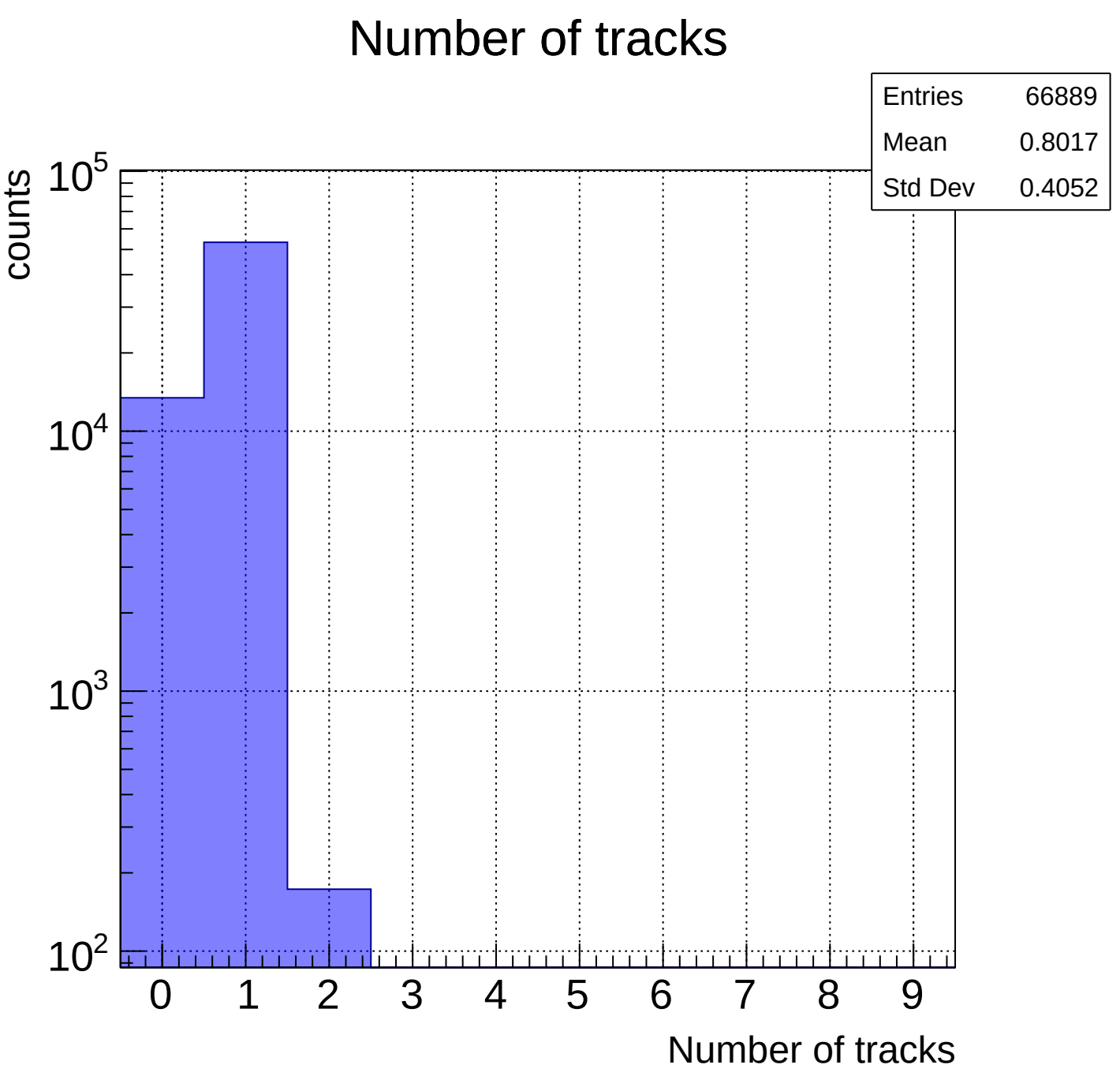
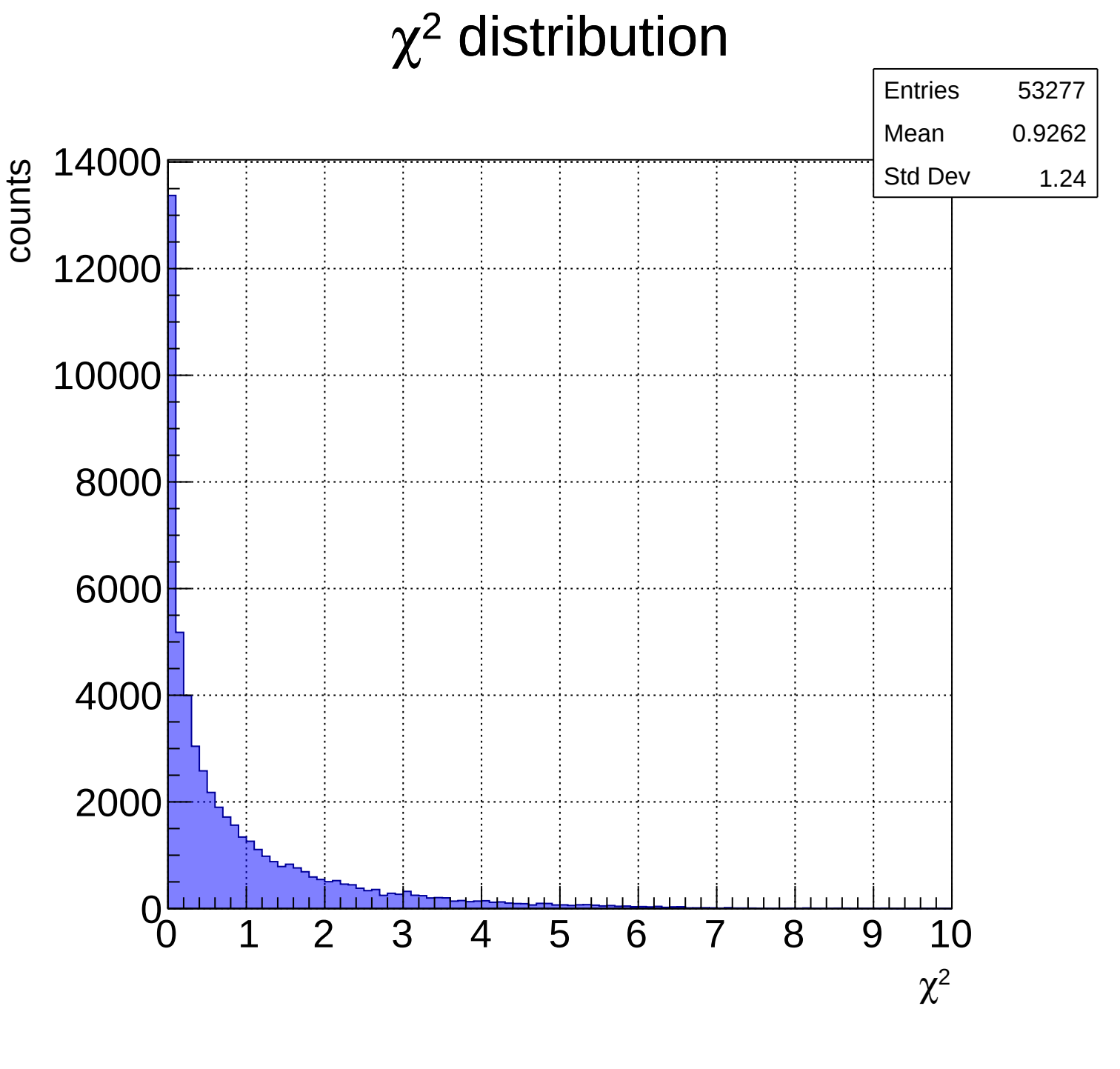
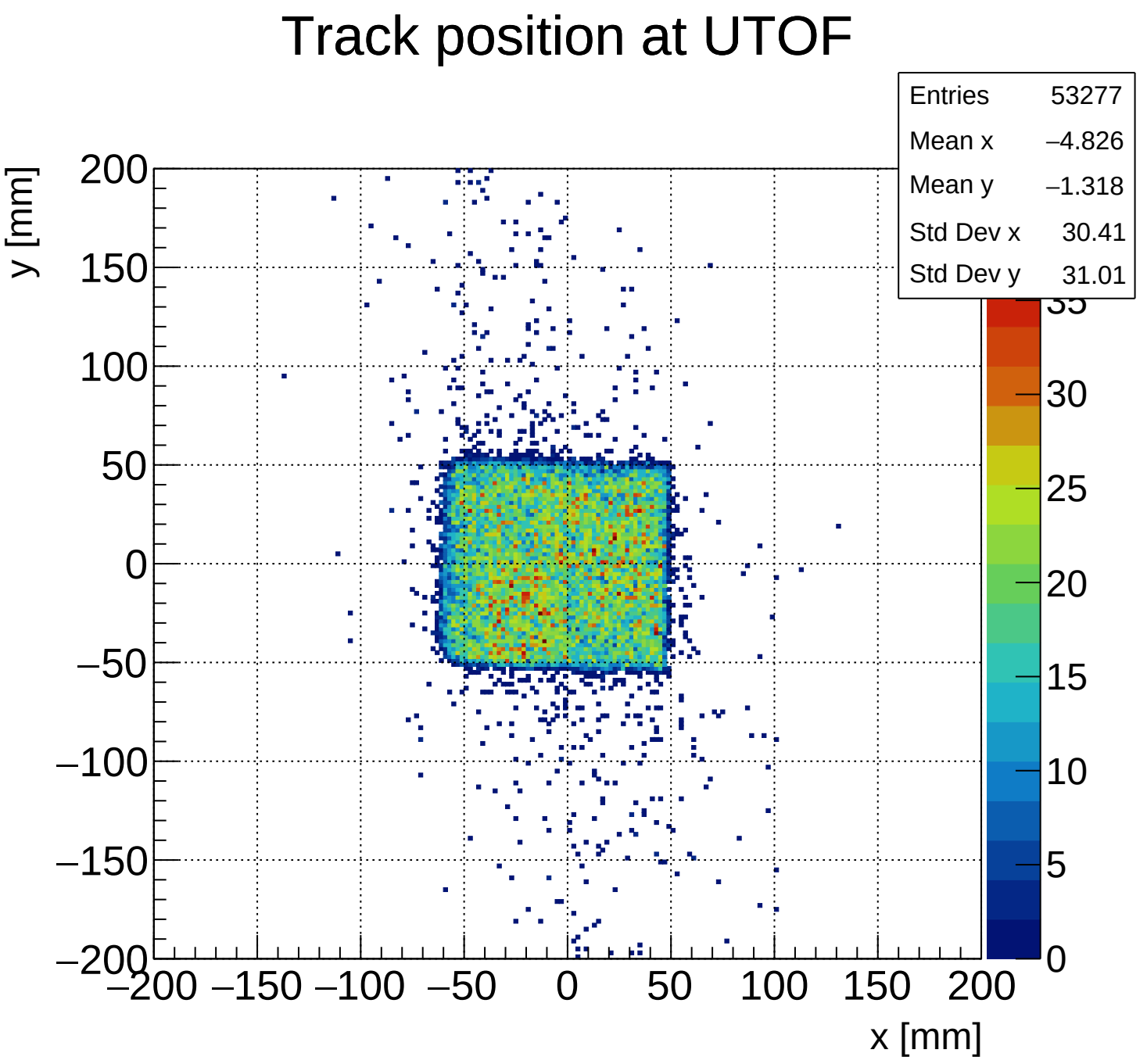
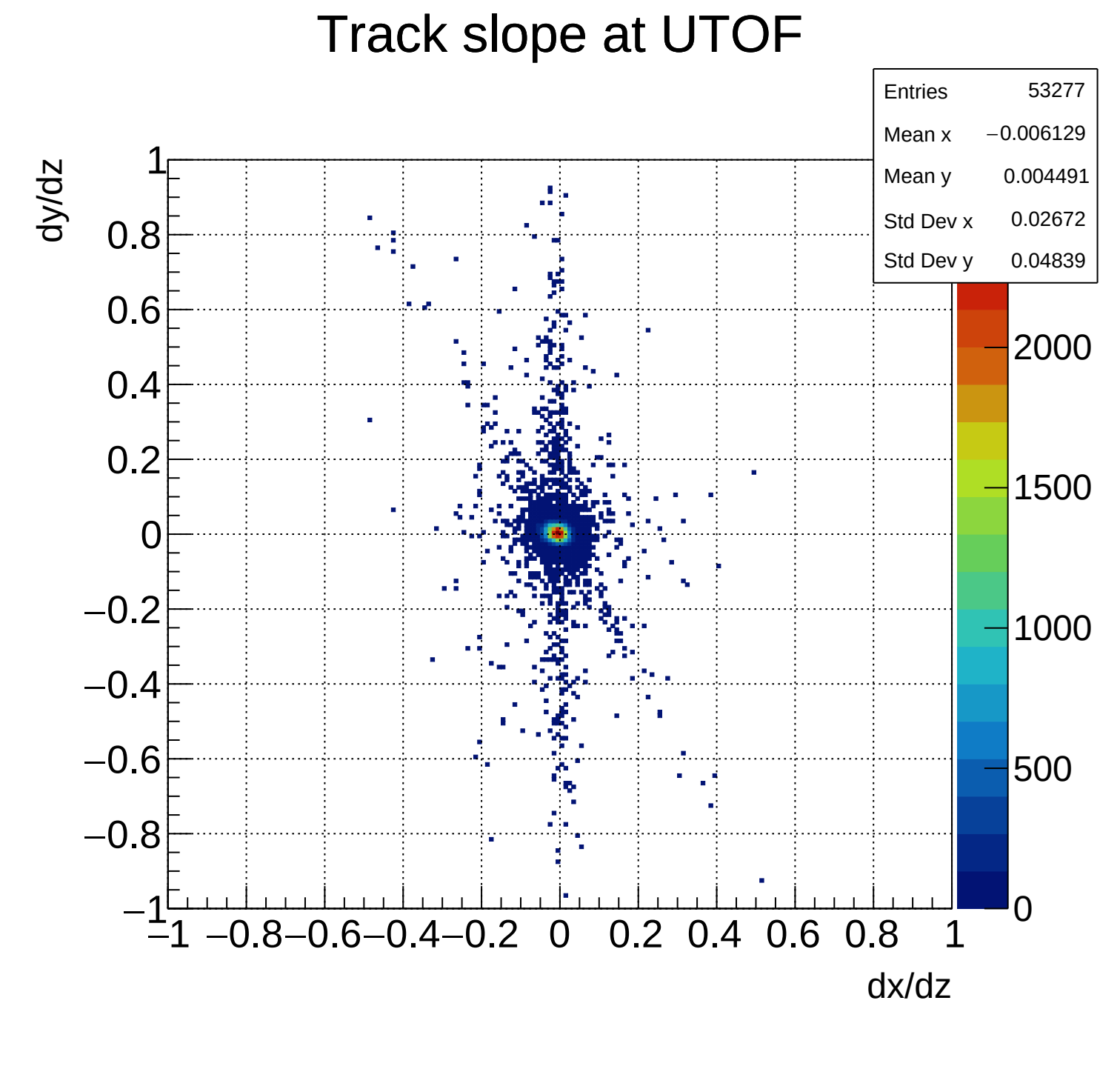
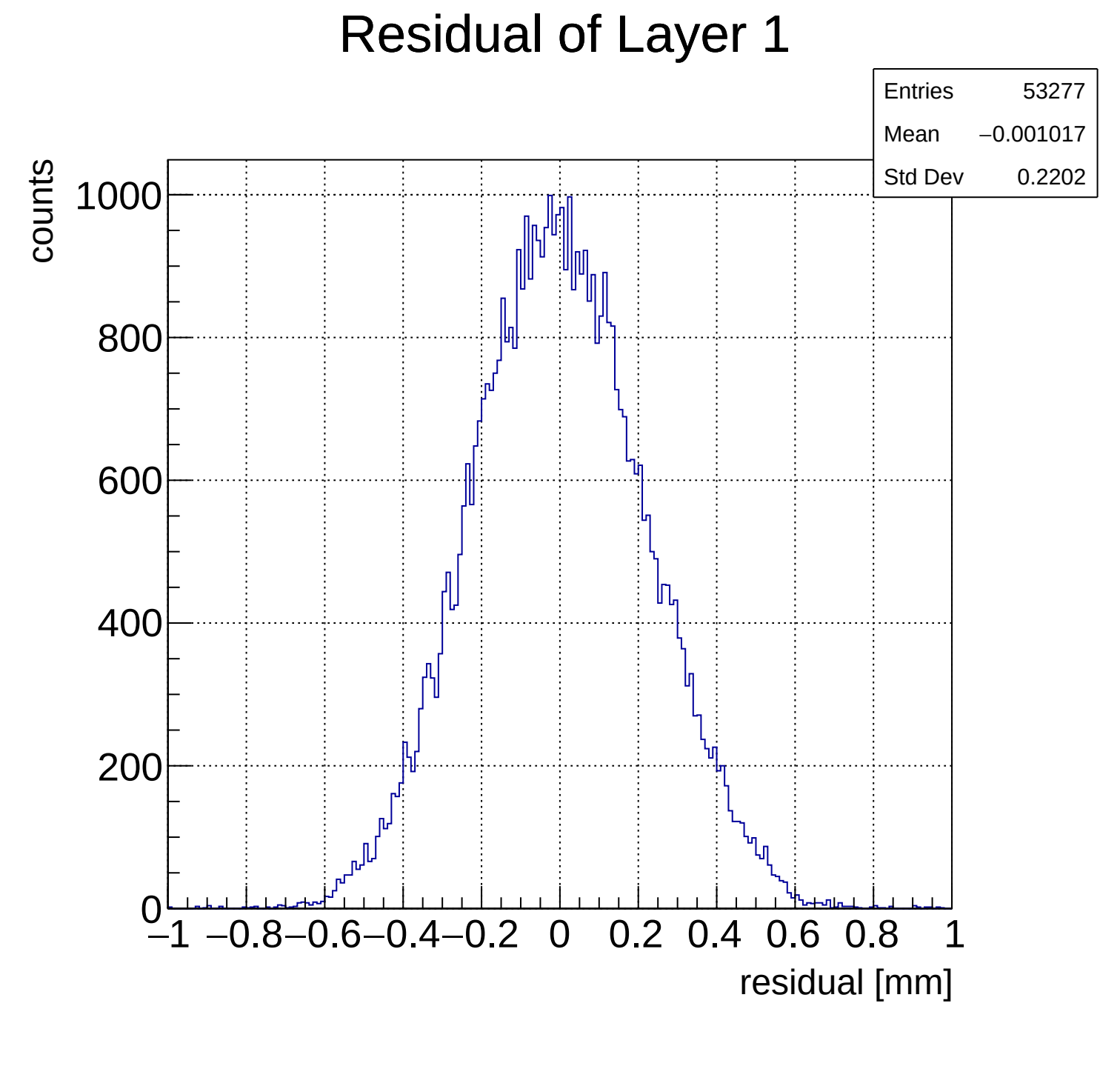
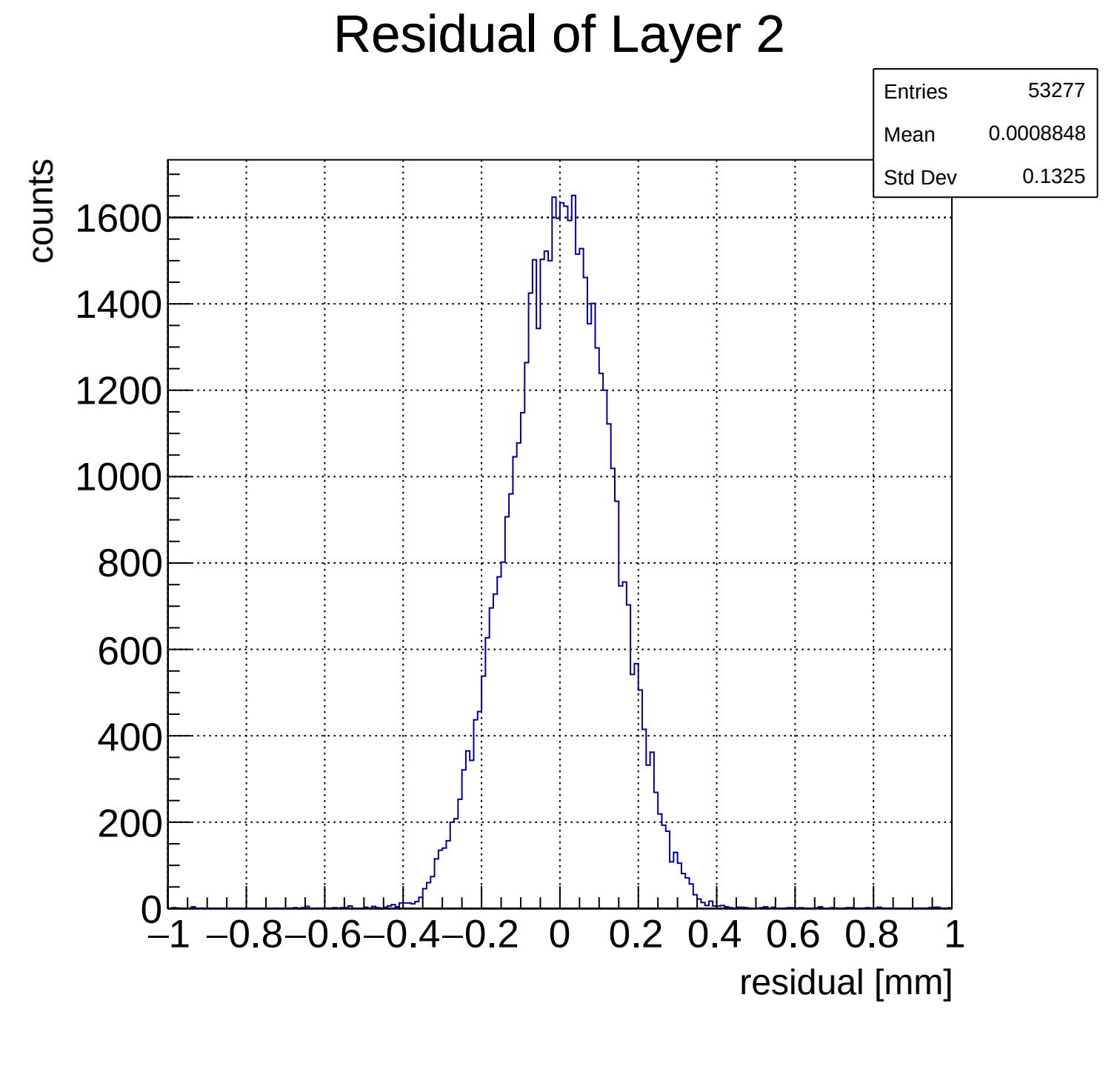

Number of tracks
Entries 66889
Mean 0.8017
Std Dev 0.4052
counts
10^5
10^4
10^3
10^2
0 1 2 3 4 5 6 7 8 9
Number of tracks

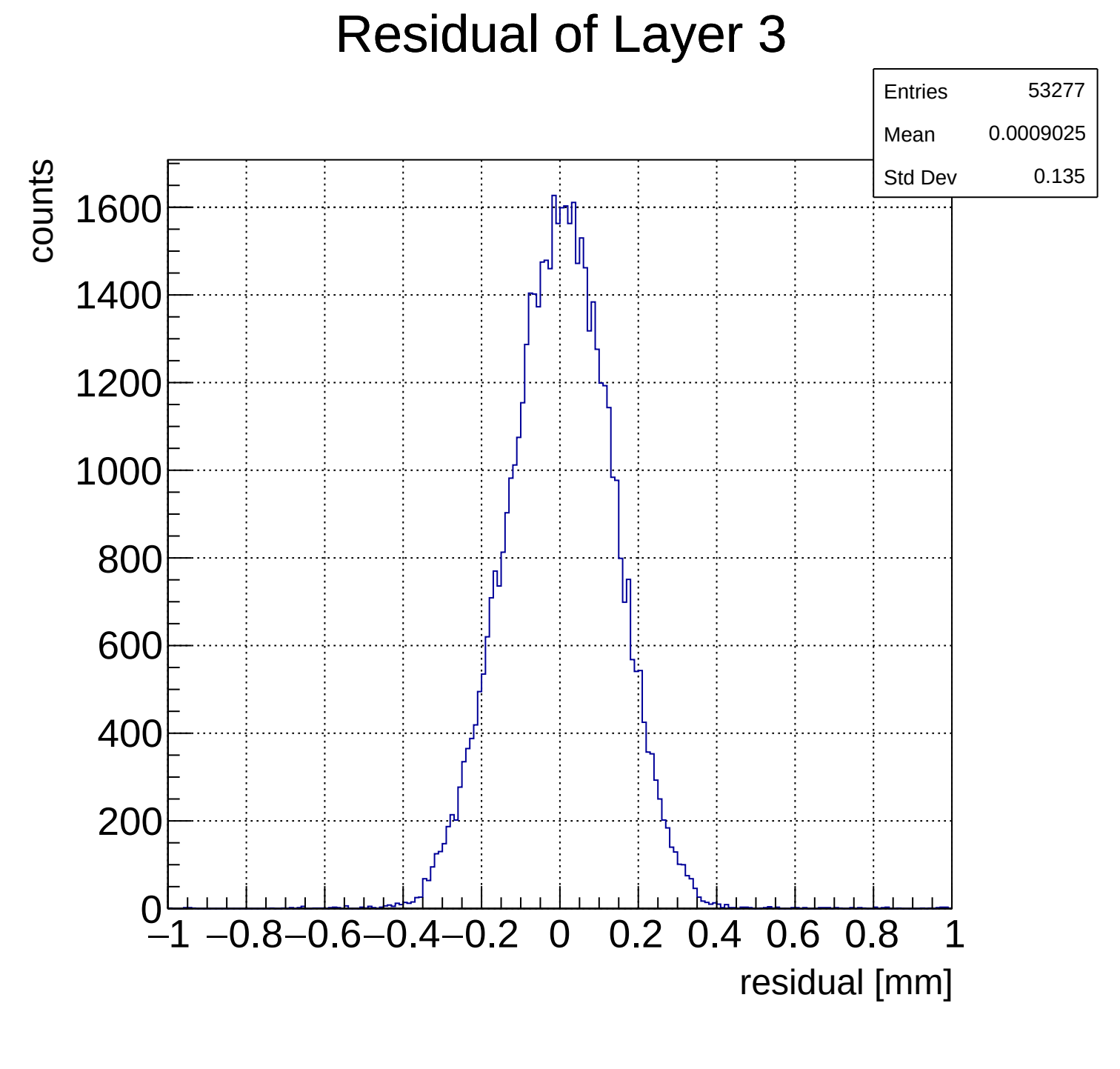

χ² distribution
Entries 53277
Mean 0.9262
Std Dev 1.24
counts
14000
12000
10000
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7 8 9 10
χ²

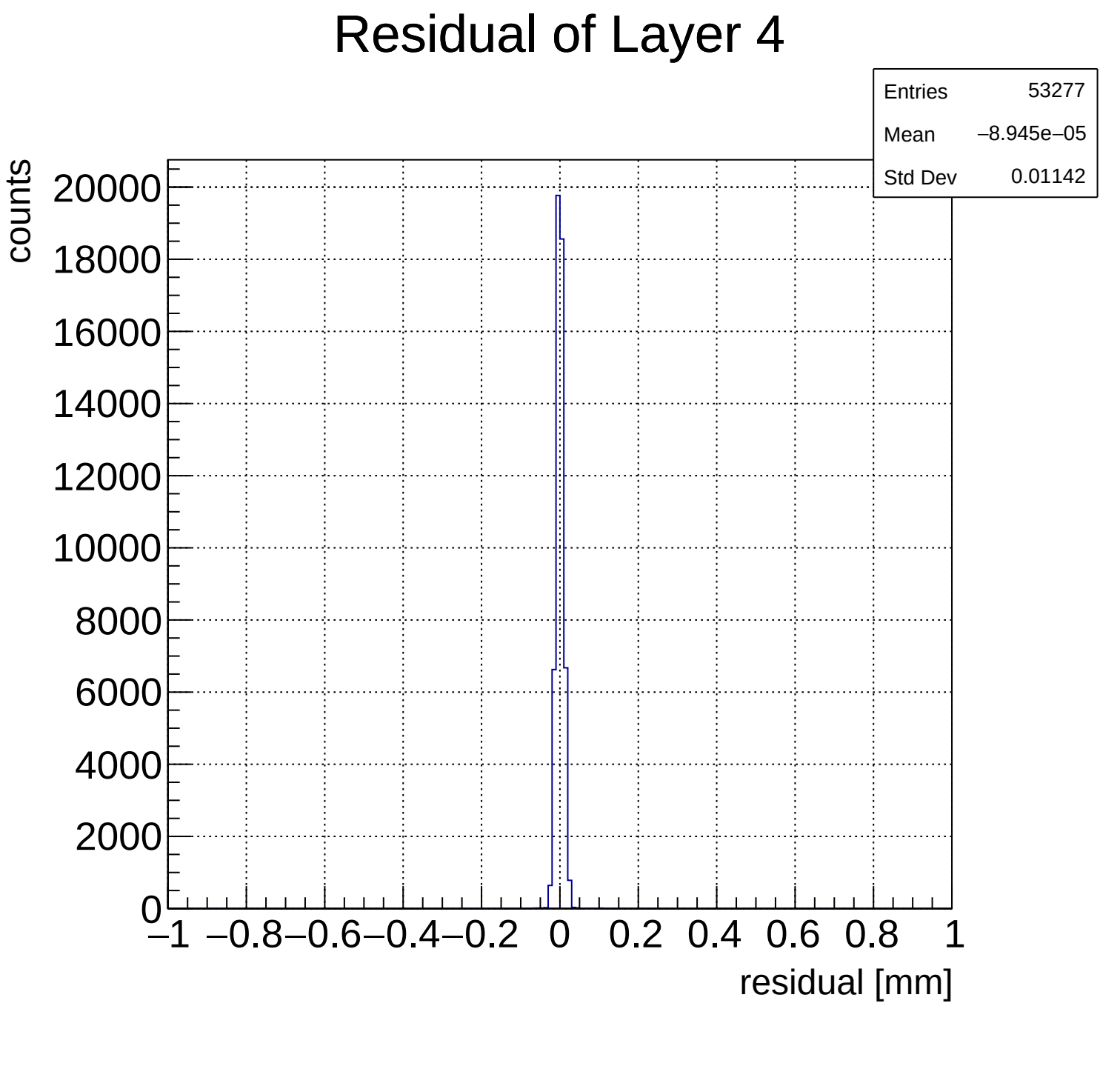

Track position at UTOF
Entries 53277
Mean x –4.826
Mean y –1.318
Std Dev x 30.41
Std Dev y 31.01
y [mm]
x [mm]
200
150
100
50
0
–50
–100
–150
–200
–200 –150 –100 –50 0 50 100 150 200
35
30
25
20
15
10
5
0

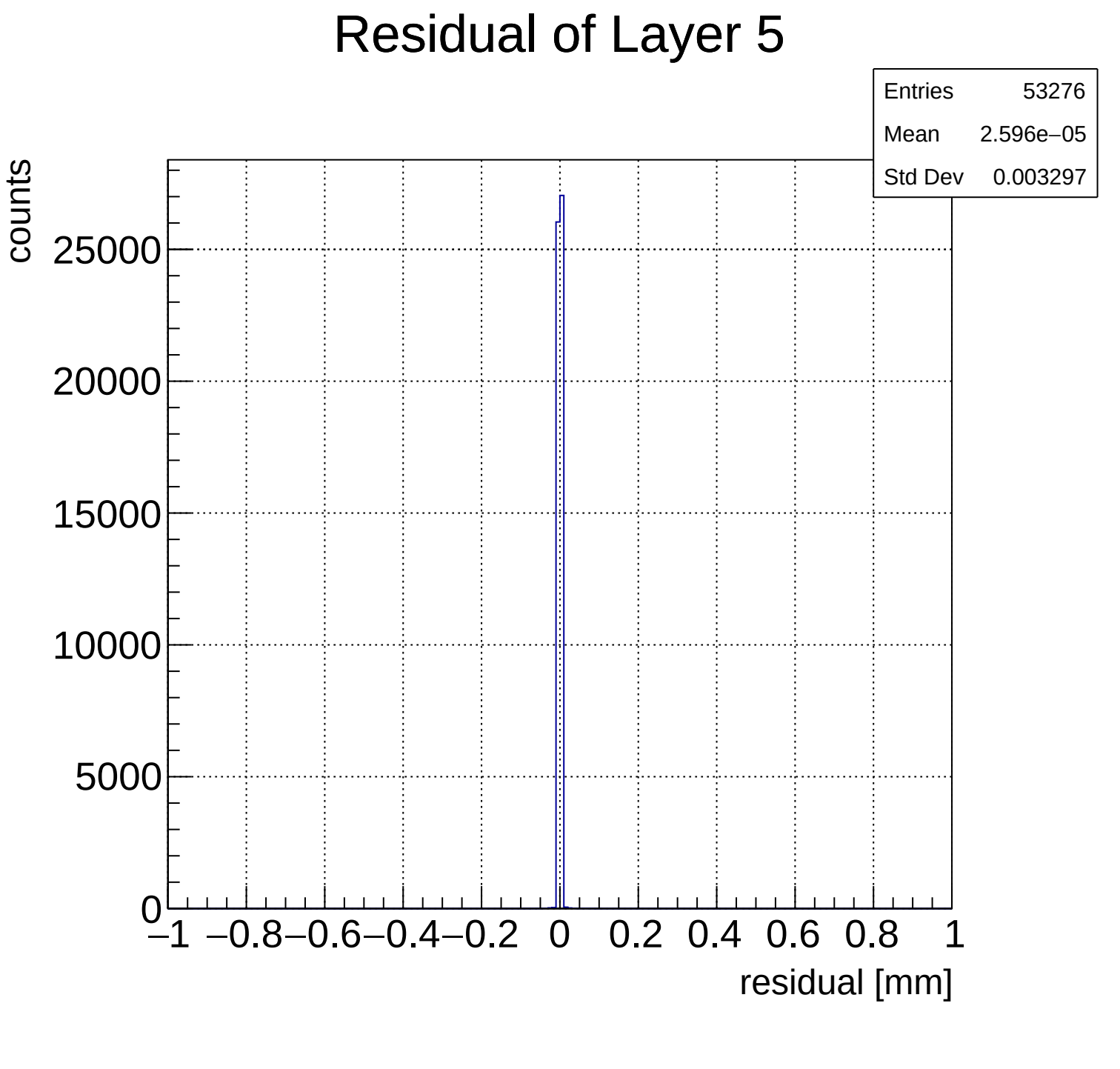

Track slope at UTOF
Entries 53277
Mean x −0.006129
Mean y 0.004491
Std Dev x 0.02672
Std Dev y 0.04839
dy/dz
dx/dz
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
2000
1500
1000
500
0

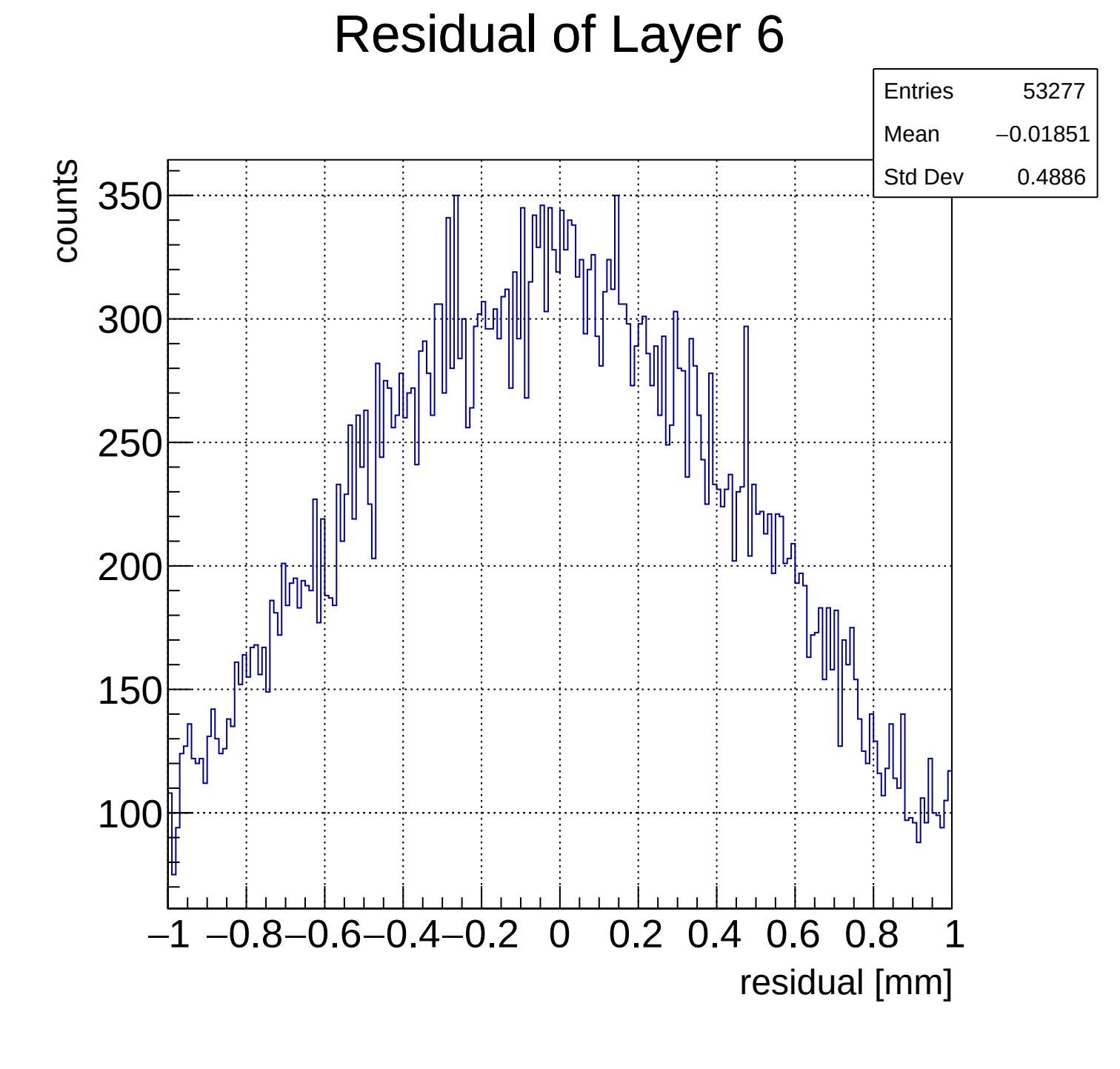

Residual of Layer 1
Entries 53277
Mean −0.001017
Std Dev 0.2202
counts
1000
800
600
400
200
0
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

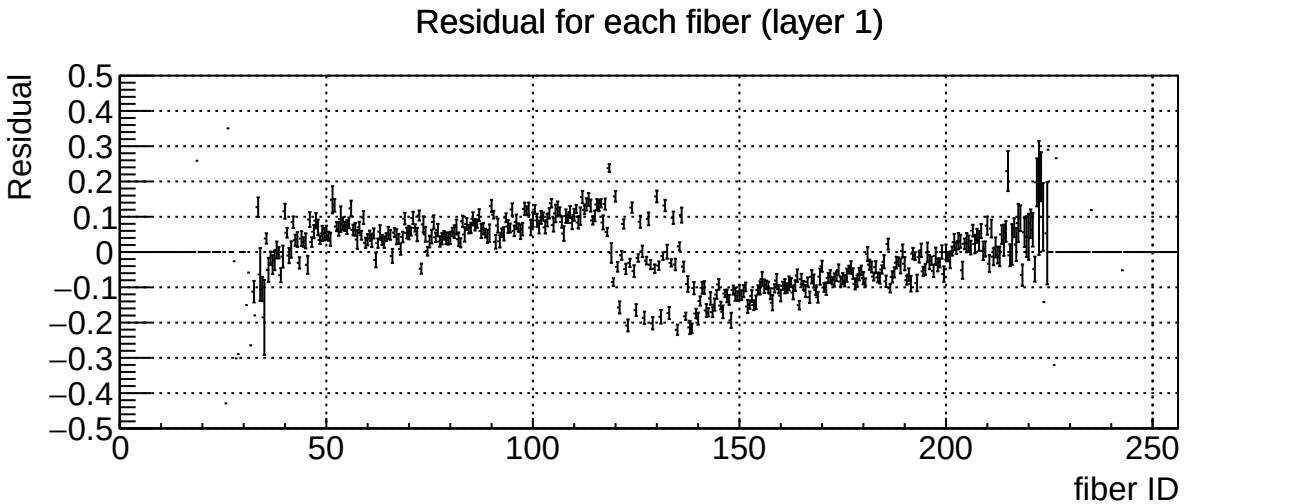

Residual of Layer 2
Entries 53277
Mean 0.0008848
Std Dev 0.1325
counts
1600
1400
1200
1000
800
600
400
200
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
residual [mm]

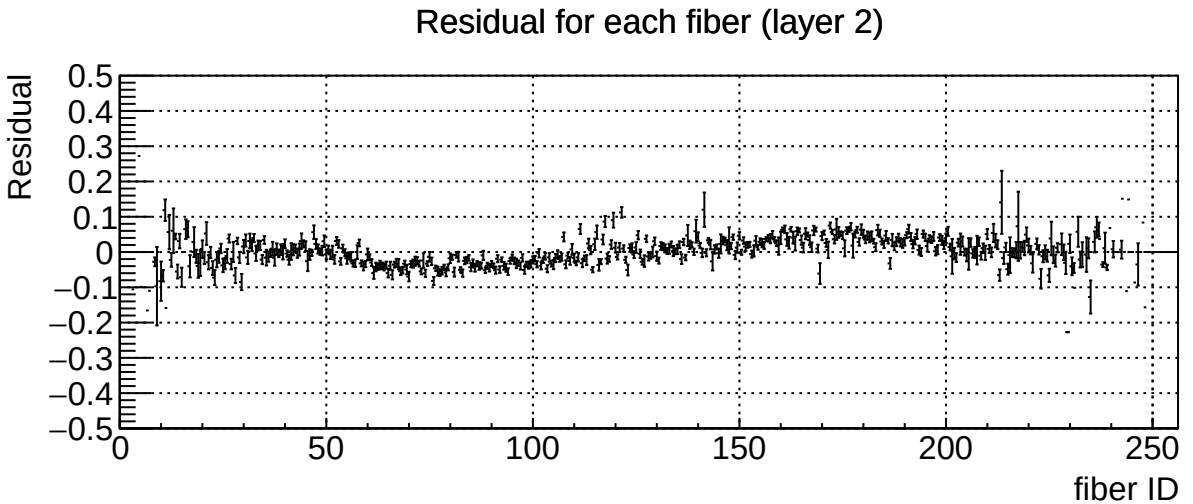

Residual of Layer 3
Entries 53277
Mean 0.0009025
Std Dev 0.135
counts
1600
1400
1200
1000
800
600
400
200
0
–1 –0.8 –0.6 –0.4 –0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

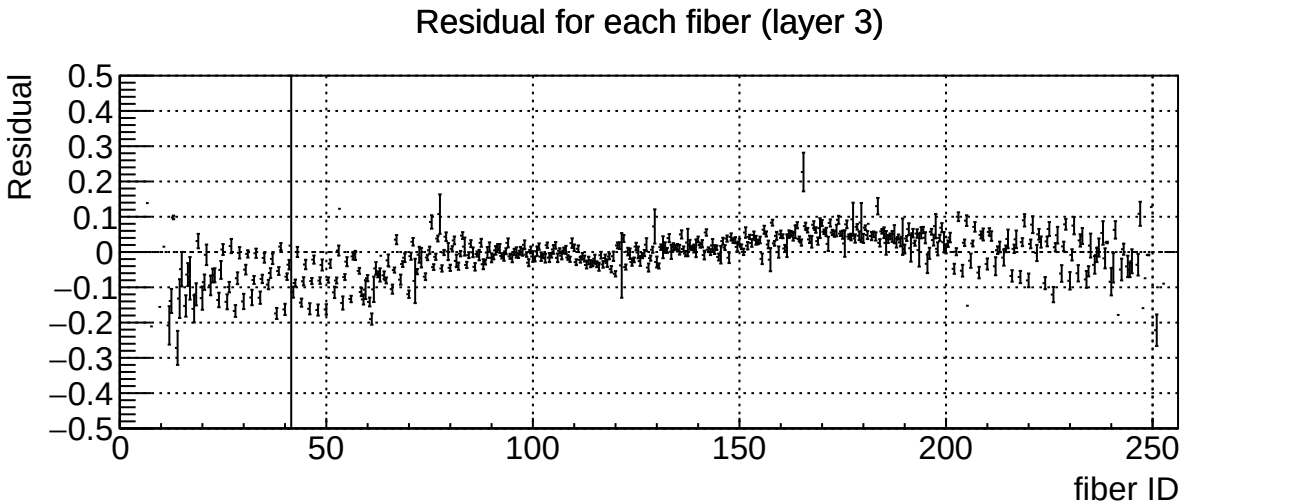

Residual of Layer 4
Entries 53277
Mean −8.945e−05
Std Dev 0.01142
counts
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

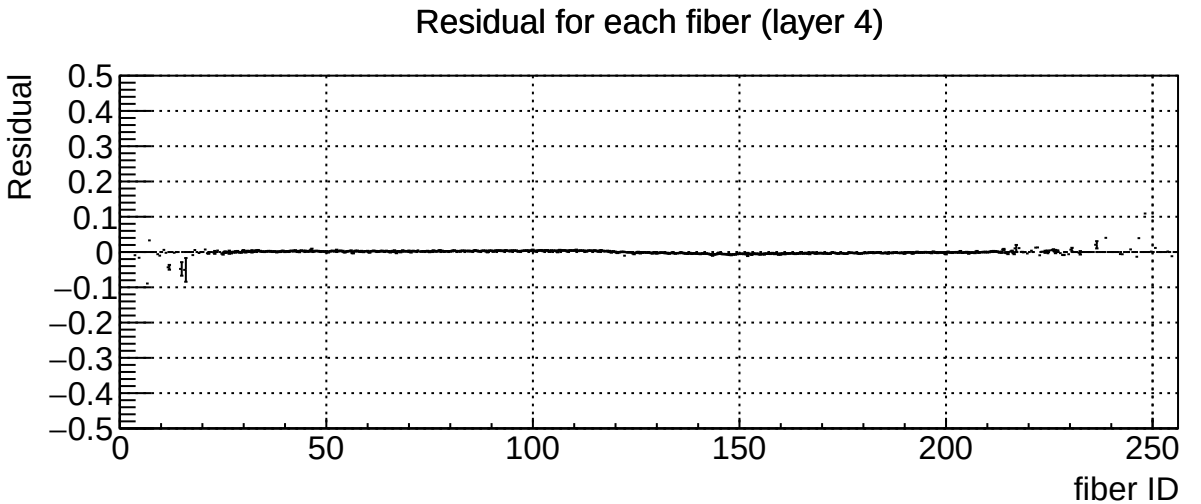

Residual of Layer 5
Entries 53276
Mean 2.596e−05
Std Dev 0.003297
counts
25000
20000
15000
10000
5000
0
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

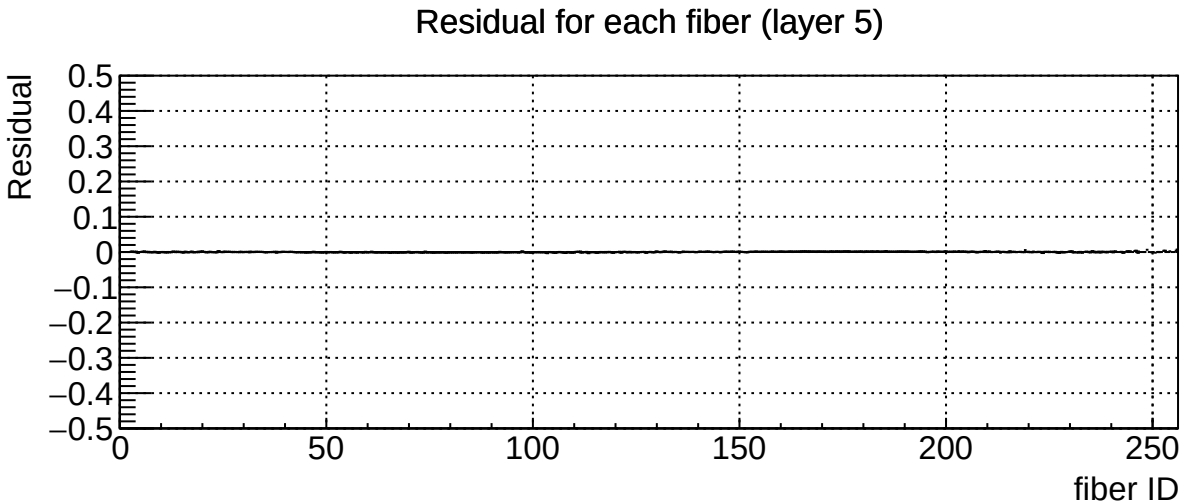

Residual of Layer 6
Entries 53277
Mean −0.01851
Std Dev 0.4886
counts
350
300
250
200
150
100
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

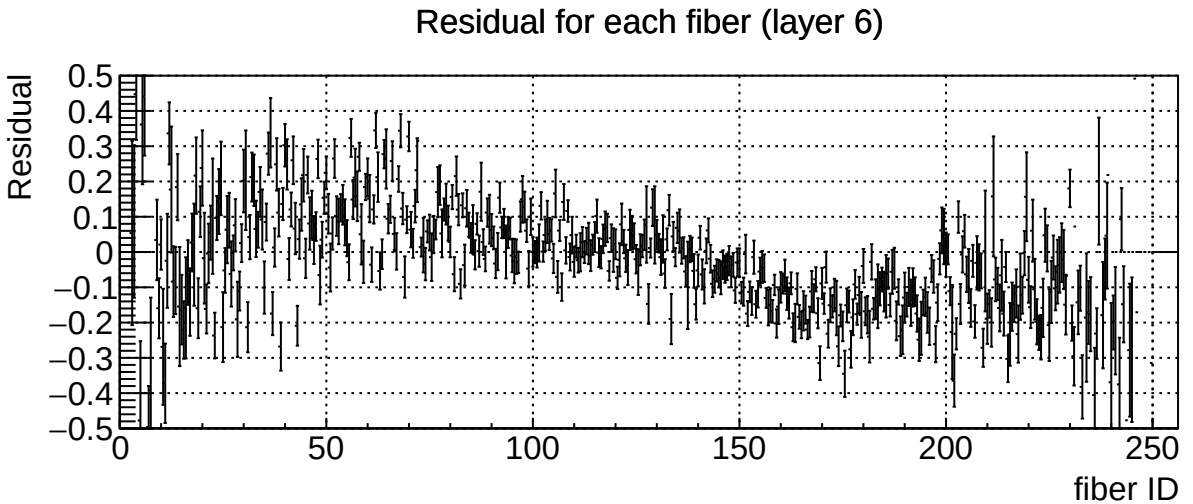

Residual for each fiber (layer 1)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID

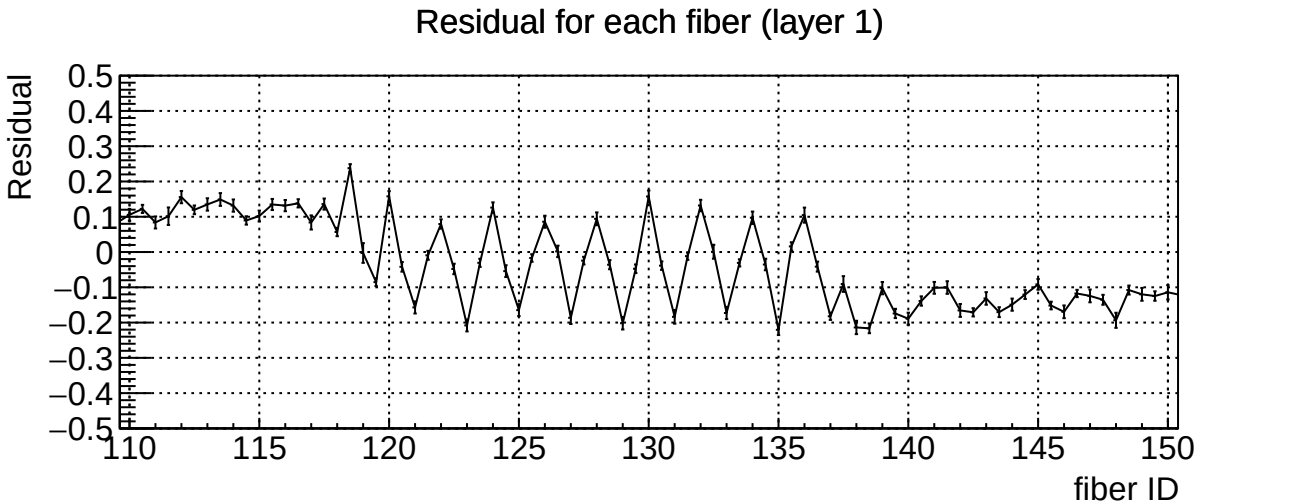

Residual for each fiber (layer 2)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID

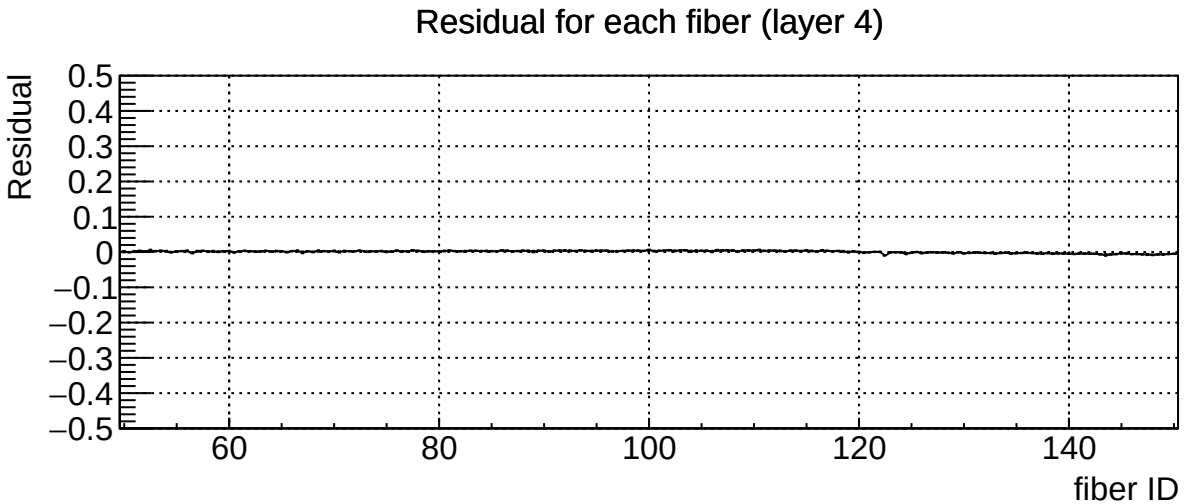

Residual for each fiber (layer 3)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID

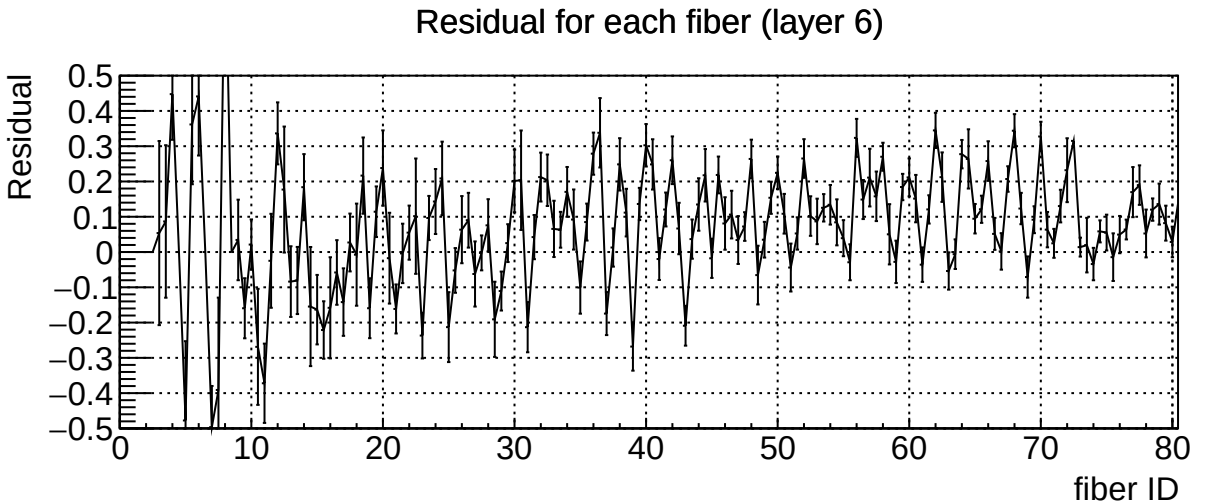

Residual for each fiber (layer 4)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID


Residual for each fiber (layer 5)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID


Residual for each fiber (layer 6)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID


Residual for each fiber (layer 1)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
110
115
120
125
130
135
140
145
150
fiber ID


Residual for each fiber (layer 4)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
60
80
100
120
140
fiber ID


Residual for each fiber (layer 6)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
10
20
30
40
50
60
70
80
fiber ID