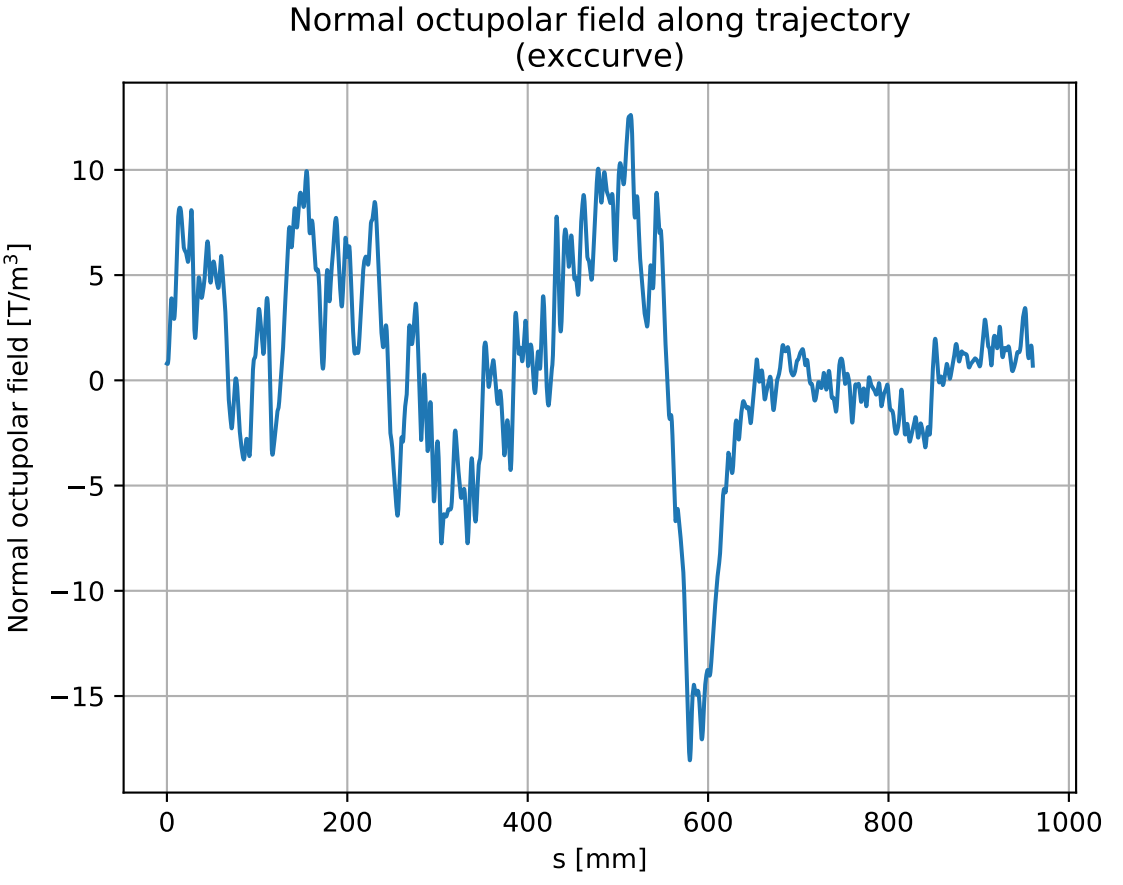

exccurve
Transverse profile of vertical field
−0.038
−0.040
−0.042
−0.044
−0.046
−0.048
−0.050
−0.052
−0.054
by [T]
−40
−20
0
20
40
rx [mm]

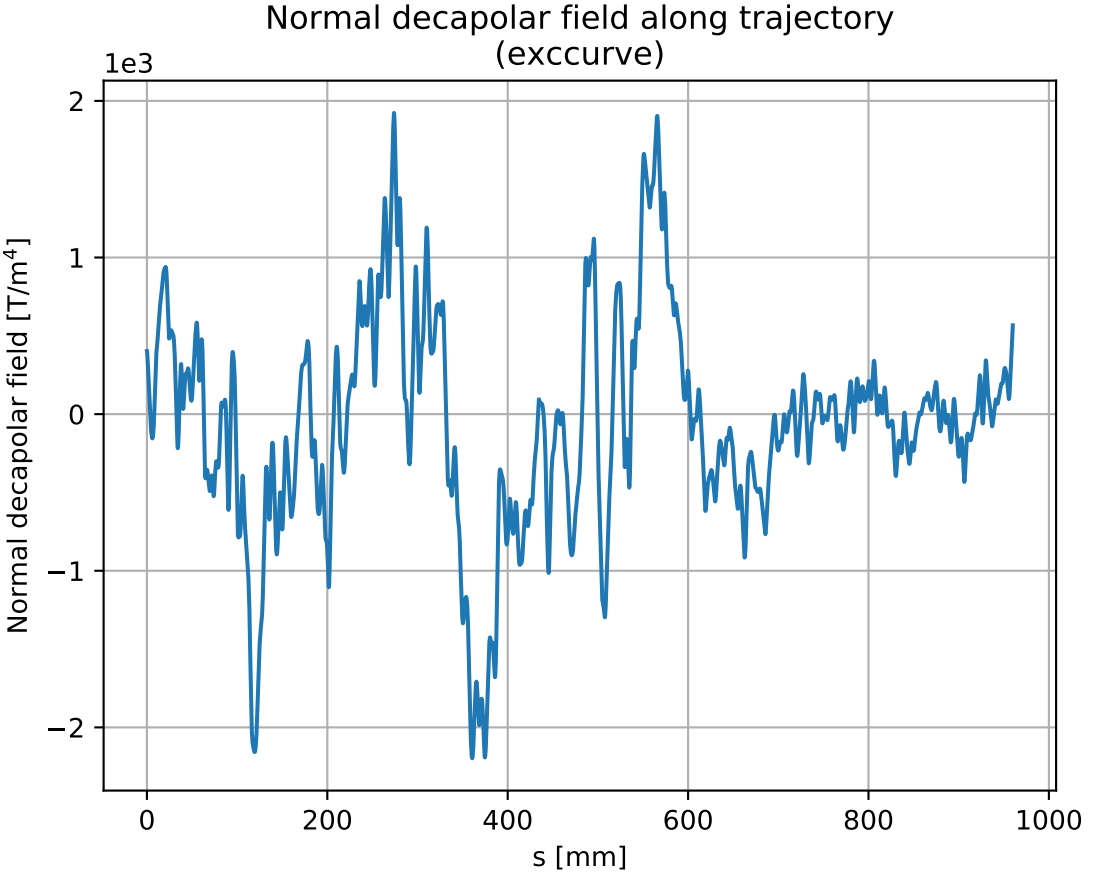

exccurve
Transverse profile of horizontal field
0.0030
0.0028
0.0026
0.0024
0.0022
0.0020
0.0018
0.0016
bx [T]
−40
−20
0
20
40
rx [mm]

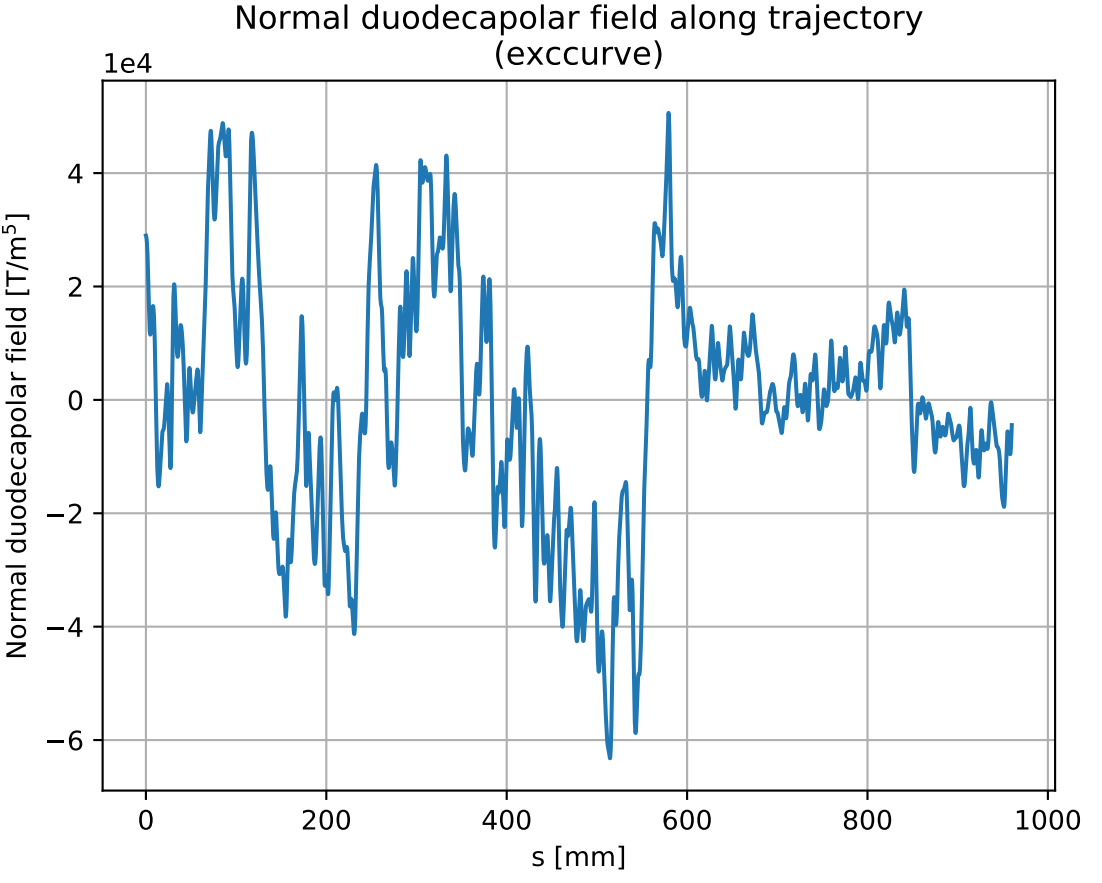

Normal dipolar field along trajectory
(exccurve)
Normal dipolar field [T]
0.00
−0.01
−0.02
−0.03
−0.04
−0.05
0
200
400
600
800
1000
s [mm]

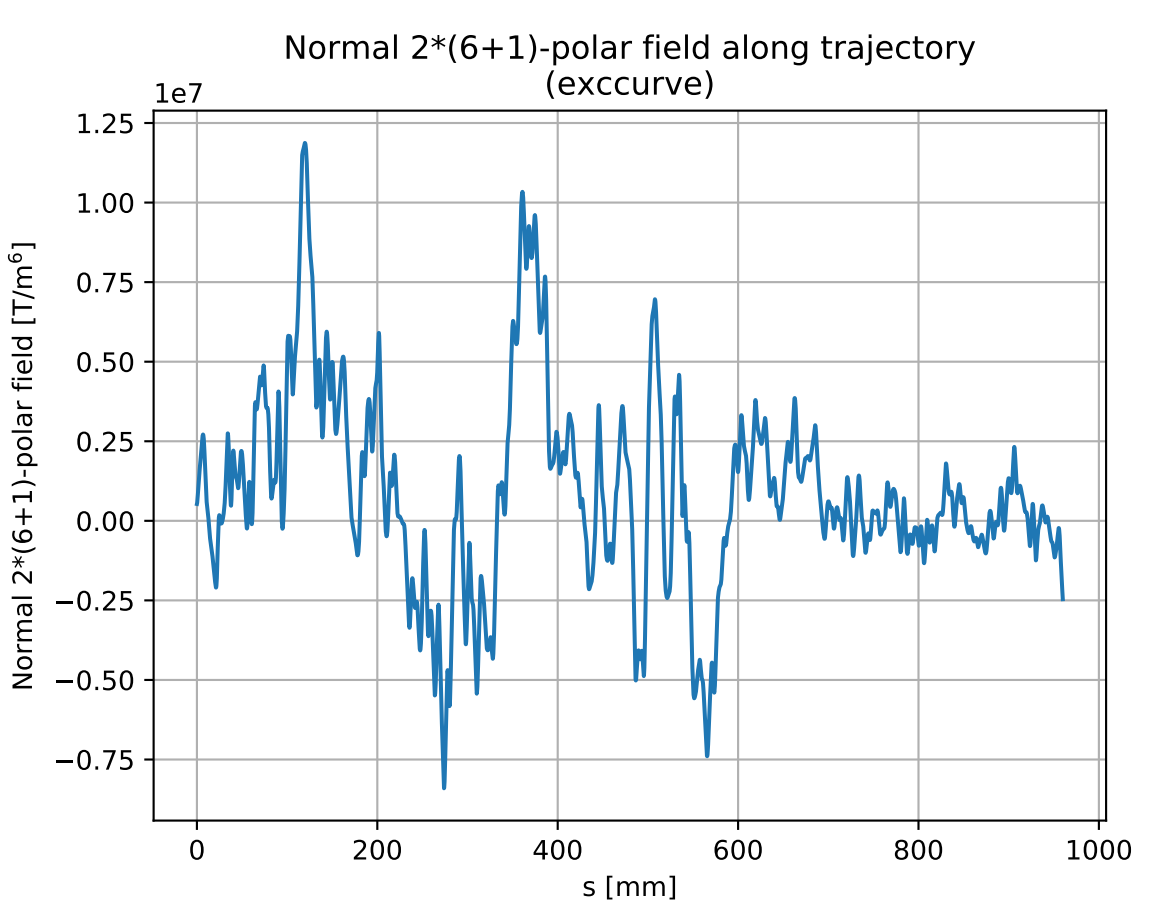

Normal quadrupolar field along trajectory
(exccurve)
Normal quadrupolar field [T/m]
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
0
200
400
600
800
1000
s [mm]

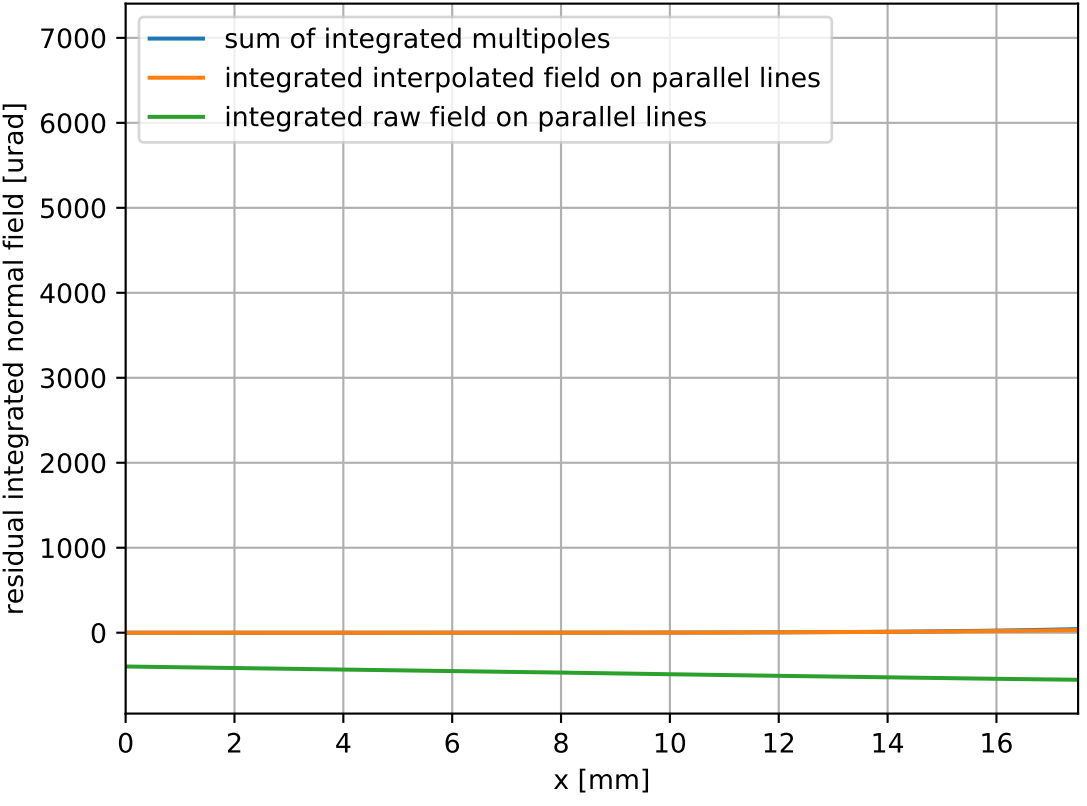

Normal sextupolar field along trajectory
(exccurve)
Normal sextupolar field [T/m^2]
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
s [mm]


Normal octupolar field along trajectory
(exccurve)
Normal octupolar field [T/m^3]
10
5
0
−5
−10
−15
0
200
400
600
800
1000
s [mm]


Normal decapolar field along trajectory
(exccurve)
1e3
2
1
0
−1
−2
Normal decapolar field [T/m^4]
0
200
400
600
800
1000
s [mm]


Normal duodecapolar field along trajectory
(exccurve)
1e4
Normal duodecapolar field [T/m^5]
4
2
0
−2
−4
−6
0
200
400
600
800
1000
s [mm]


Normal 2*(6+1)-polar field along trajectory
(exccurve)
1e7
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
Normal 2*(6+1)-polar field [T/m^6]
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]
7000
6000
5000
4000
3000
2000
1000
0
0
2
4
6
8
10
12
14
16
x [mm]