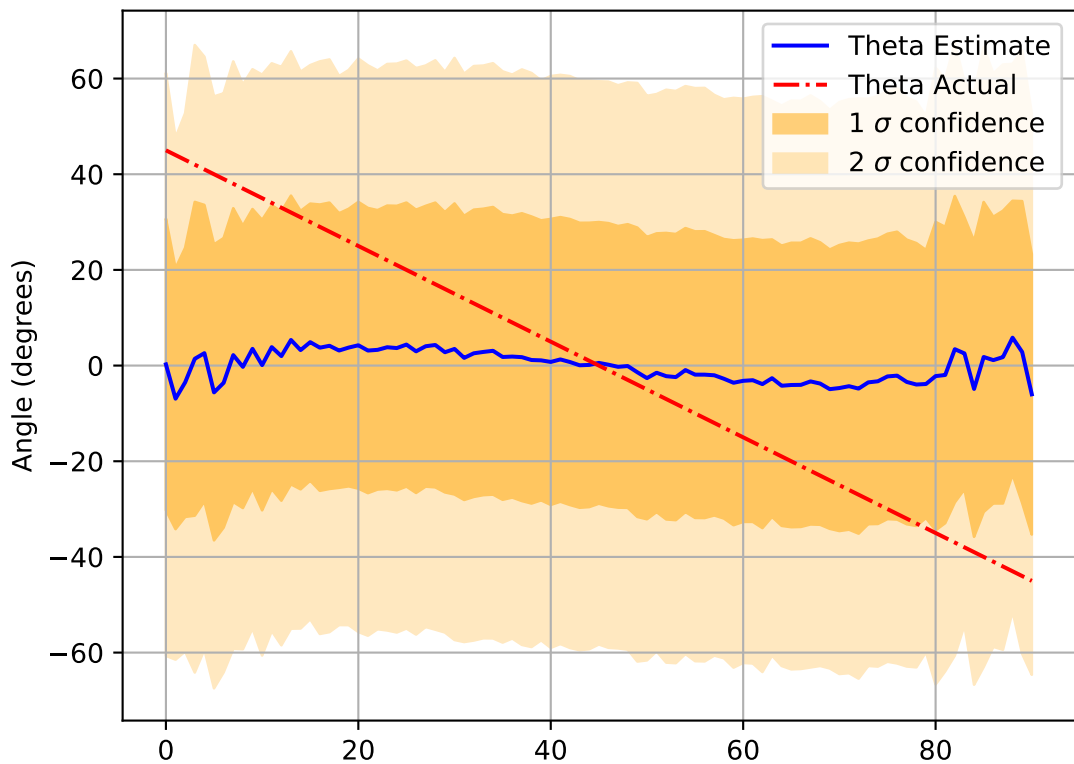


$E = 100 \text{ keV}$, $N = 10000$ particles



Pinhole radius: 0.750000 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	30.4593
1	27.2713
2	28.1260
3	32.7909
4	30.9771
5	30.9306
6	30.2530
7	30.6964
8	29.5082
9	29.2204
10	30.3552
11	29.6609
12	30.2248
13	30.1712
14	29.0947
15	28.9517
16	29.9182
17	29.9237
18	28.6876
19	29.0050
20	29.9640
21	29.8008
22	29.1971
23	29.6004
24	29.7241
25	29.6785
26	29.5989
27	29.3374
28	29.7518
29	29.2900
	...
61	29.6055
62	30.0889
63	28.9910
64	29.2851
65	29.7190
66	29.6894
67	29.8956
68	29.5116
69	29.1859
70	29.8859
71	29.9898
72	30.3119
73	29.6336
74	29.8156
75	29.8178
76	30.0776
77	29.7398
78	29.5574
79	28.0173
80	32.2275
81	30.9641
82	32.0153

83	28.4162
84	30.9148
85	32.3950
86	29.9620
87	30.5831
88	28.6105
89	31.5364
90	29.3121

Name: Theta_std, Length: 91, dtype: float64