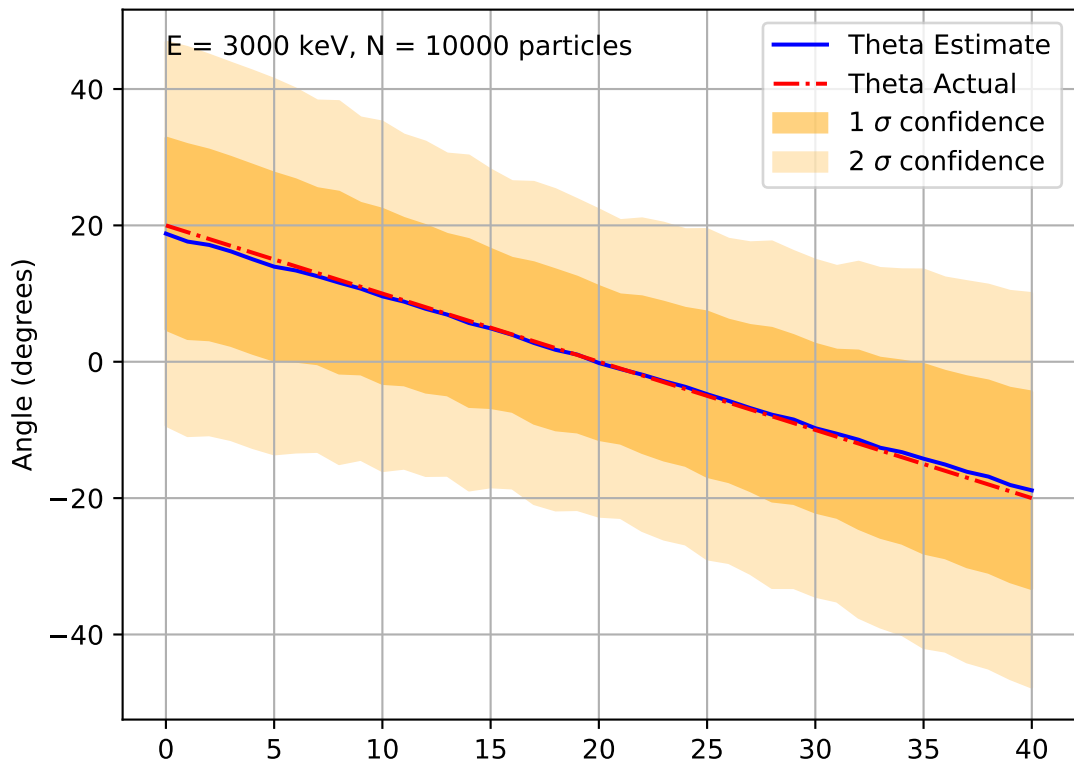


Pinhole radius: 1.500000 mm
Gap between window and detector: 31.500000 mm
Window thickness: 1000.000000 um
Shielding foil thickness: 10.000000 um

Theta Angle (degrees), Standard deviation (degrees):

0	16.5276
1	15.8741
2	15.5497
3	15.4237
4	15.1389
5	14.8570
6	14.0026
7	14.0922
8	13.6384
9	13.3140
10	12.5749
11	12.9354
12	12.4621
13	12.4999
14	12.0594
15	12.1491
16	11.7626
17	11.8489
18	11.5329
19	11.3239
20	11.1567
21	11.2130
22	11.4134
23	11.4761
24	11.9200
25	12.1994
26	12.1009
27	12.3137
28	12.5006
29	13.4504
30	13.2394
31	13.5582
32	13.6722
33	14.1794
34	14.1771
35	14.6601
36	15.0657
37	15.5898
38	14.9923
39	15.7390
40	16.1765

Name: Theta_std, dtype: float64



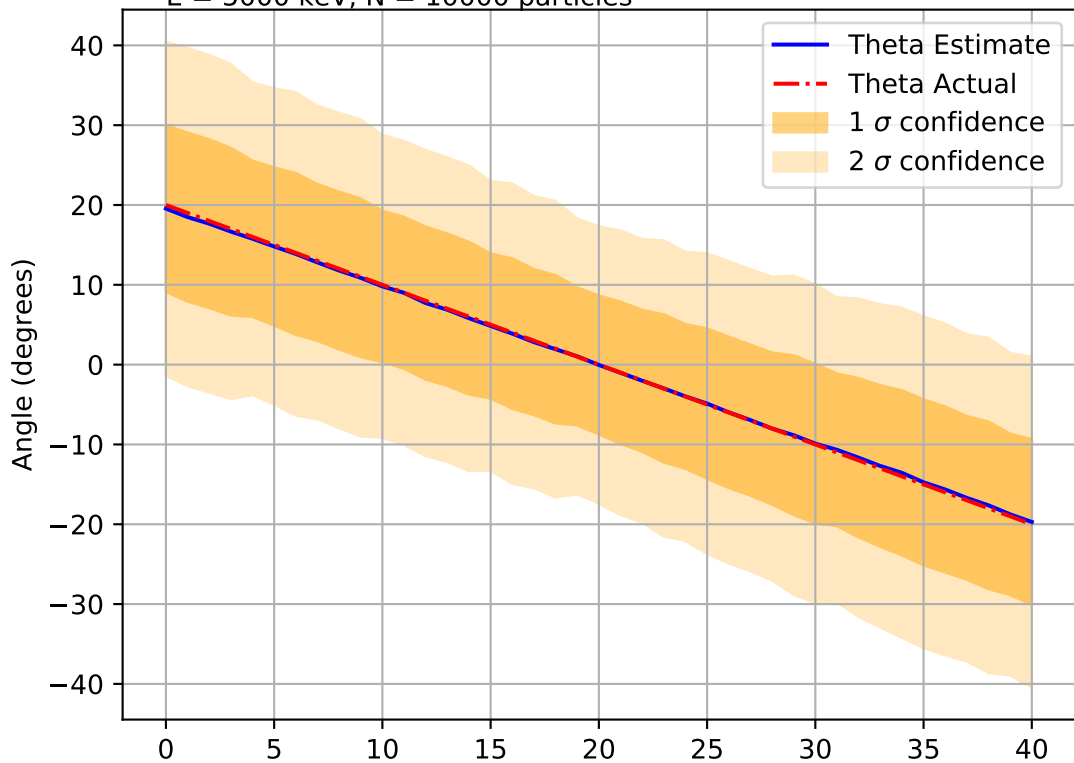
Pinhole radius: 1.500000 mm
Gap between window and detector: 31.500000 mm
Window thickness: 1000.000000 um
Shielding foil thickness: 10.000000 um

Theta Angle (degrees), Standard deviation (degrees):

0	14.0598
1	14.2425
2	13.9327
3	13.8145
4	13.8145
5	13.7459
6	13.3247
7	12.8597
8	13.2852
9	12.5310
10	12.7943
11	12.2262
12	12.2362
13	11.7889
14	12.2596
15	11.6320
16	11.2423
17	11.7884
18	11.7553
19	11.3760
20	11.2457
21	10.8970
22	11.4375
23	11.5946
24	11.5359
25	12.0873
26	11.8650
27	12.1350
28	12.6840
29	12.3332
30	12.3346
31	12.2820
32	13.0319
33	13.1568
34	13.3817
35	13.8556
36	13.6962
37	13.9542
38	14.0540
39	14.2094
40	14.4441

Name: Theta_std, dtype: float64

E = 5000 keV, N = 10000 particles



Pinhole radius: 1.500000 mm
Gap between window and detector: 31.500000 mm
Window thickness: 1000.000000 um
Shielding foil thickness: 10.000000 um

Theta Angle (degrees), Standard deviation (degrees):

0	10.4403
1	10.5700
2	10.5609
3	10.4841
4	9.7776
5	9.8927
6	10.1189
7	9.8117
8	9.8685
9	9.9161
10	9.4779
11	9.5030
12	9.5723
13	9.5277
14	9.5551
15	9.0651
16	9.4057
17	9.1320
18	9.2723
19	8.6298
20	8.6804
21	8.8973
22	8.8770
23	9.2603
24	9.0461
25	9.4038
26	9.4643
27	9.4501
28	9.5109
29	9.9844
30	9.9726
31	9.5501
32	9.9601
33	10.1091
34	10.3255
35	10.3771
36	10.3830
37	10.2352
38	10.4850
39	10.0940
40	10.3561

Name: Theta_std, dtype: float64