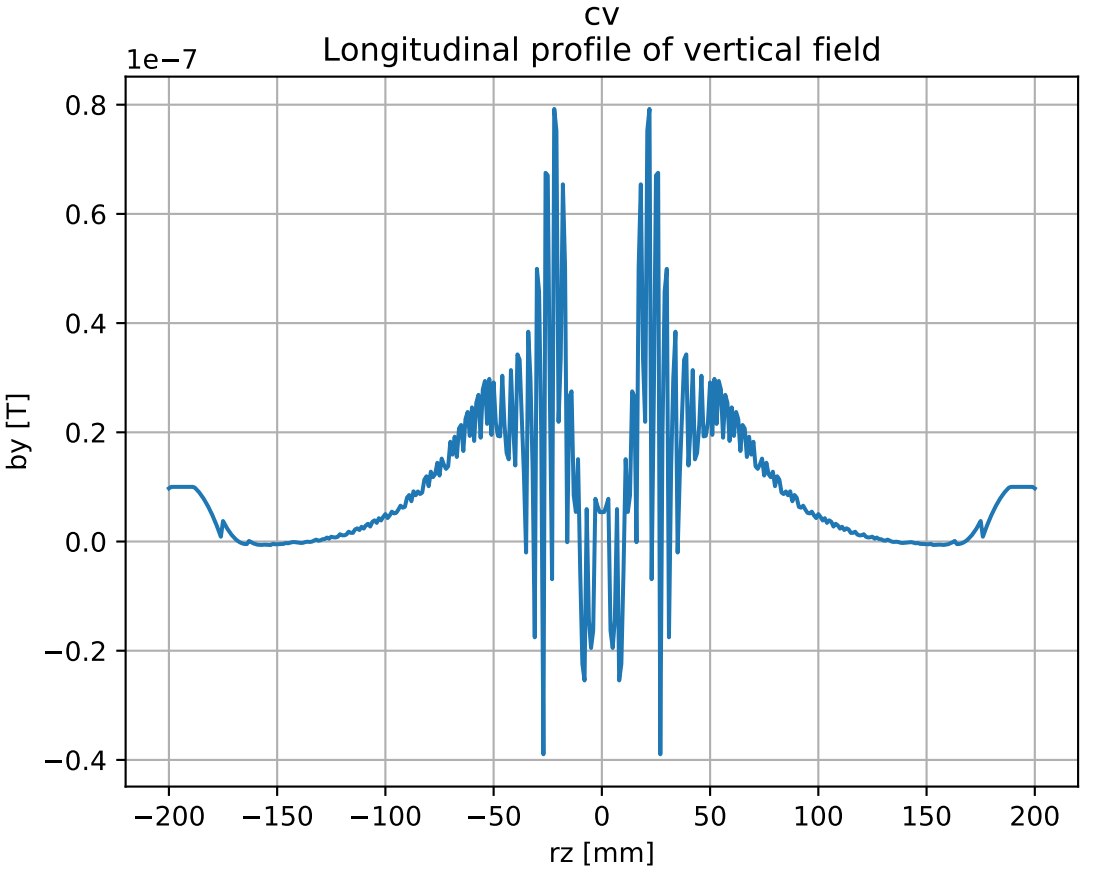
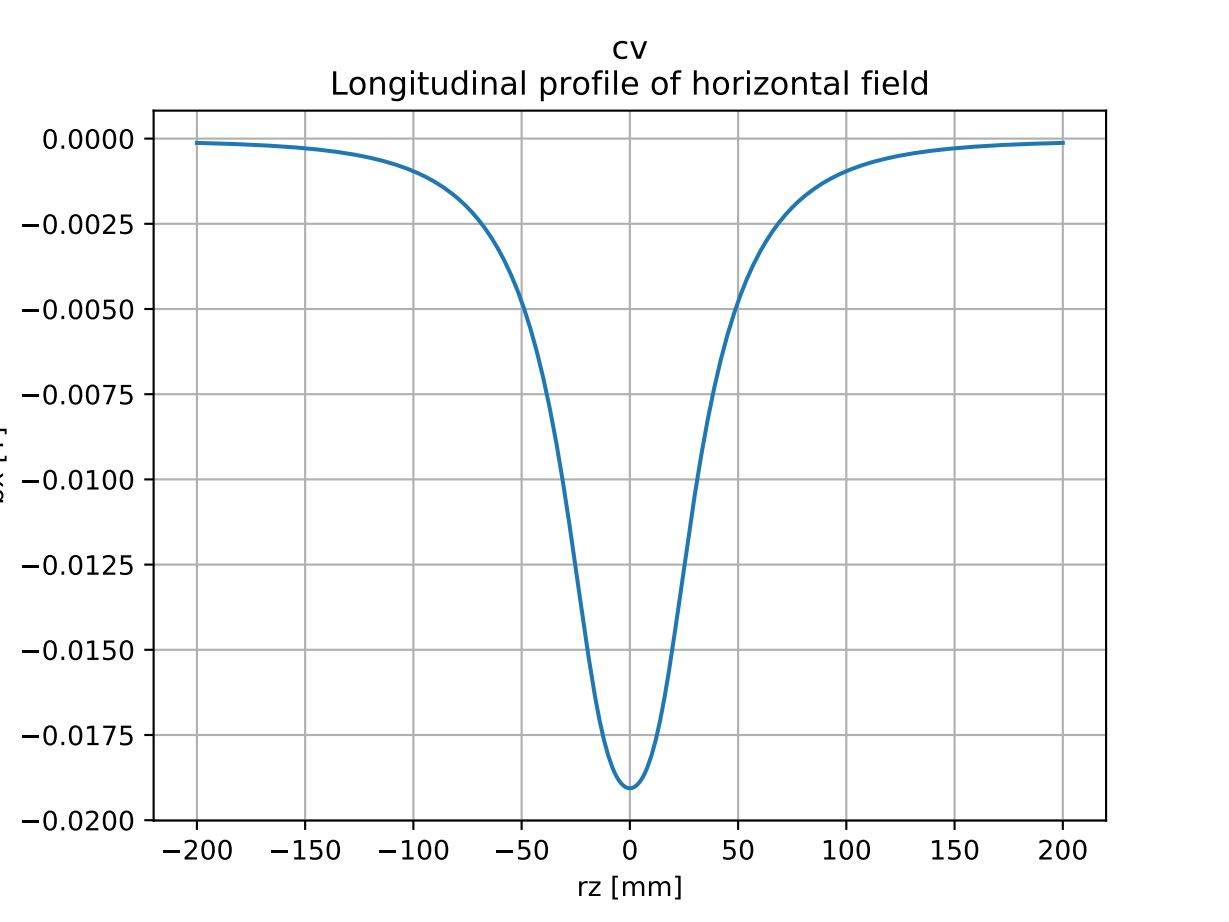
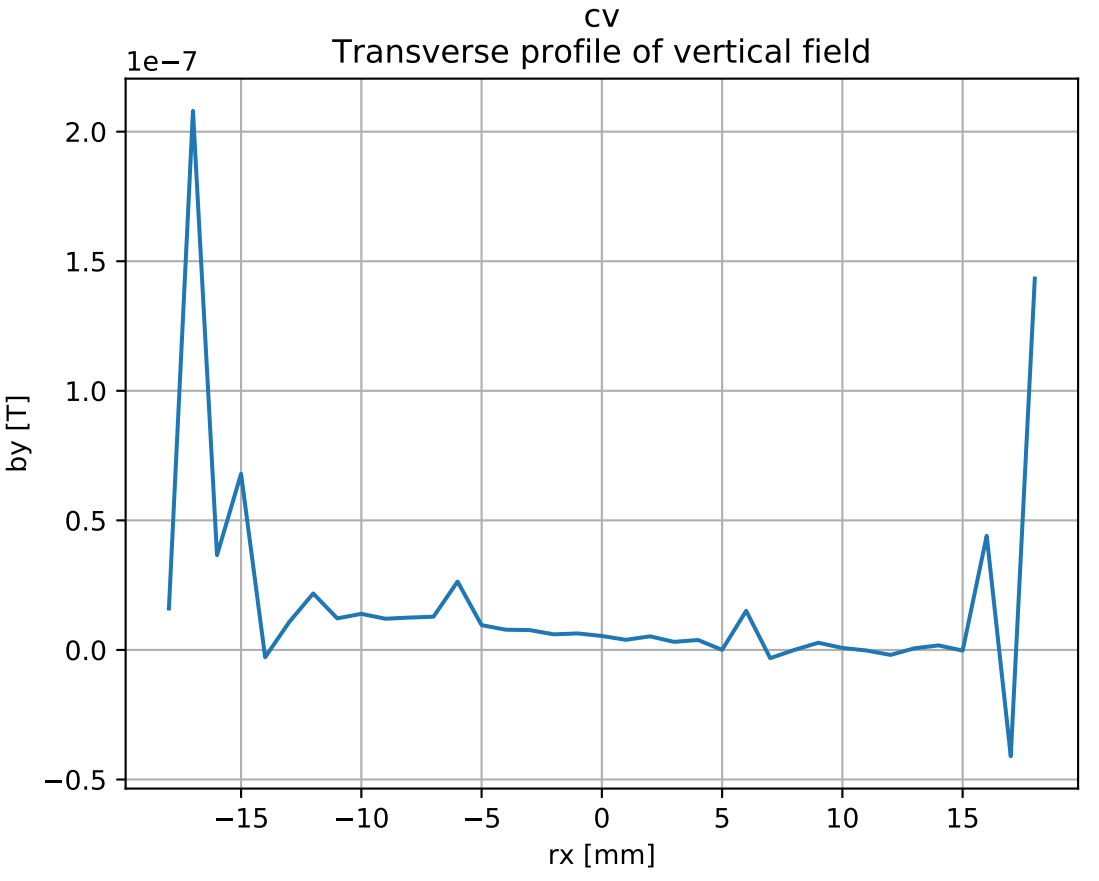
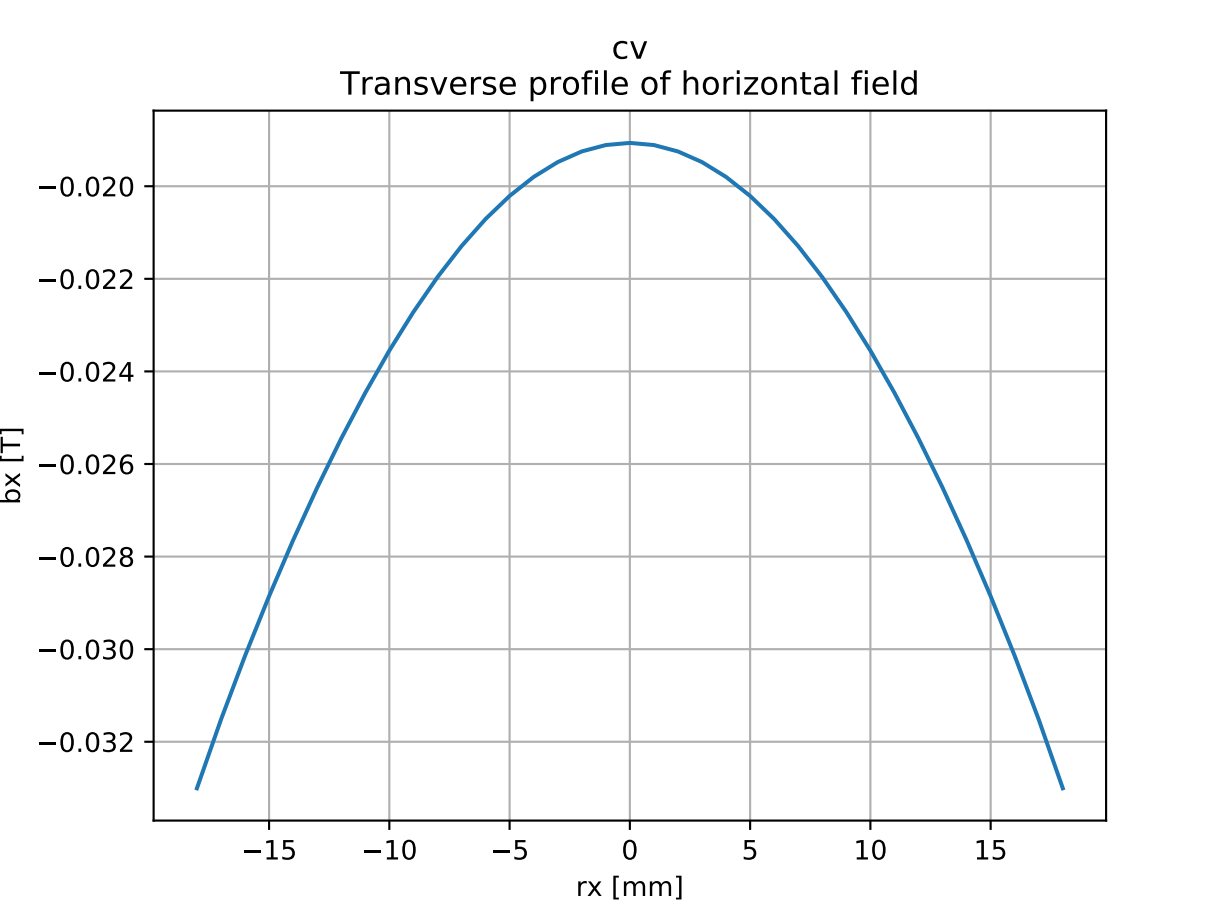
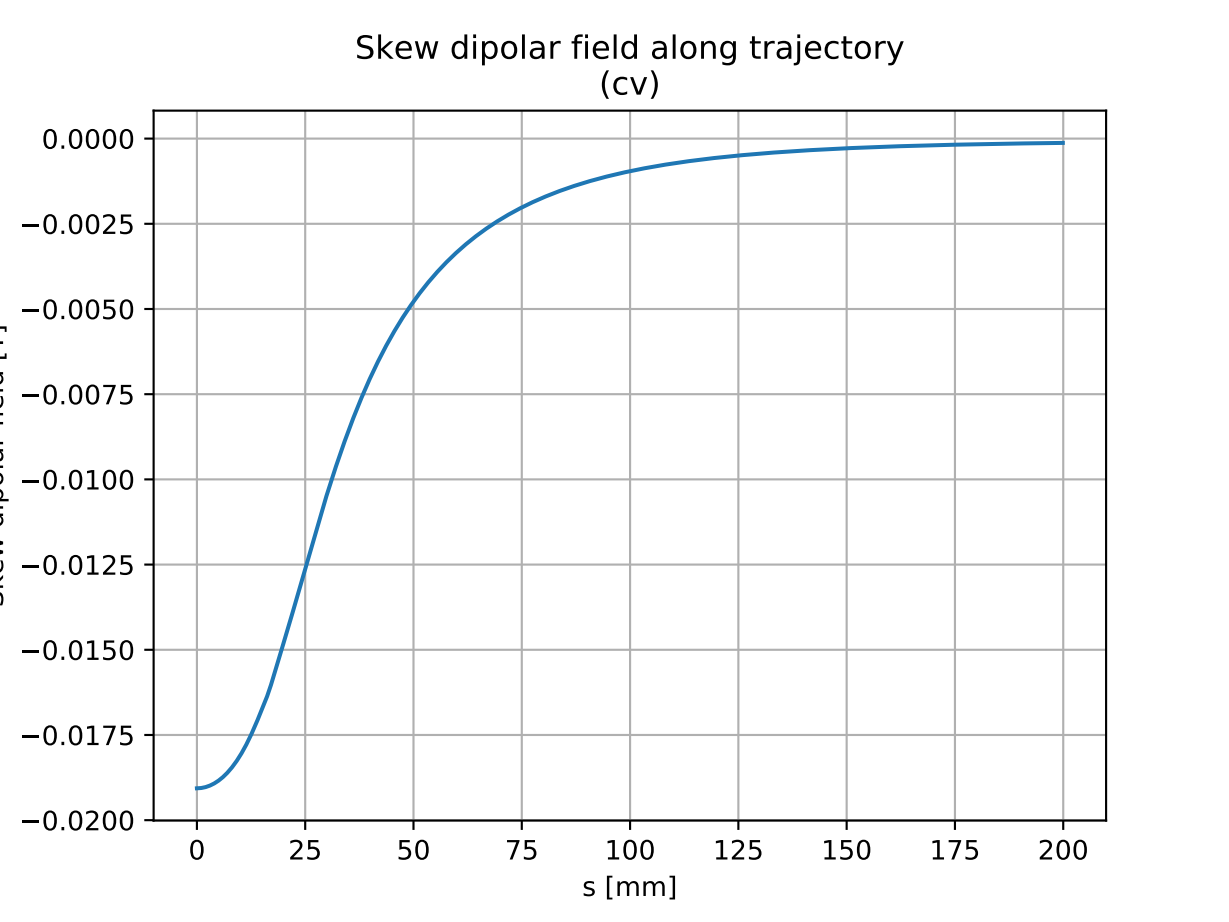
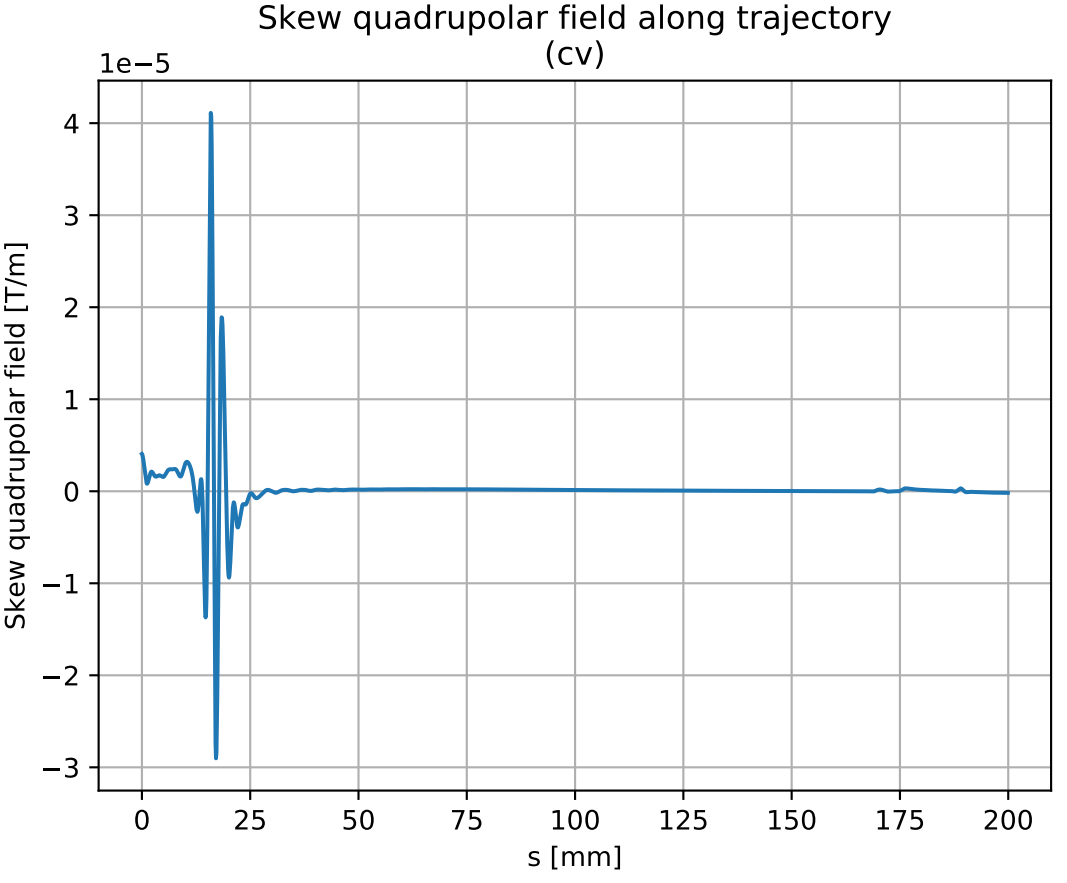

cv
Longitudinal profile of vertical field
1e−7
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
by [T]
−200
−150
−100
−50
0
50
100
150
200
rz [mm]

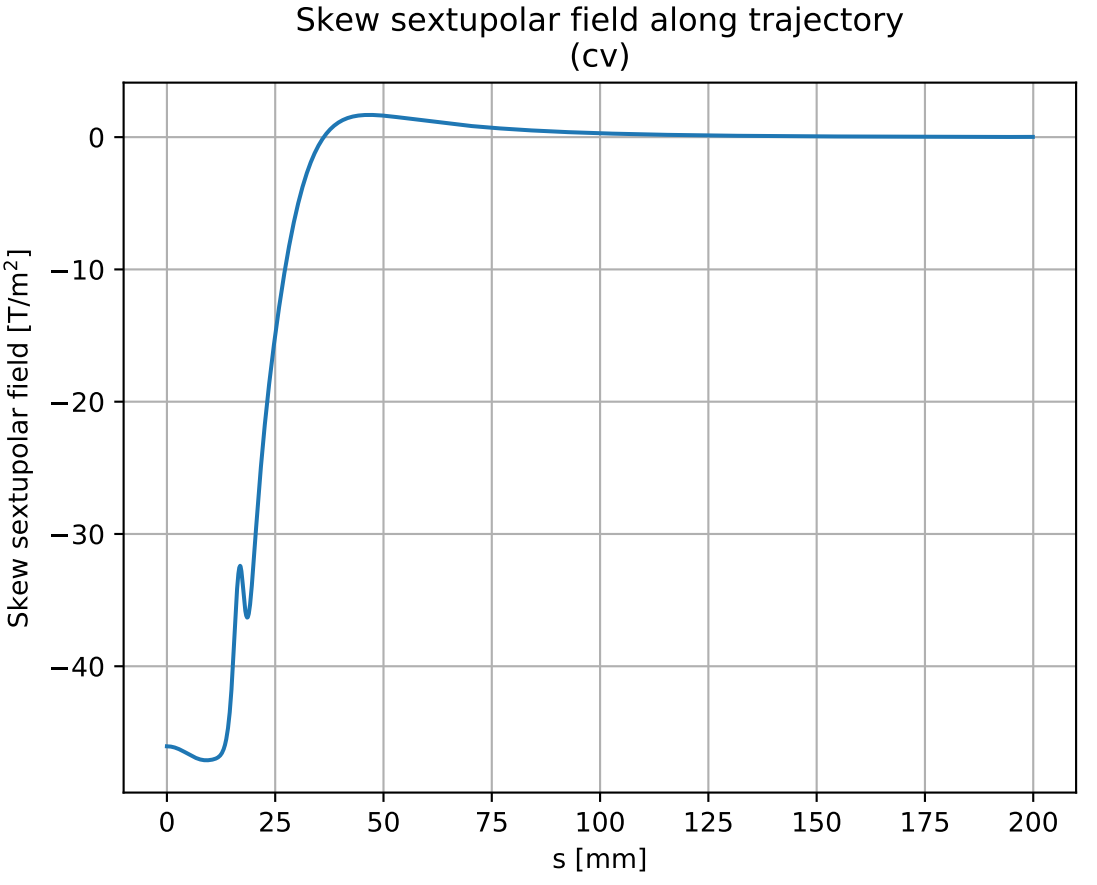

cv
Longitudinal profile of horizontal field
0.0000
−0.0025
−0.0050
−0.0075
−0.0100
−0.0125
−0.0150
−0.0175
−0.0200
−200
−150
−100
−50
0
50
100
150
200
rz [mm]

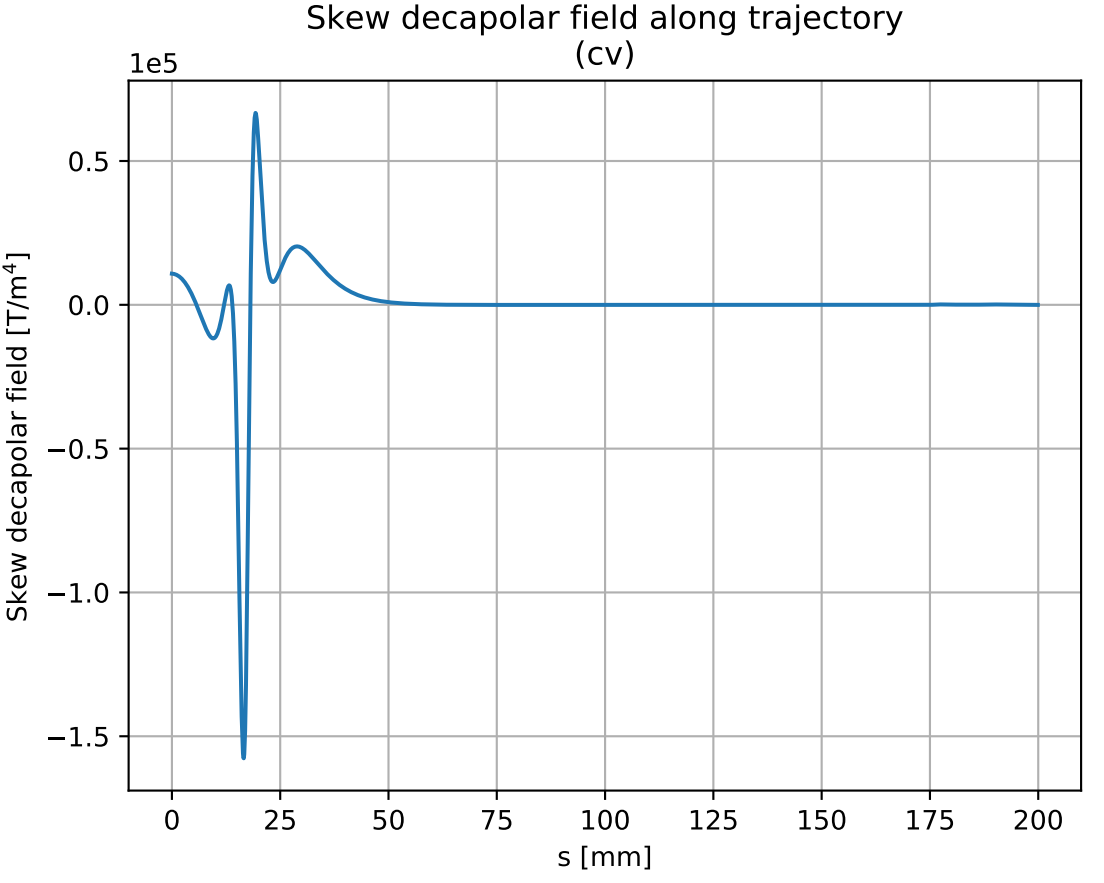

cv
Transverse profile of vertical field
1e−7
2.0
1.5
1.0
0.5
0.0
−0.5
by [T]
−15
−10
−5
0
5
10
15
rx [mm]

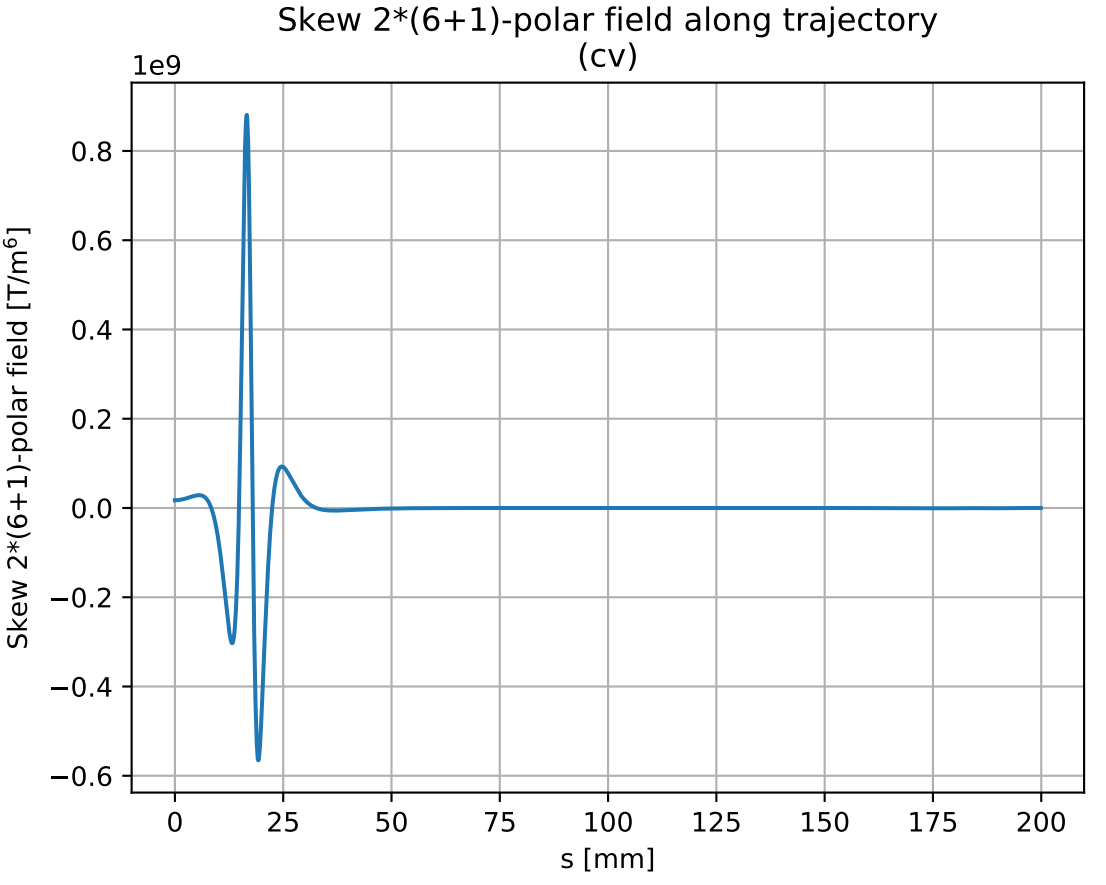

cv
Transverse profile of horizontal field
bx [T]
−0.020
−0.022
−0.024
−0.026
−0.028
−0.030
−0.032
−15
−10
−5
0
5
10
15
rx [mm]

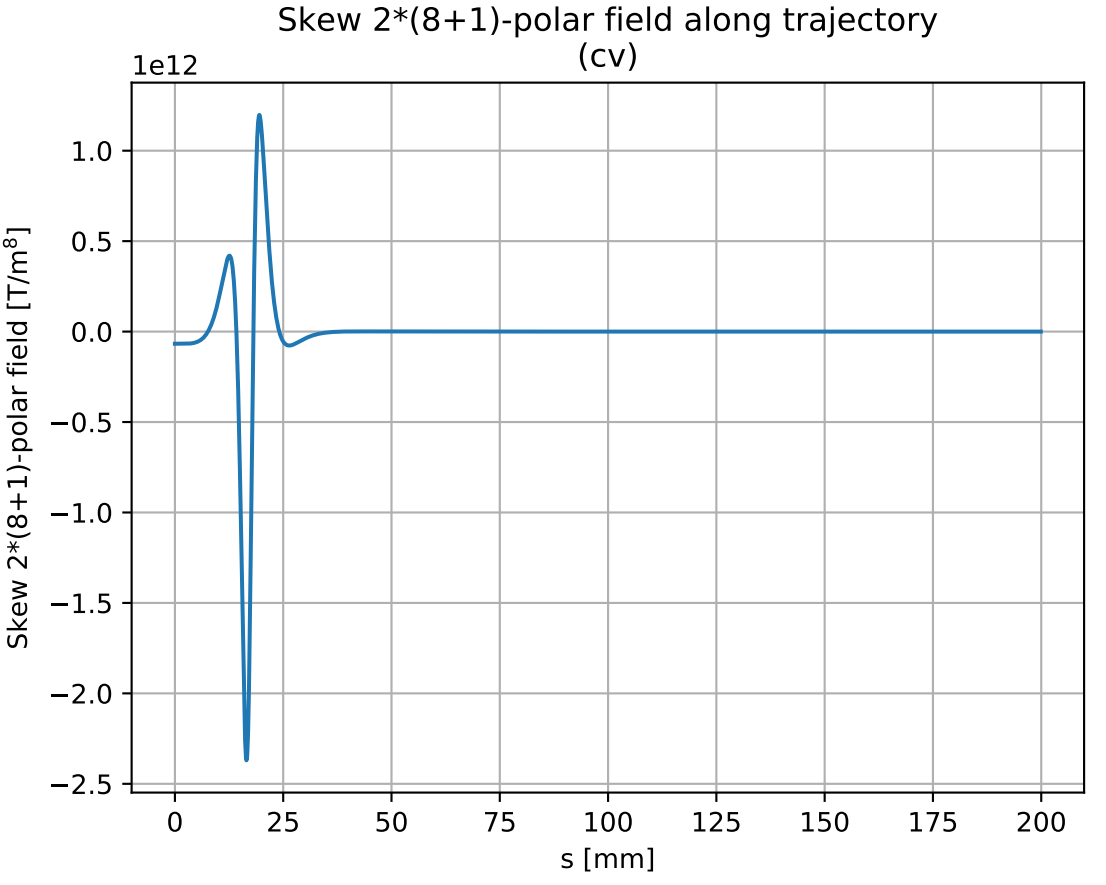

Skew dipolar field along trajectory
(cv)
0.0000
−0.0025
−0.0050
−0.0075
−0.0100
−0.0125
−0.0150
−0.0175
−0.0200
0
25
50
75
100
125
150
175
200
s [mm]

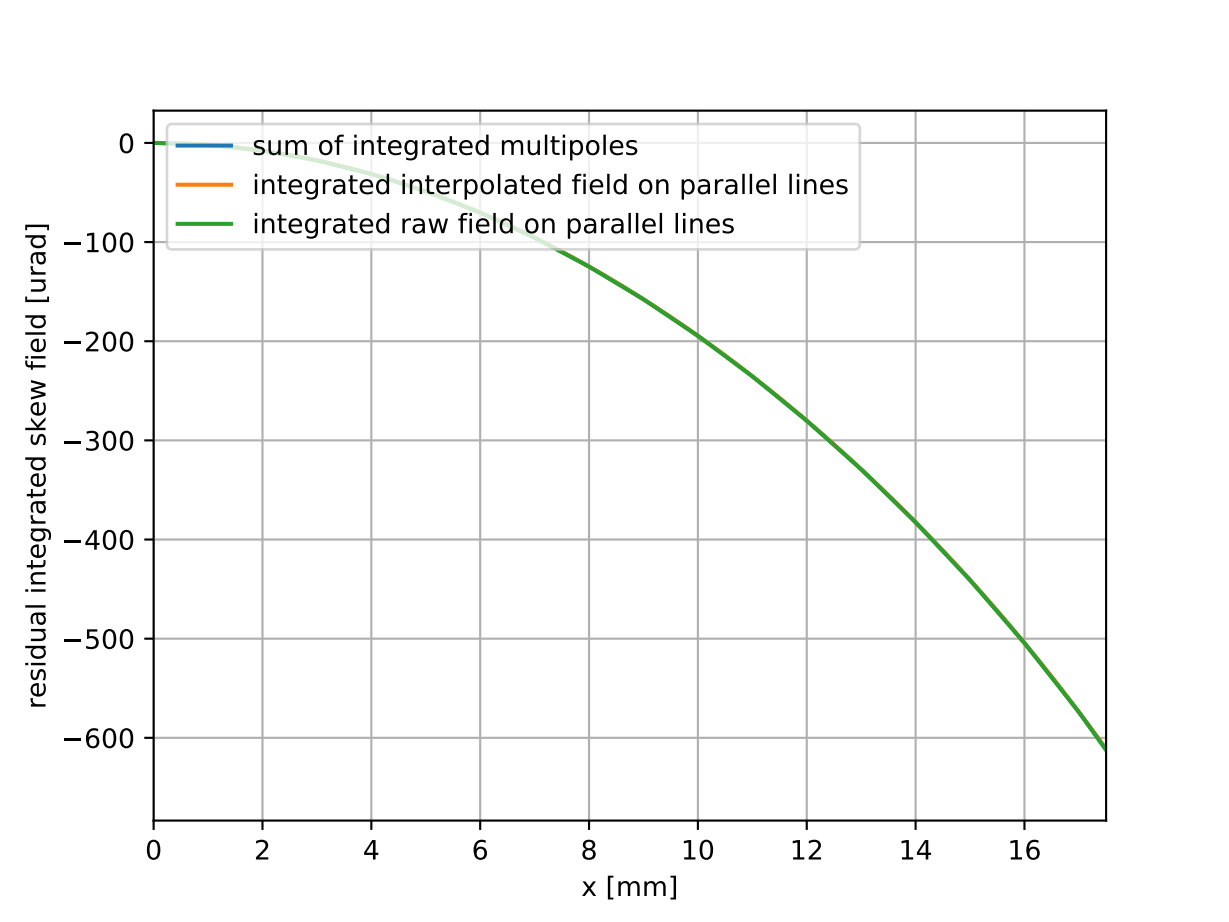

Skew quadrupolar field along trajectory
(cv)
1e−5
4
3
2
1
0
−1
−2
−3
Skew quadrupolar field [T/m]
0
25
50
75
100
125
150
175
200
s [mm]


Skew sextupolar field along trajectory
(cv)
Skew sextupolar field [T/m^2]
0
−10
−20
−30
−40
0
25
50
75
100
125
150
175
200
s [mm]


Skew decapolar field along trajectory
(cv)
1e5
0.5
0.0
−0.5
−1.0
−1.5
Skew decapolar field [T/m^4]
0
25
50
75
100
125
150
175
200
s [mm]


Skew 2*(6+1)-polar field along trajectory
(cv)
1e9
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
Skew 2*(6+1)-polar field [T/m^6]
0
25
50
75
100
125
150
175
200
s [mm]


Skew 2*(8+1)-polar field along trajectory
(cv)
1e12
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
Skew 2*(8+1)-polar field [T/m^8]
0
25
50
75
100
125
150
175
200
s [mm]


sum of integrated multipoles
integrated interpolated field on parallel lines
integrated raw field on parallel lines
residual integrated skew field [urad]
0
−100
−200
−300
−400
−500
−600
0
2
4
6
8
10
12
14
16
x [mm]