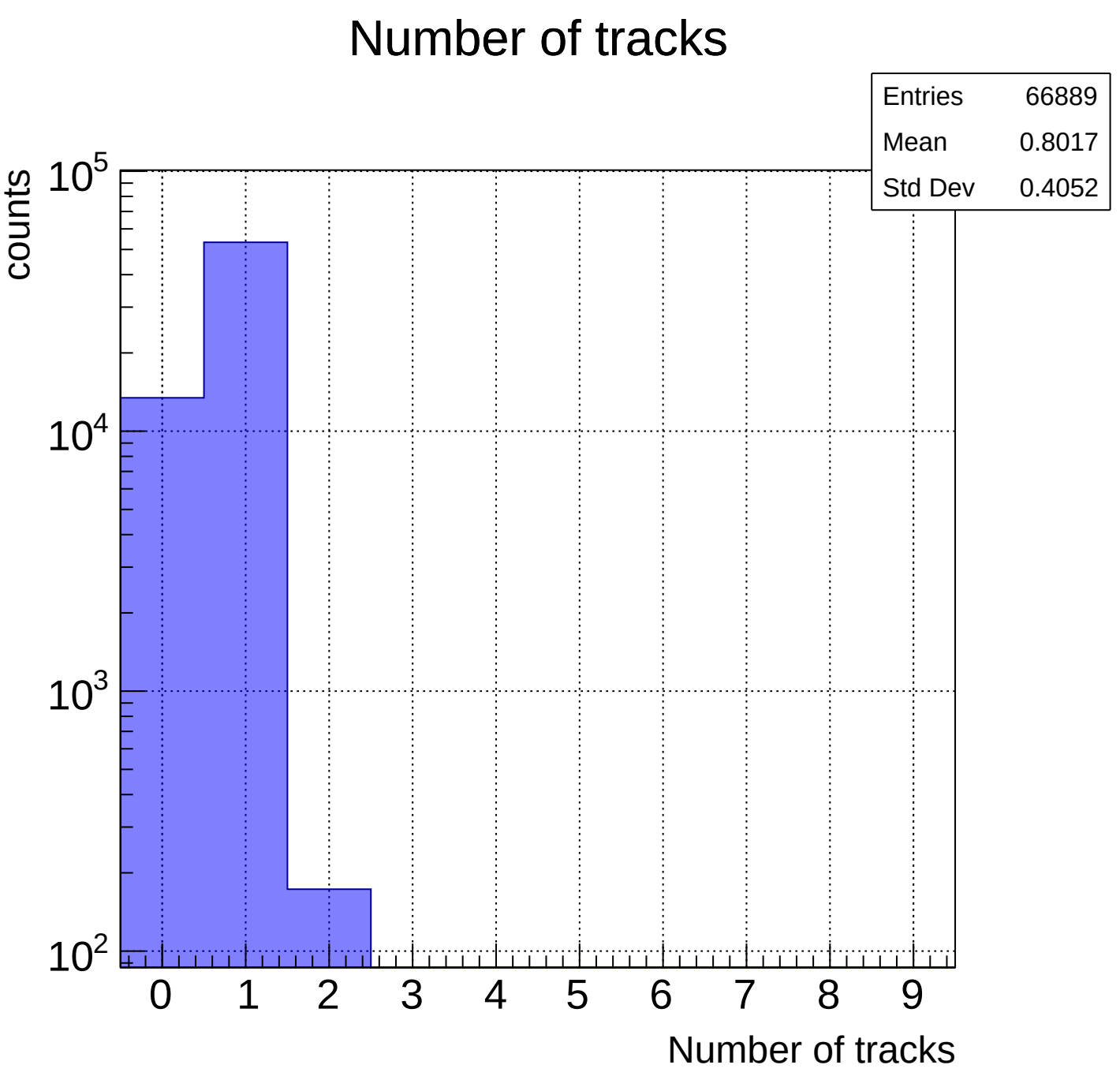
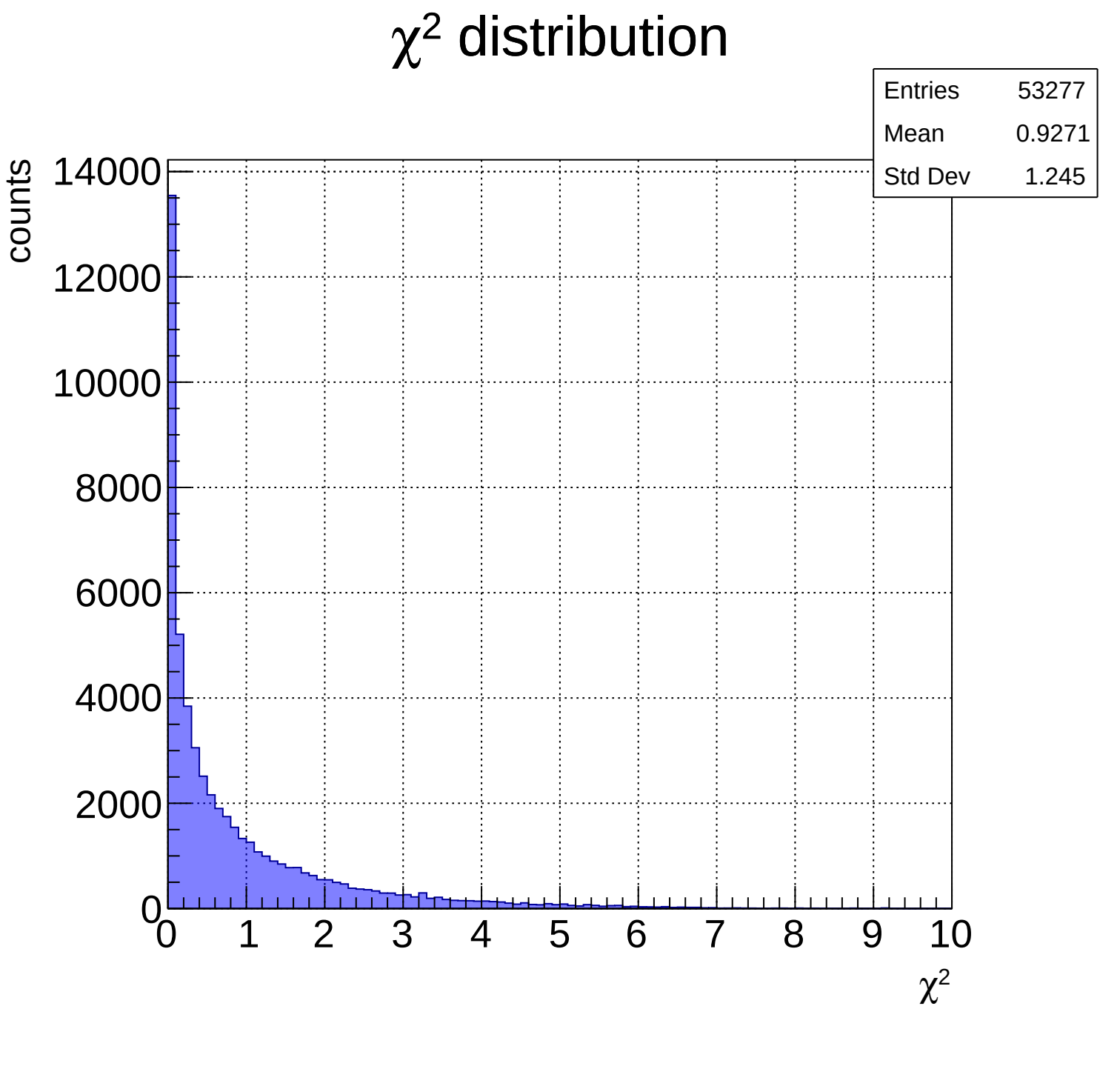
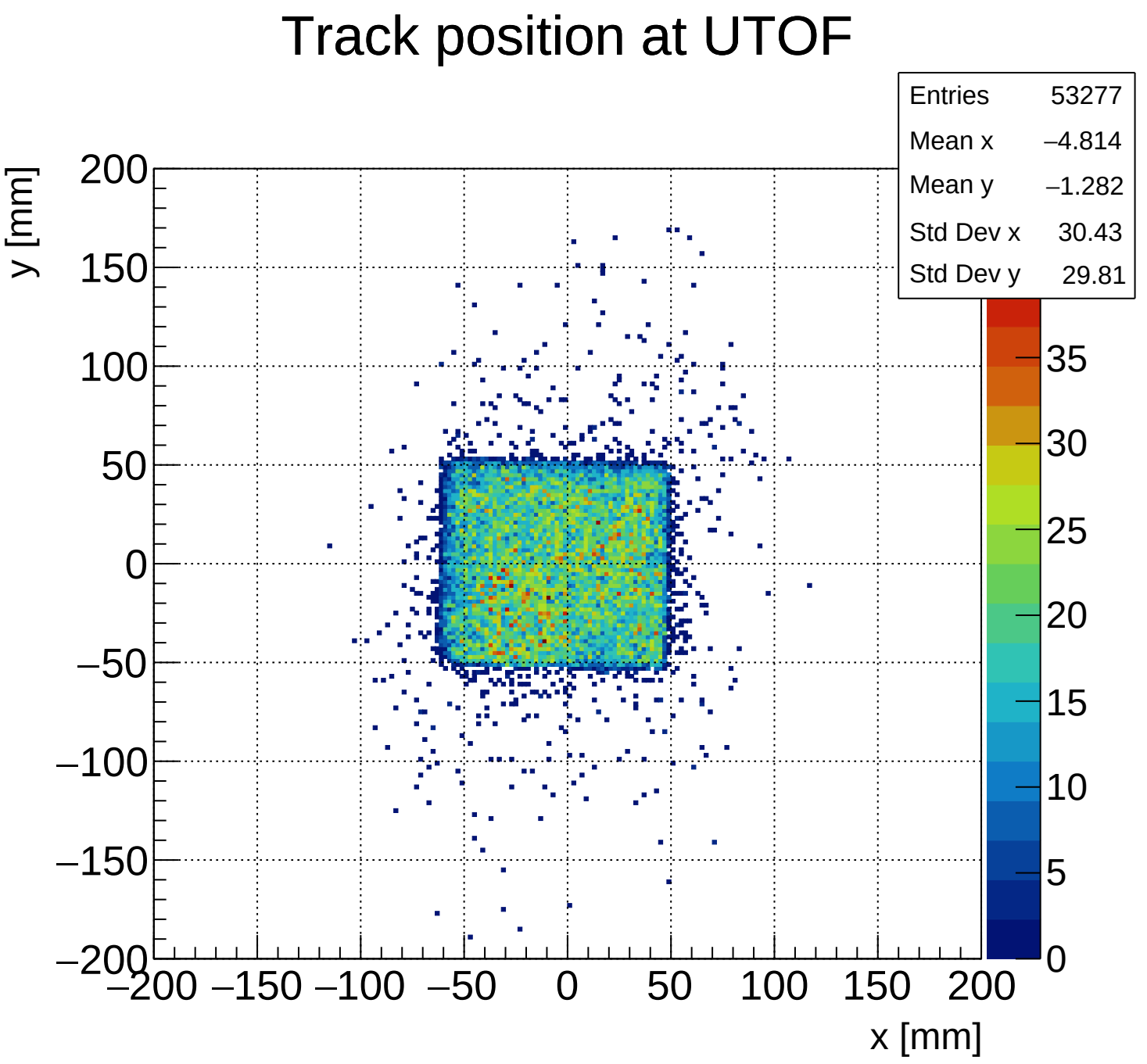
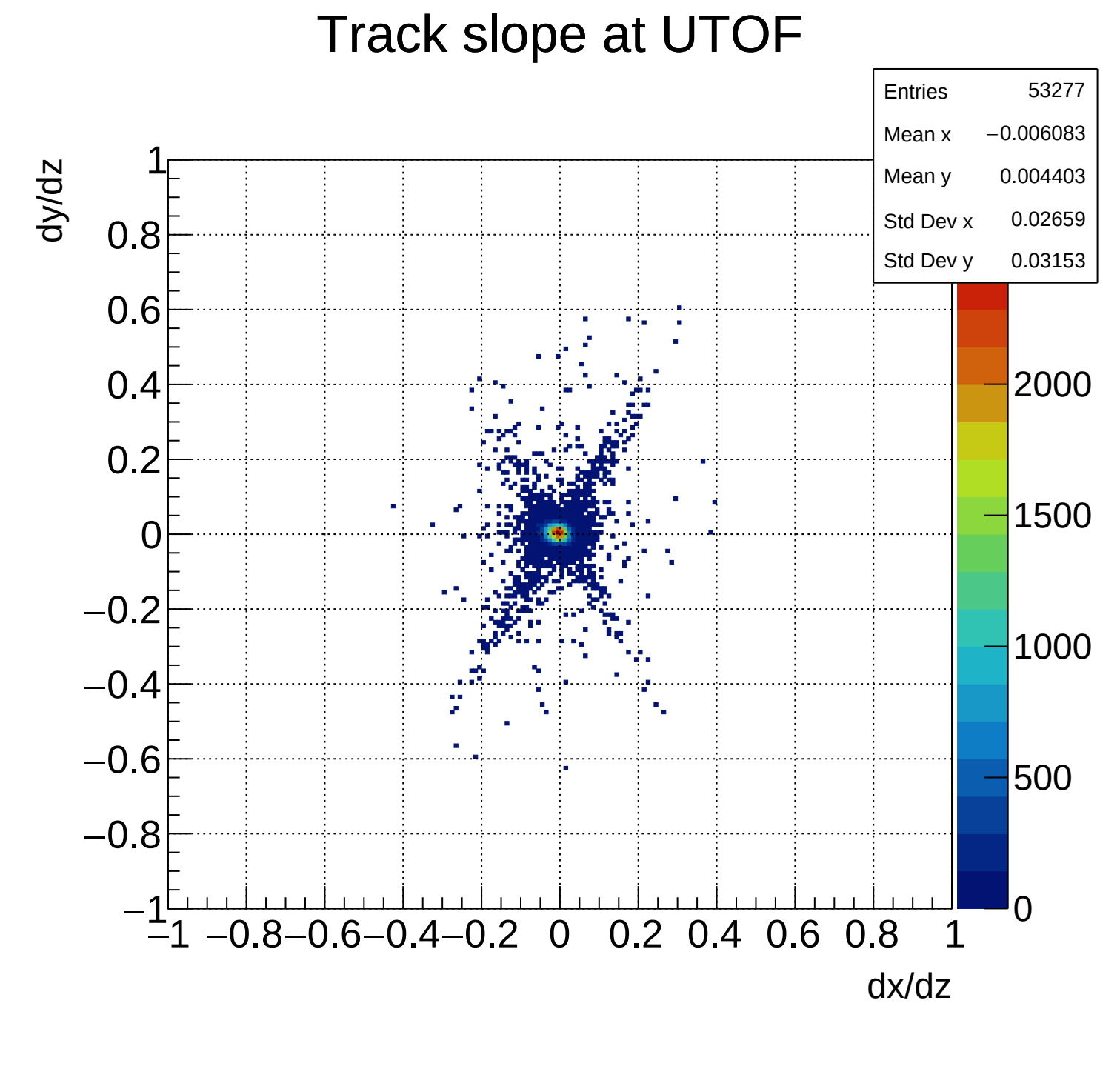
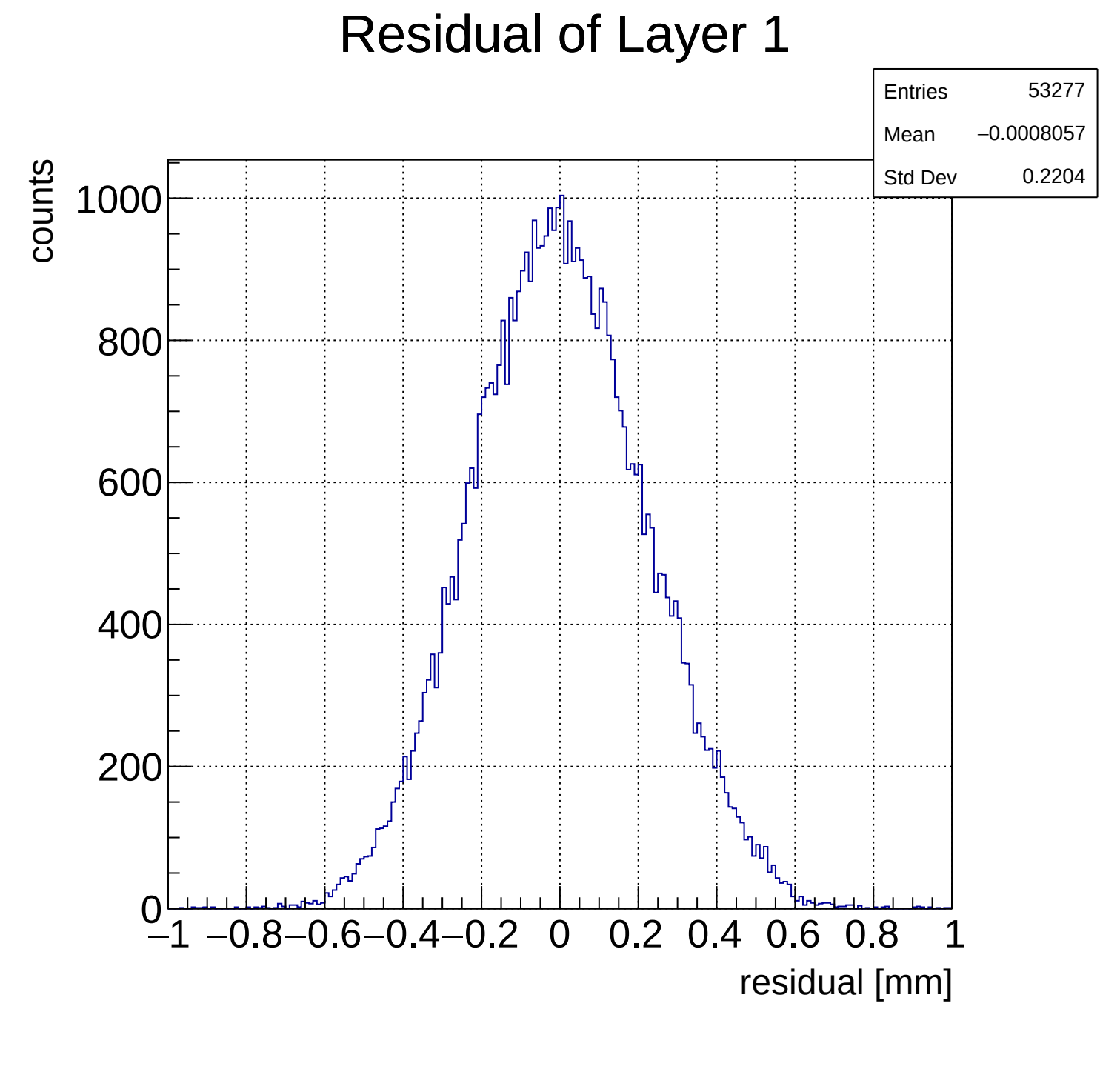
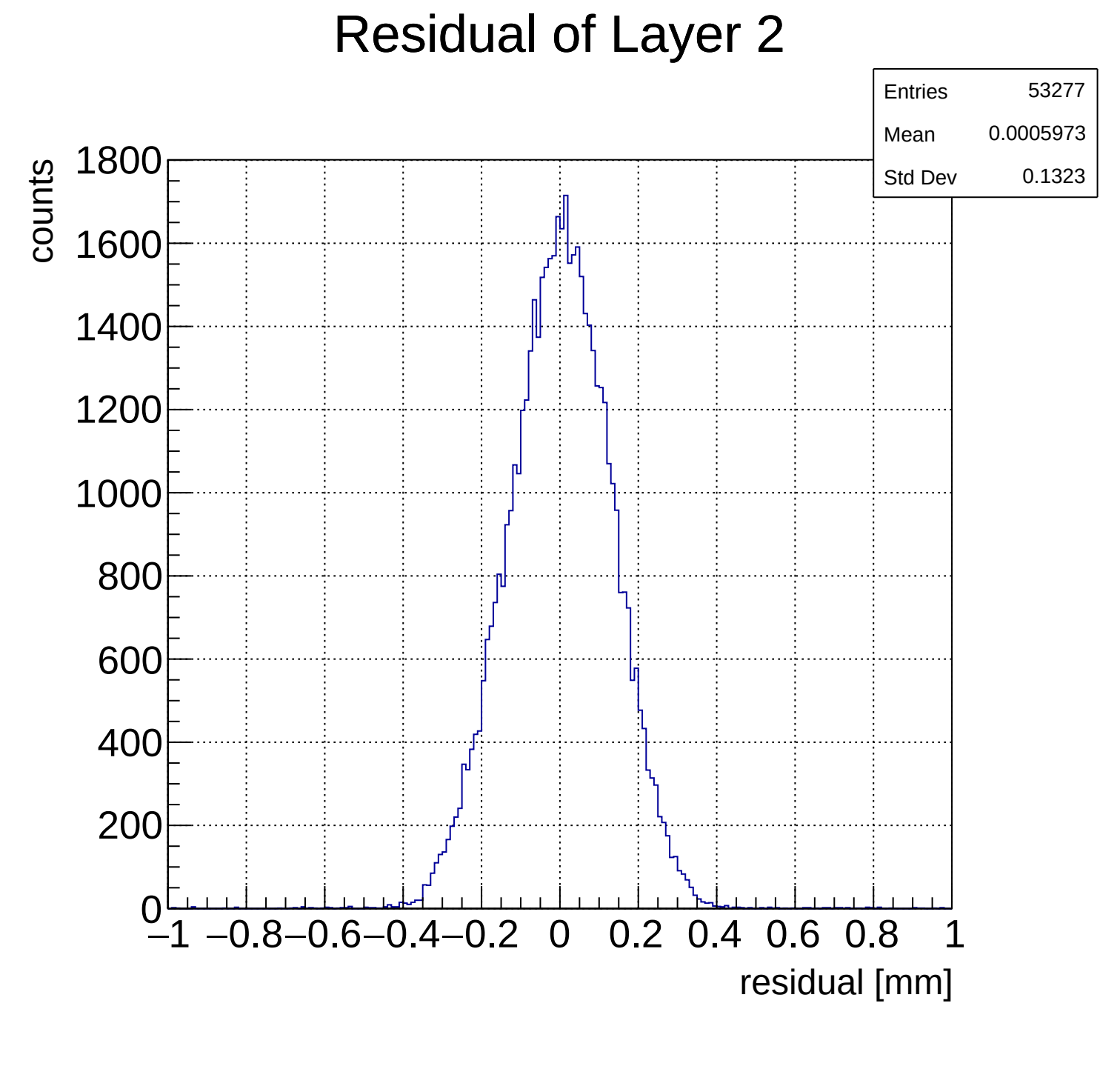

Number of tracks
Entries 66889
Mean 0.8017
Std Dev 0.4052
counts
10^5
10^4
10^3
10^2
0 1 2 3 4 5 6 7 8 9
Number of tracks

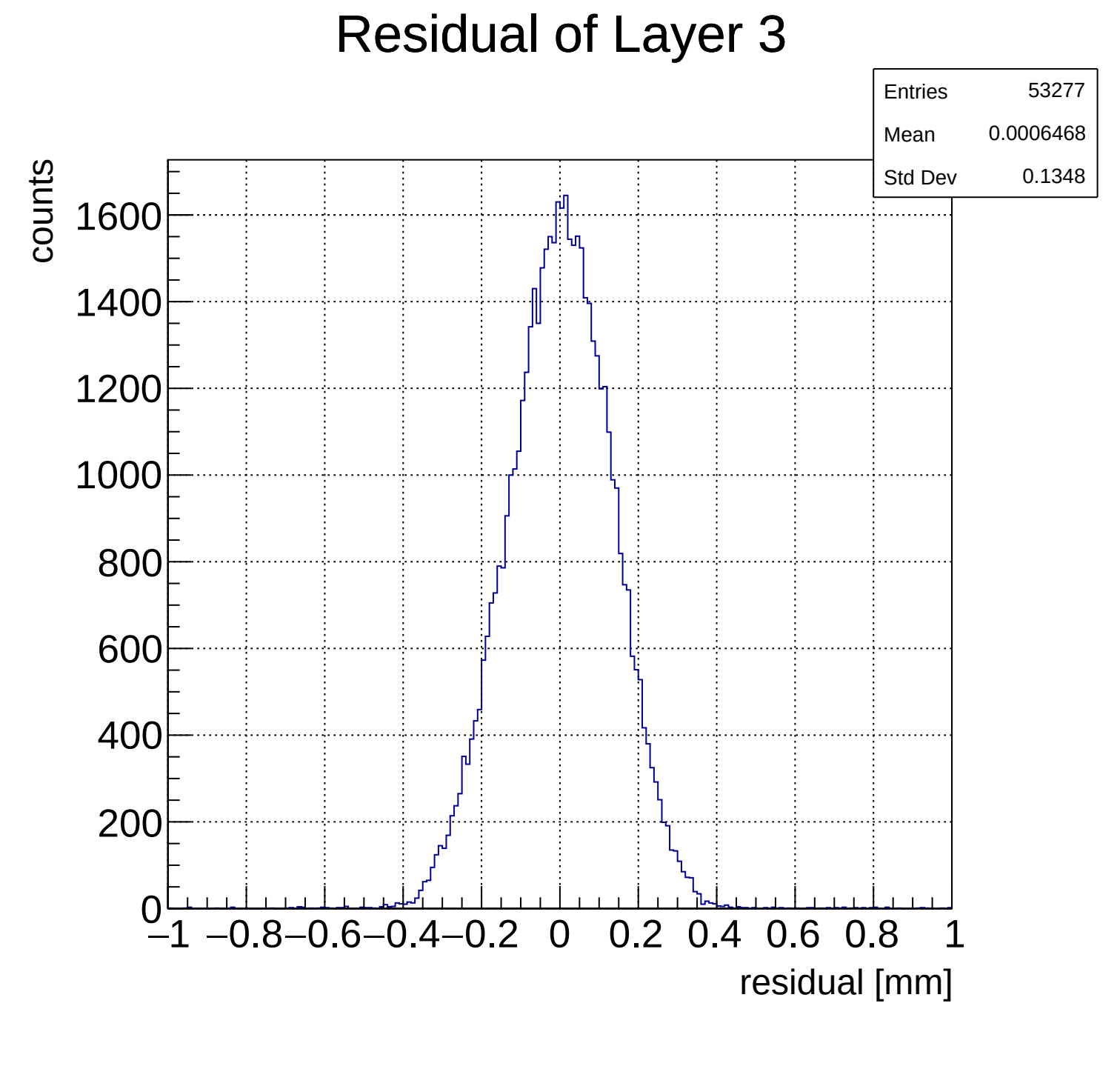

χ^2 distribution
Entries 53277
Mean 0.9271
Std Dev 1.245
counts
14000
12000
10000
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7 8 9 10
χ^2

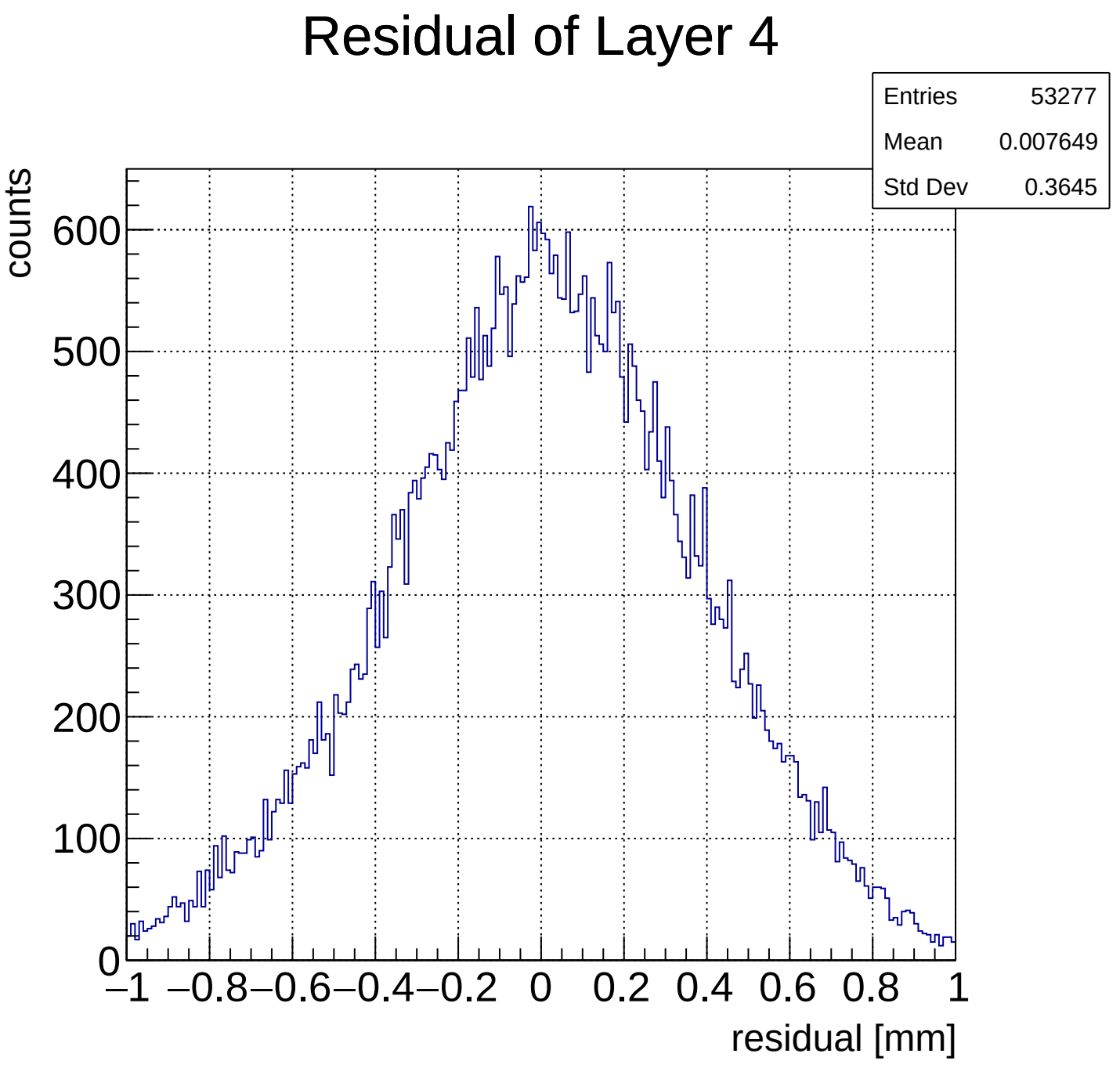

Track position at UTOF
Entries 53277
Mean x –4.814
Mean y –1.282
Std Dev x 30.43
Std Dev y 29.81
y [mm]
x [mm]
200
150
100
50
0
–50
–100
–150
–200
–200 –150 –100 –50 0 50 100 150 200
35
30
25
20
15
10
5
0

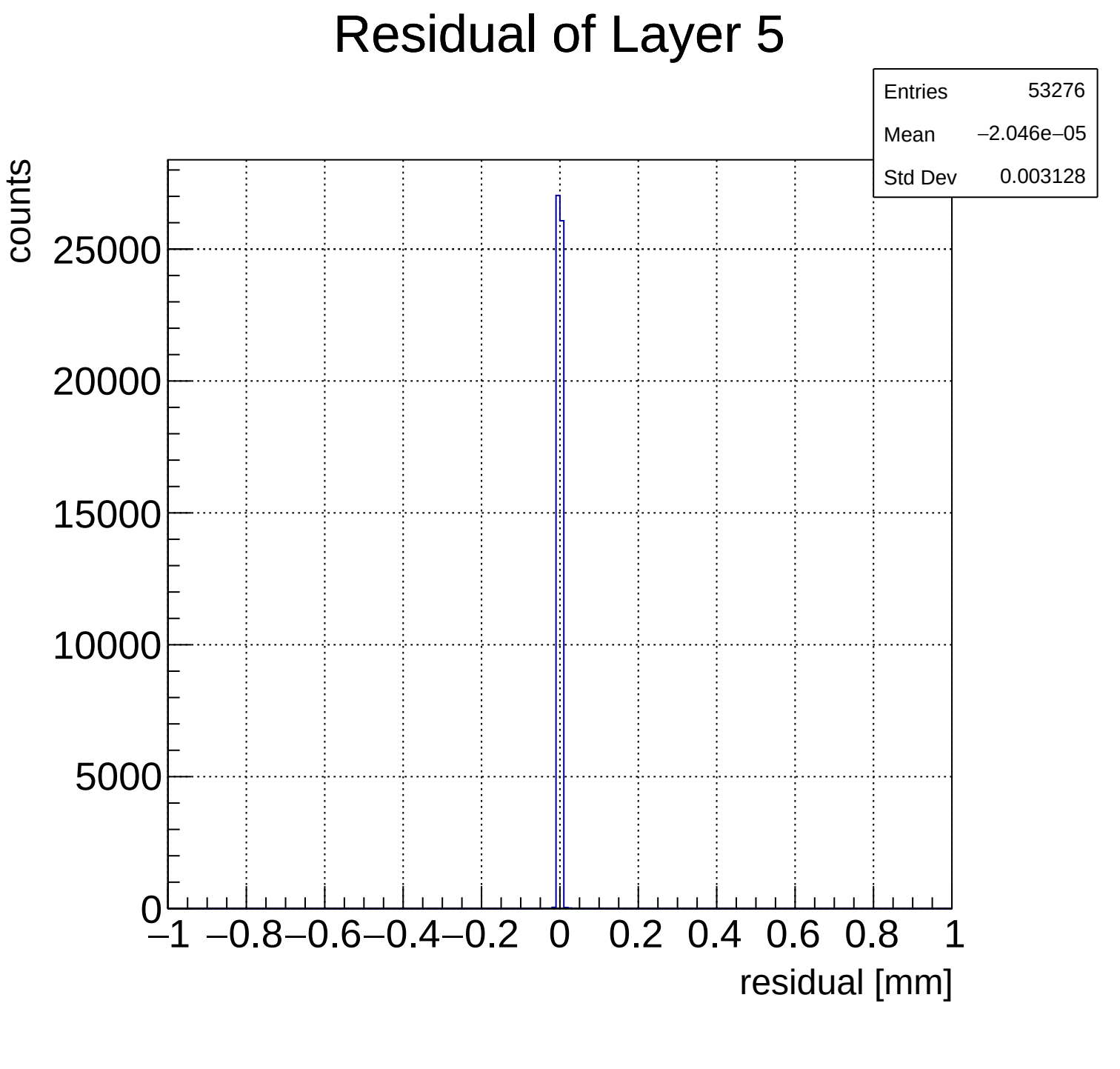

Track slope at UTOF
Entries 53277
Mean x −0.006083
Mean y 0.004403
Std Dev x 0.02659
Std Dev y 0.03153
dy/dz
dx/dz
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
2000
1500
1000
500
0

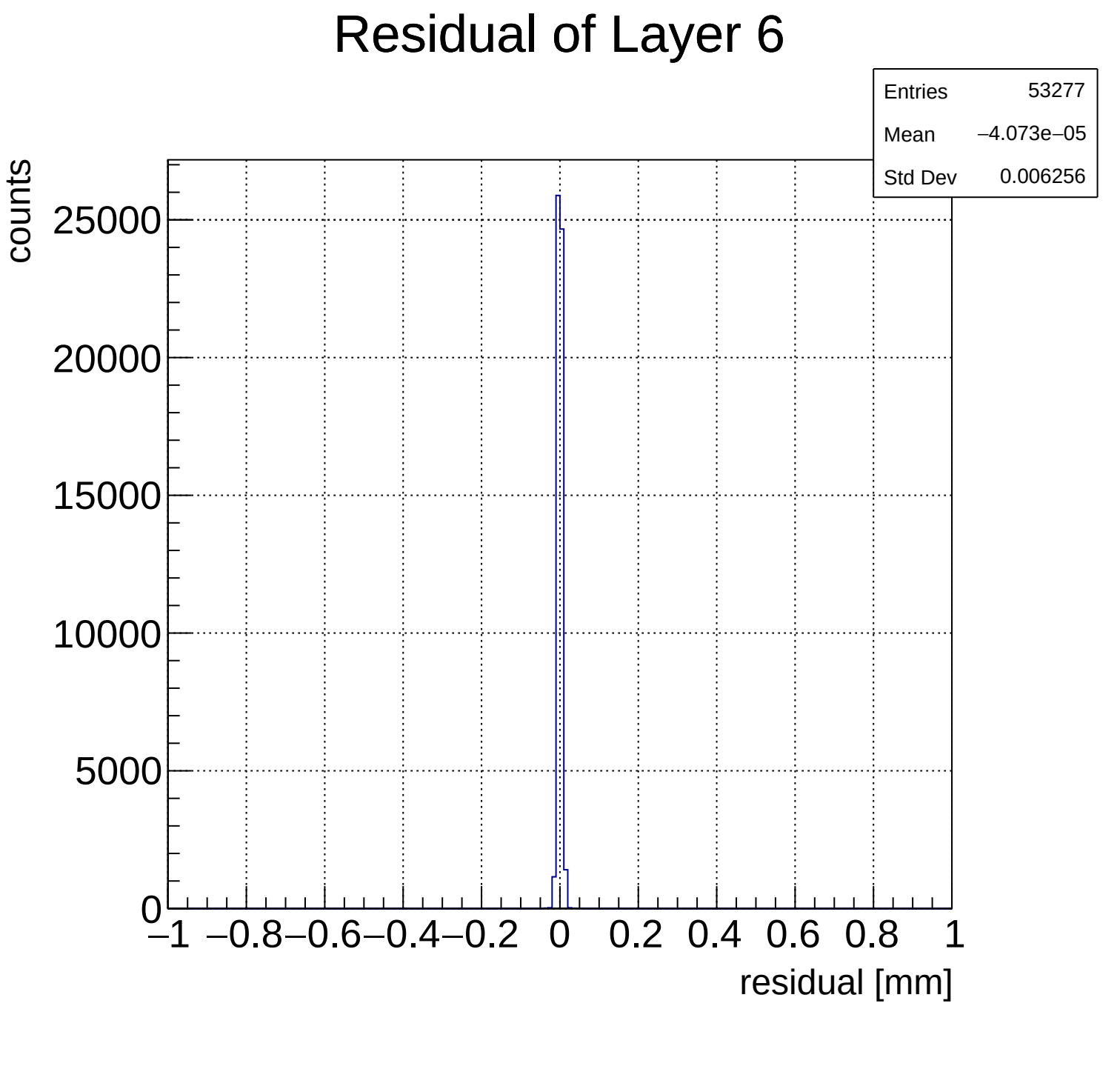

Residual of Layer 1
Entries 53277
Mean −0.0008057
Std Dev 0.2204
counts
1000
800
600
400
200
0
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

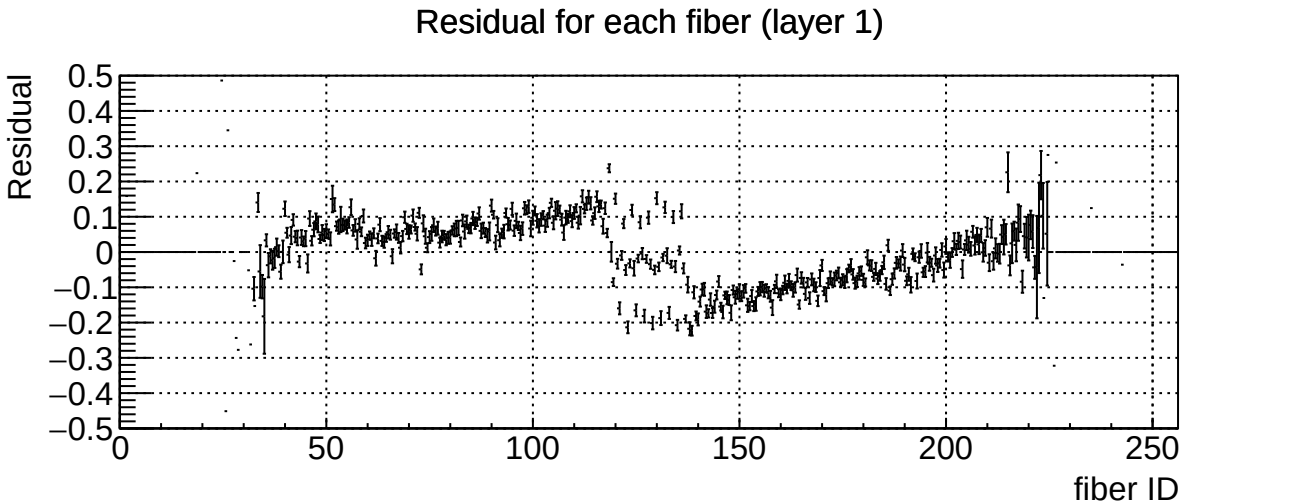

Residual of Layer 2
Entries 53277
Mean 0.0005973
Std Dev 0.1323
counts
1800
1600
1400
1200
1000
800
600
400
200
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
residual [mm]

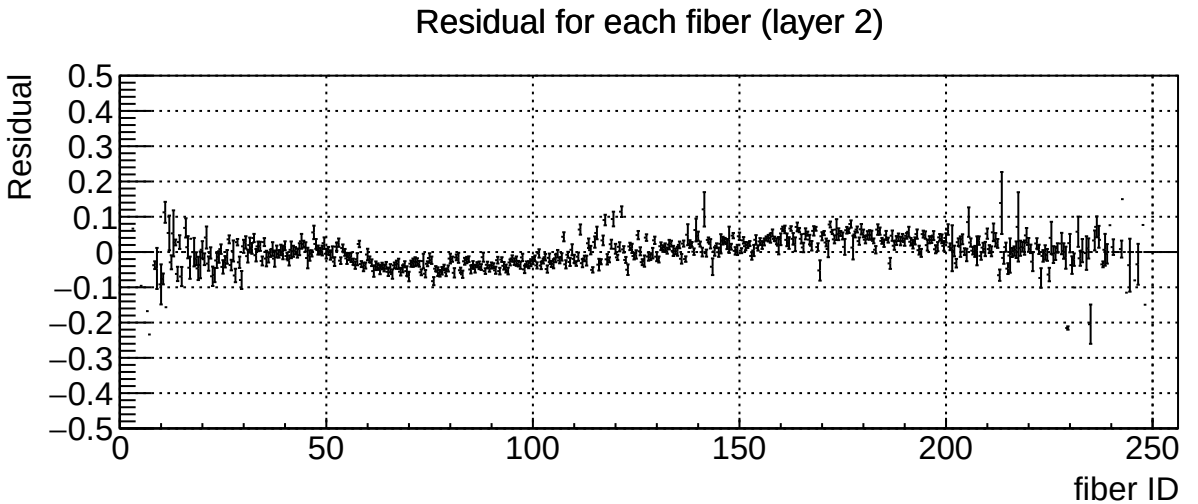

Residual of Layer 3
Entries 53277
Mean 0.0006468
Std Dev 0.1348
counts
1600
1400
1200
1000
800
600
400
200
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
residual [mm]

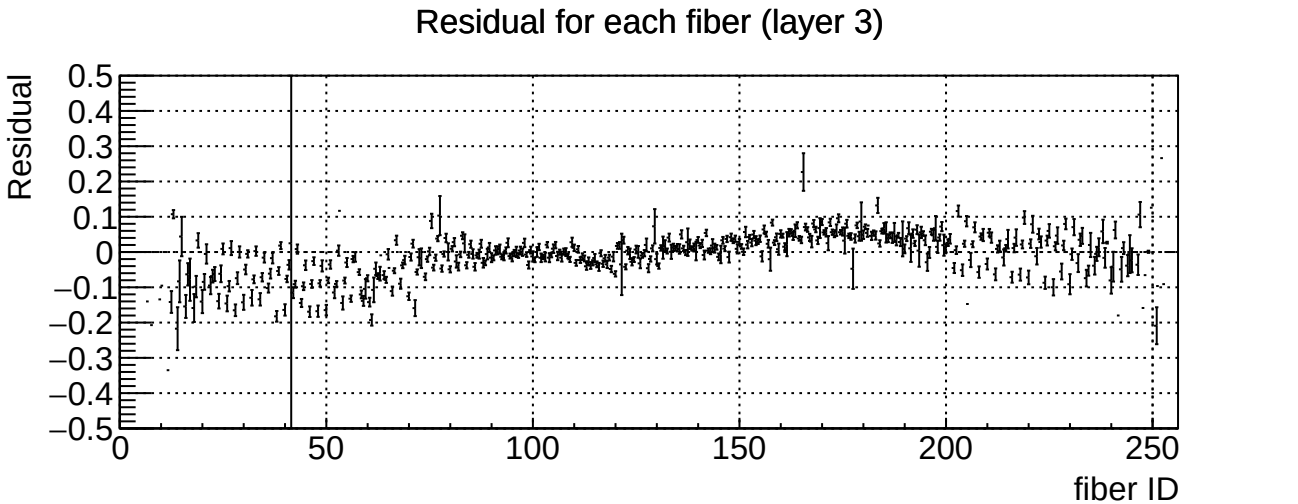

Residual of Layer 4
Entries 53277
Mean 0.007649
Std Dev 0.3645
counts
600
500
400
300
200
100
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
residual [mm]

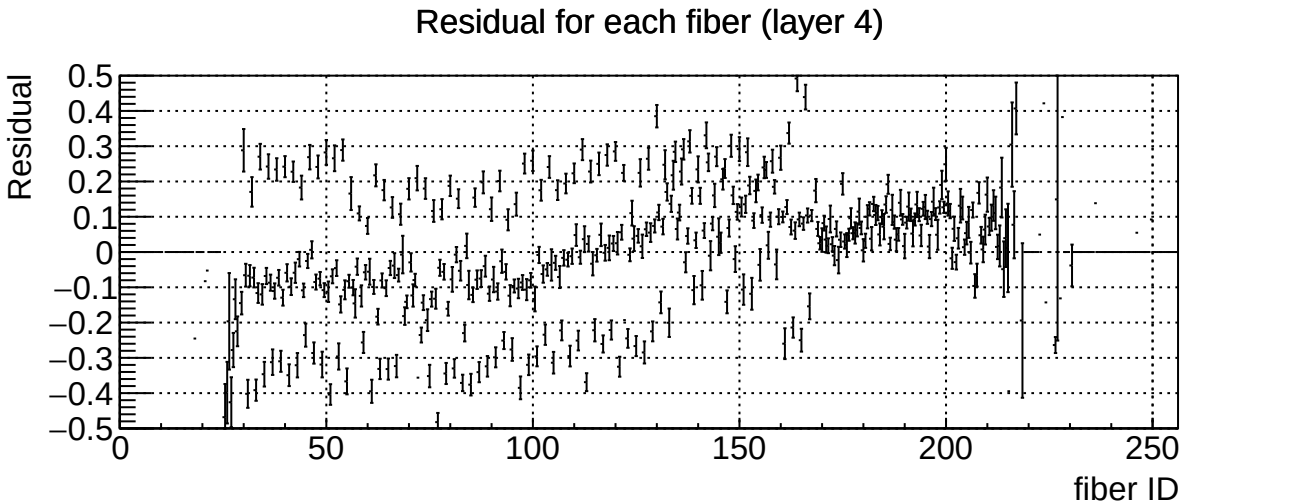

Residual of Layer 5
Entries 53276
Mean −2.046e−05
Std Dev 0.003128
counts
25000
20000
15000
10000
5000
0
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

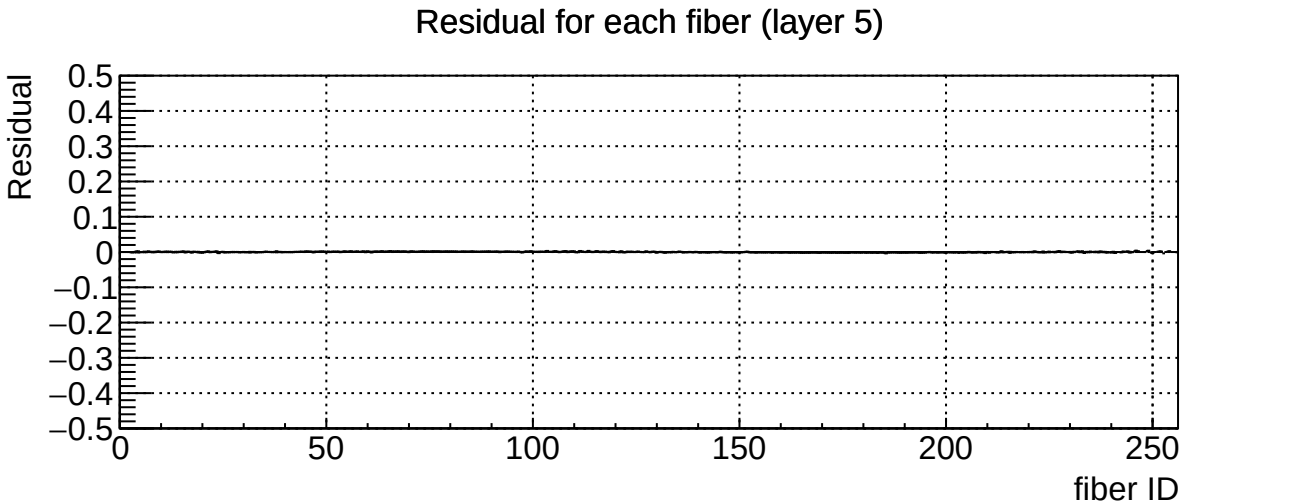

Residual of Layer 6
Entries 53277
Mean −4.073e−05
Std Dev 0.006256
counts
25000
20000
15000
10000
5000
0
−1 −0.8 −0.6 −0.4 −0.2 0 0.2 0.4 0.6 0.8 1
residual [mm]

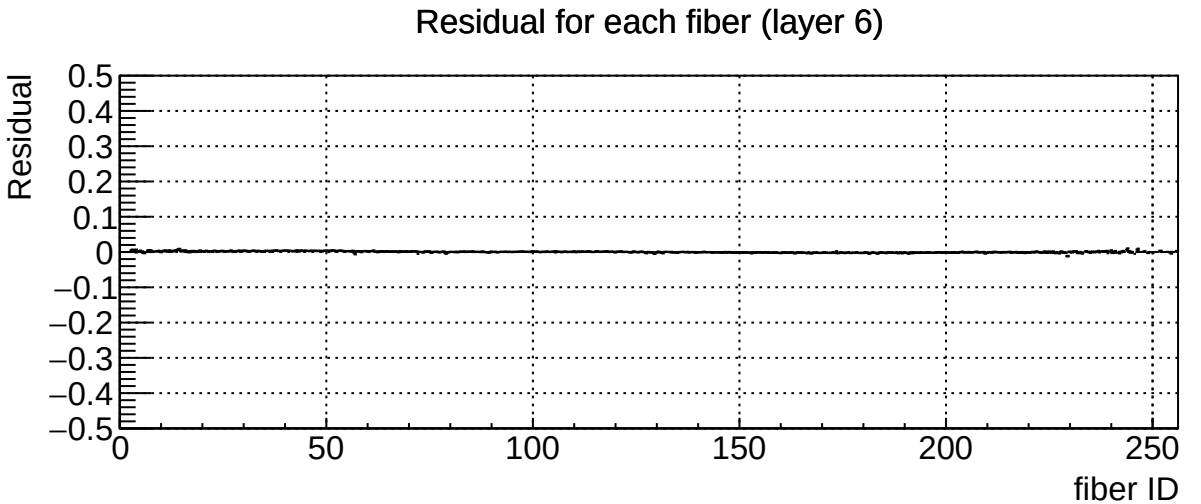

Residual for each fiber (layer 1)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID

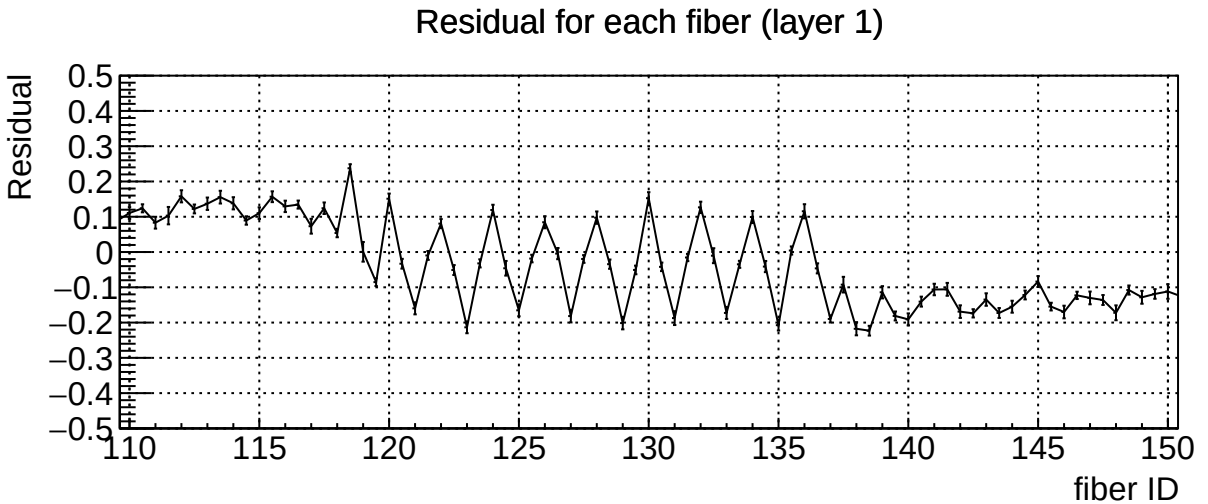

Residual for each fiber (layer 2)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID

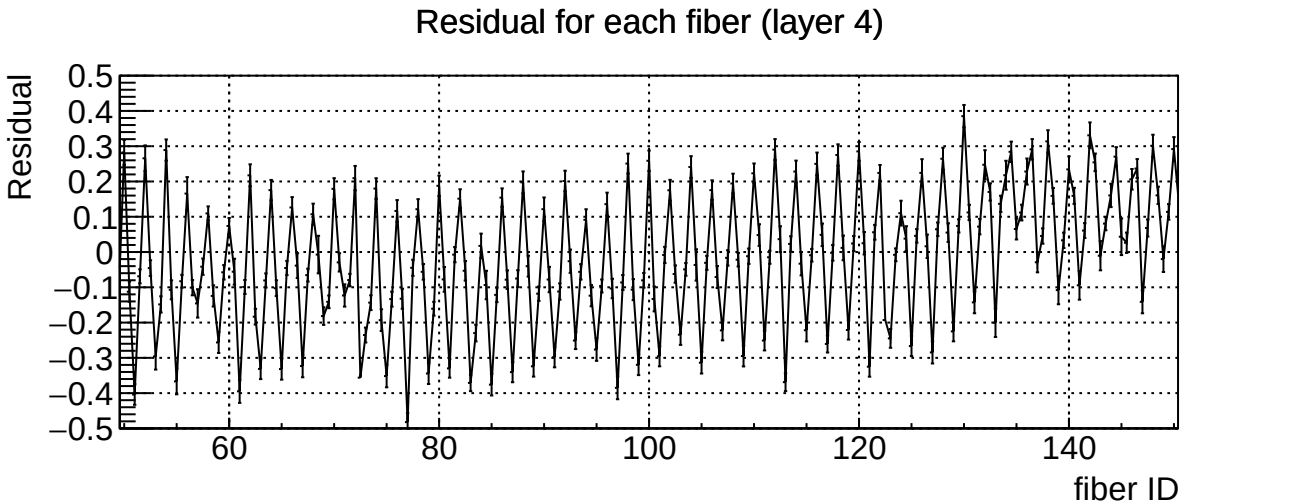

Residual for each fiber (layer 3)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID

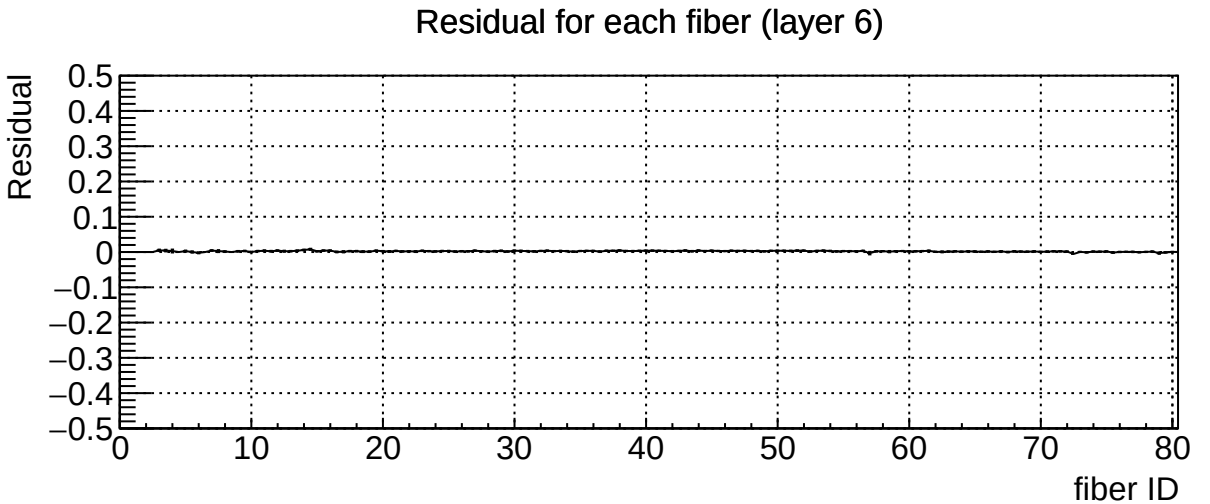

Residual for each fiber (layer 4)
Residual
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
0
50
100
150
200
250
fiber ID


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