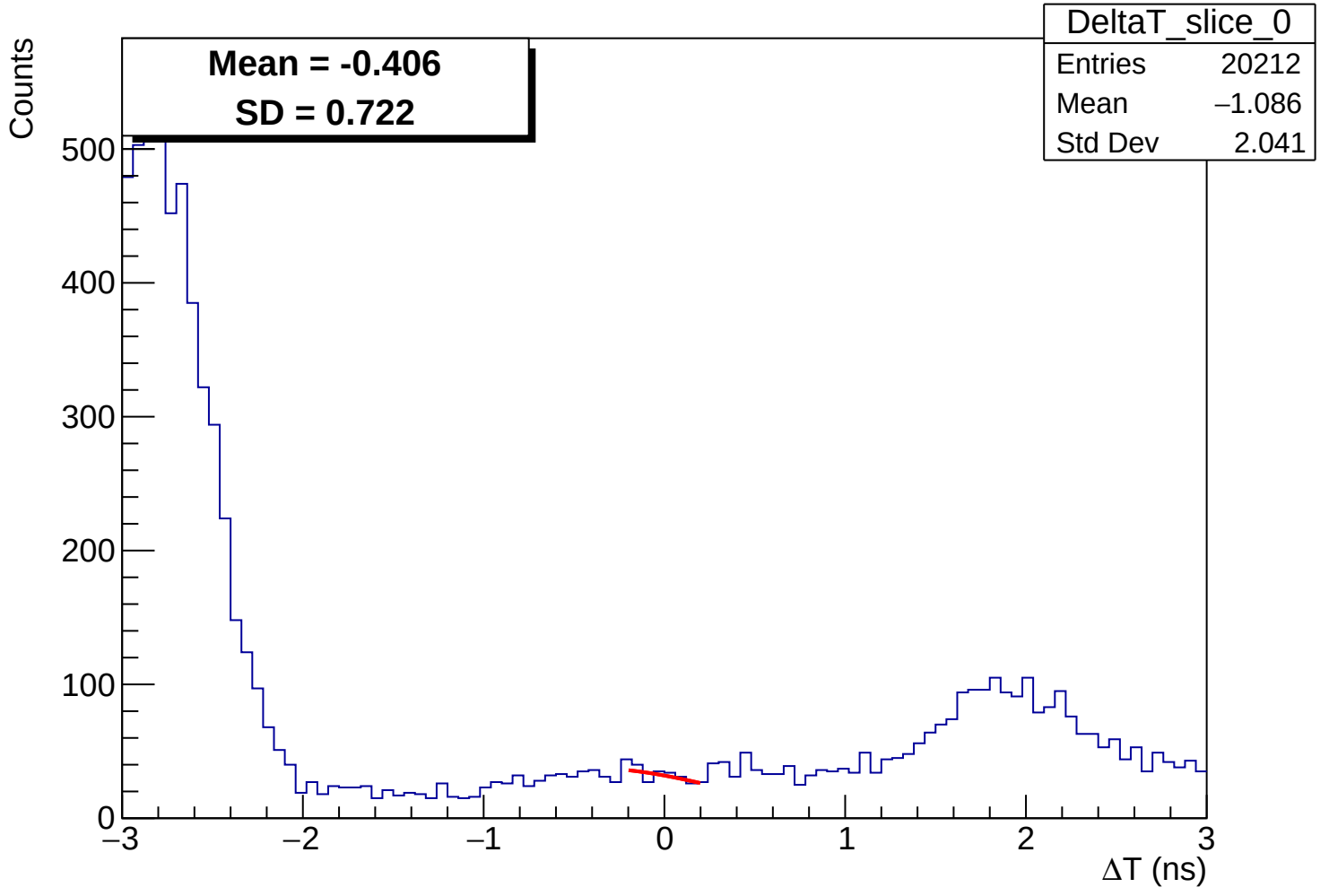
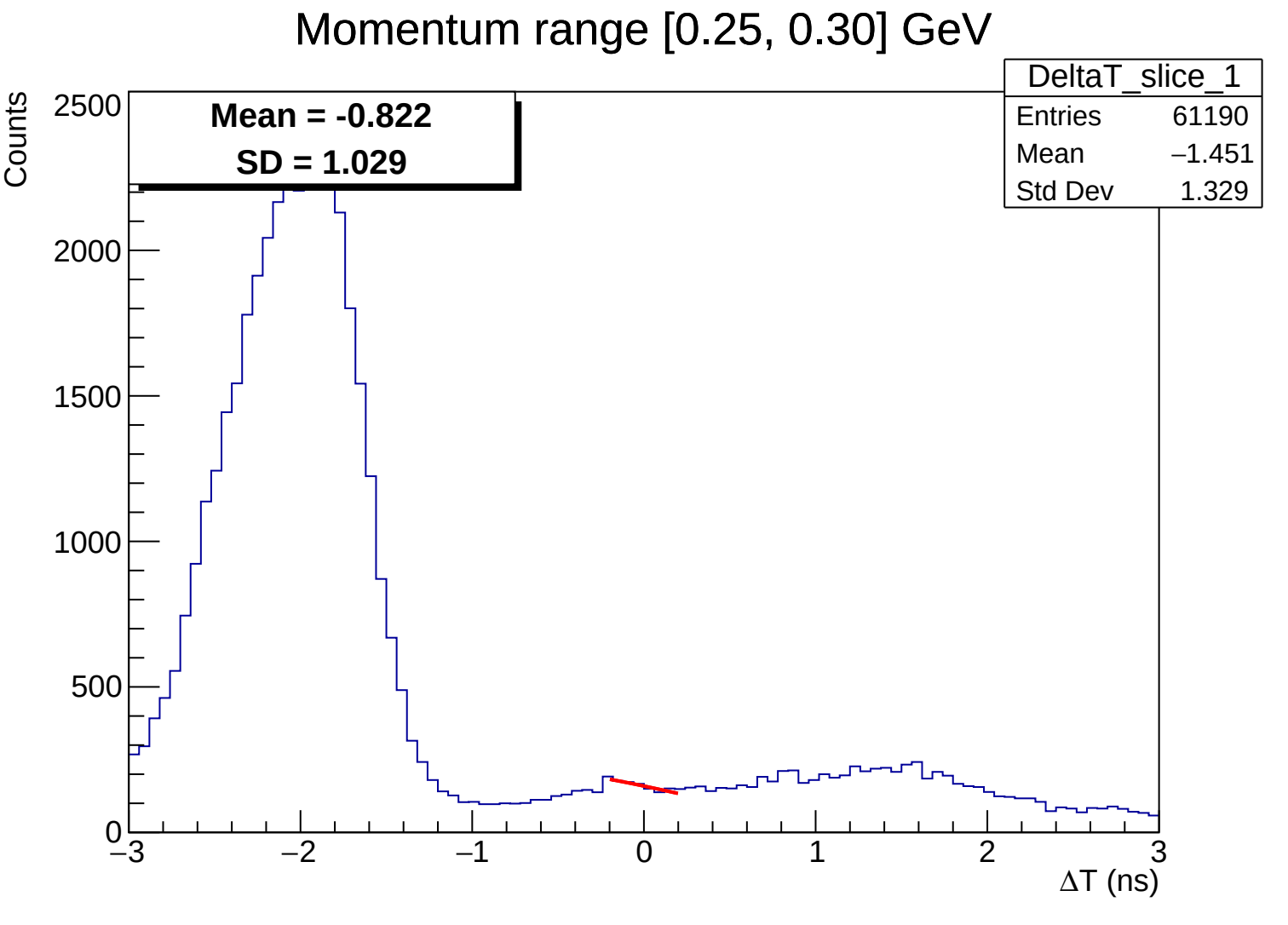
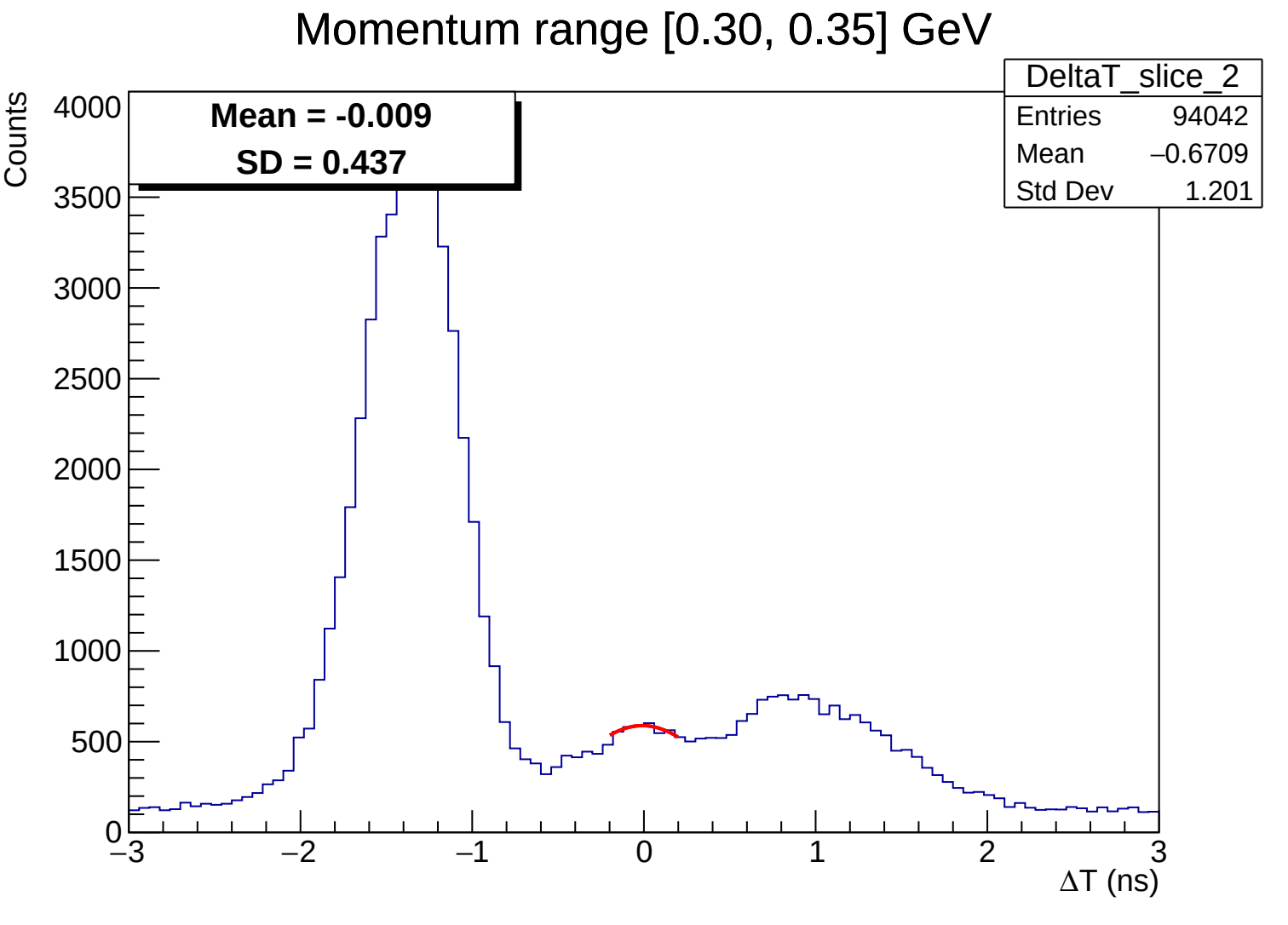
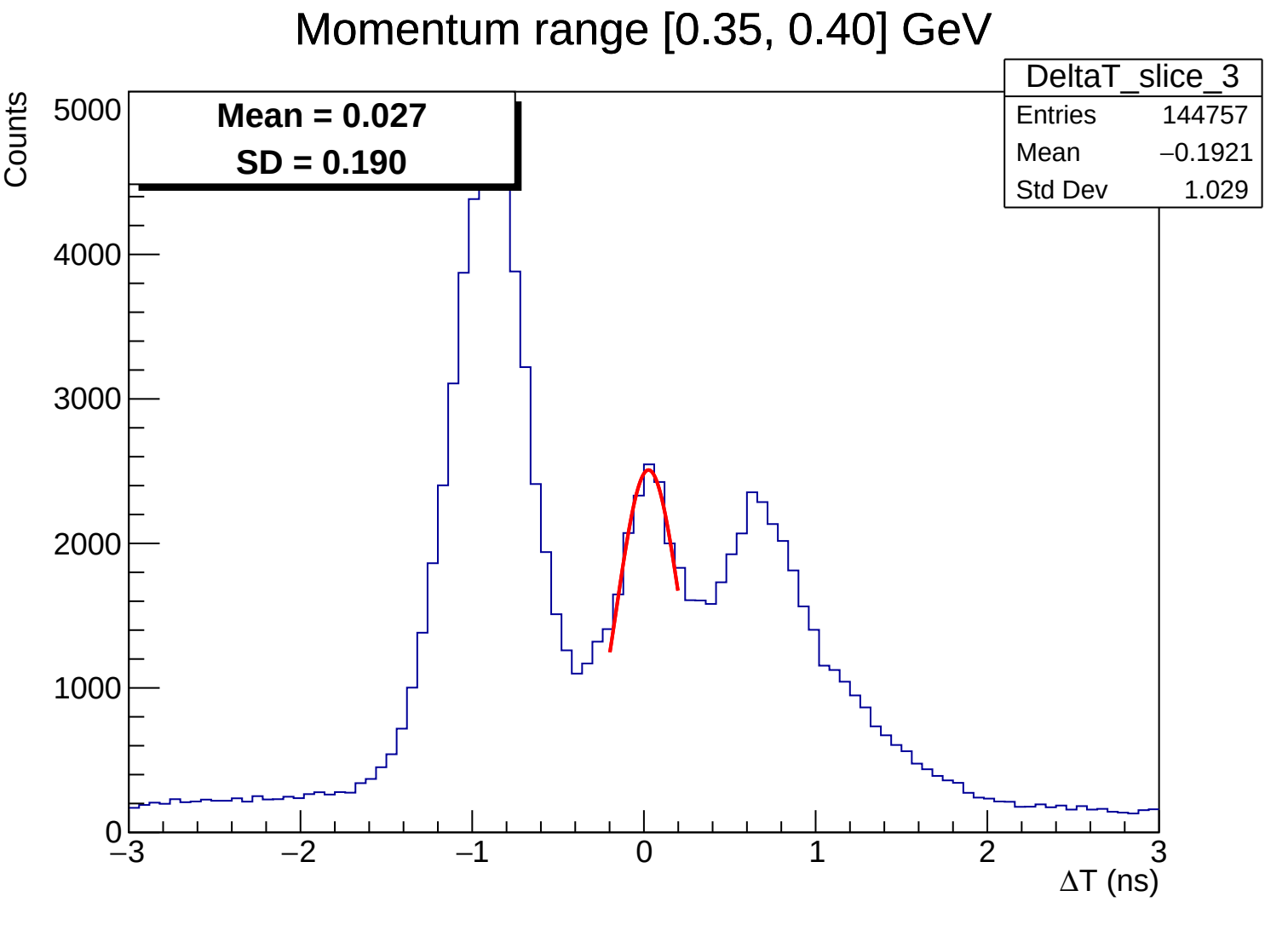
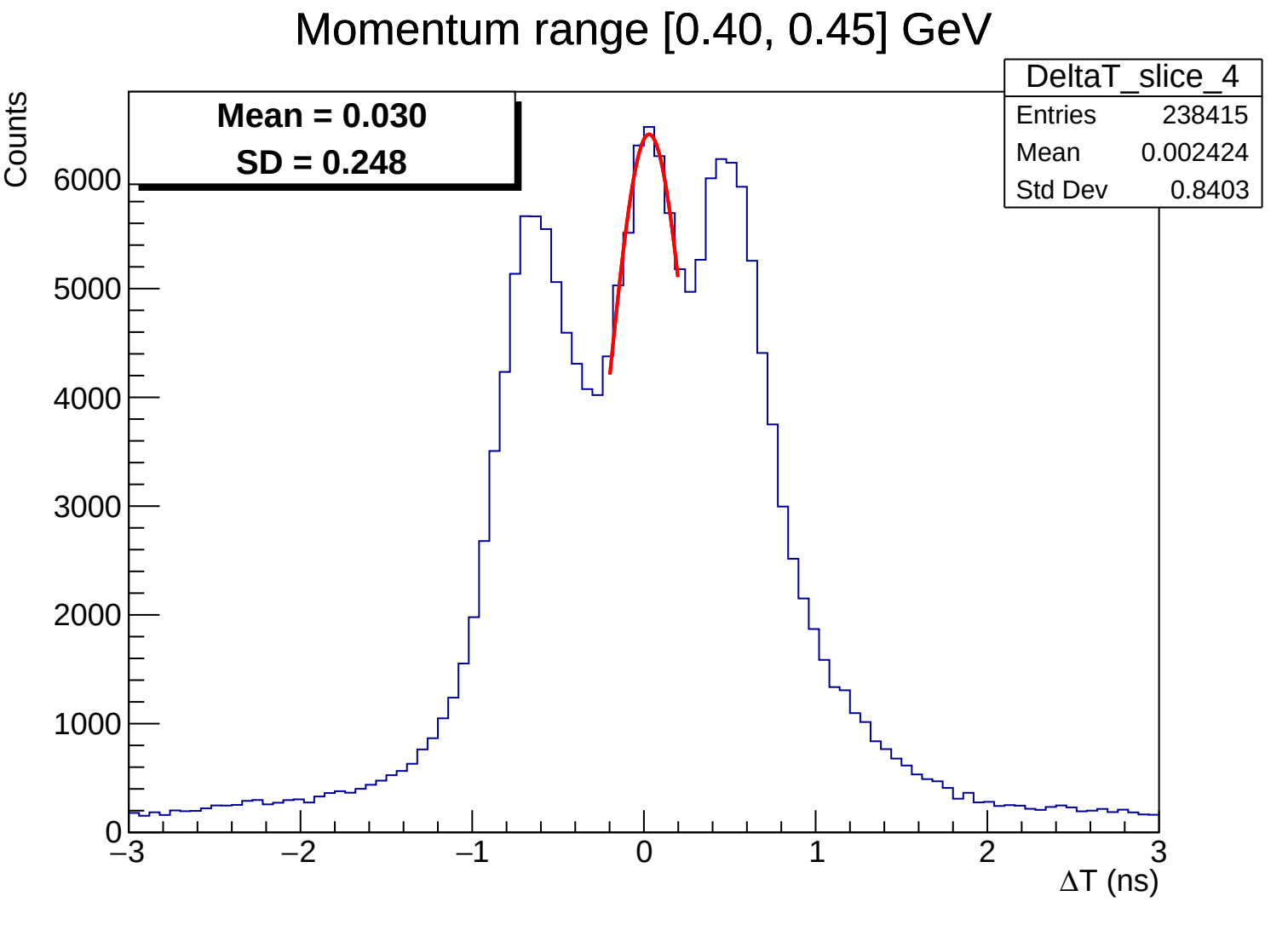
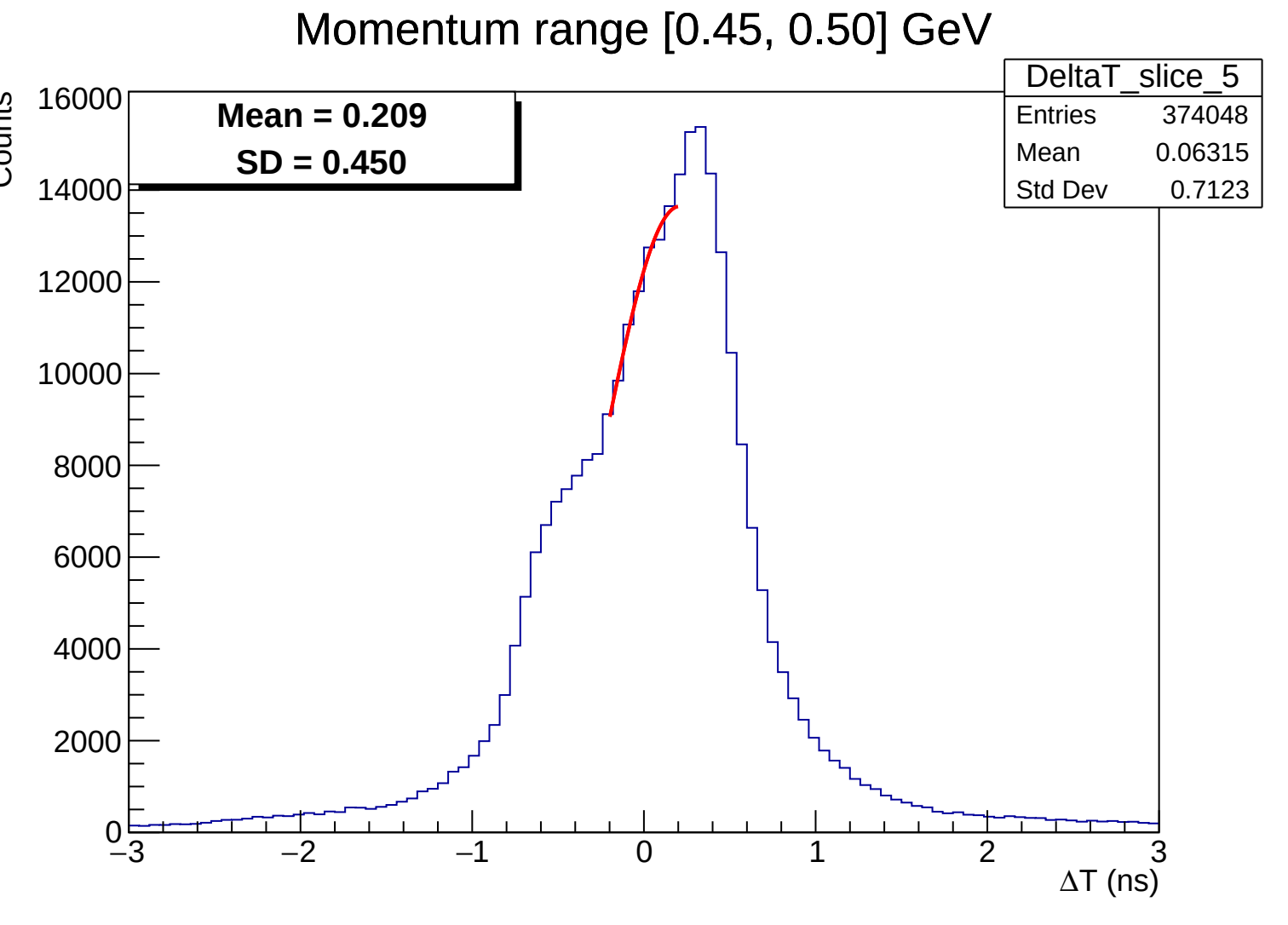

Momentum range [0.20, 0.25] GeV
Mean = -0.406
SD = 0.722
DeltaT_slice_0
Entries 20212
Mean −1.086
Std Dev 2.041
Counts
0
100
200
300
400
500
−3
−2
−1
0
1
2
3
ΔT (ns)

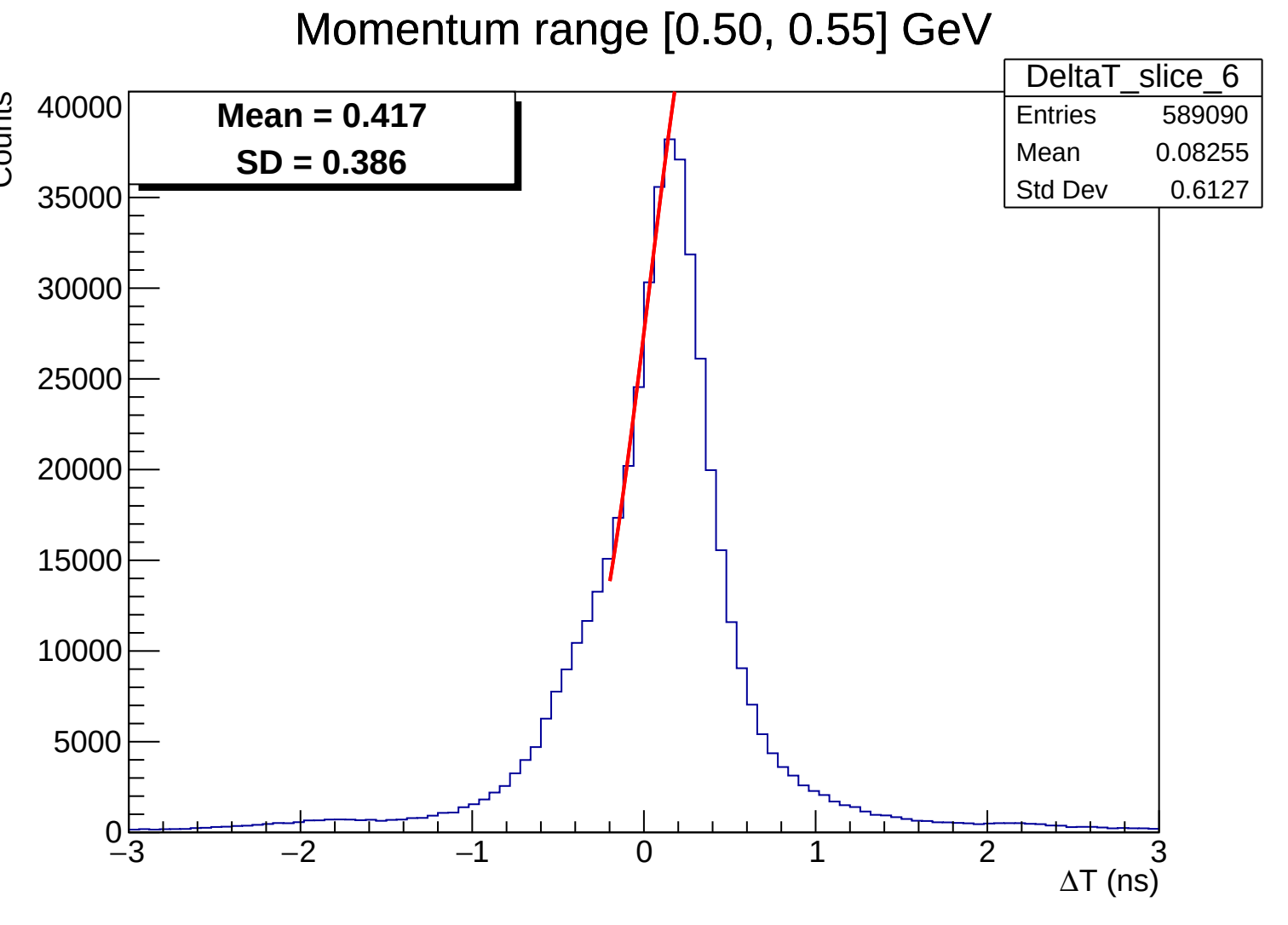

Momentum range [0.25, 0.30] GeV
DeltaT_slice_1
Entries 61190
Mean –1.451
Std Dev 1.329
Mean = -0.822
SD = 1.029
Counts
2500
2000
1500
1000
500
0
–3
–2
–1
0
1
2
3
ΔT (ns)

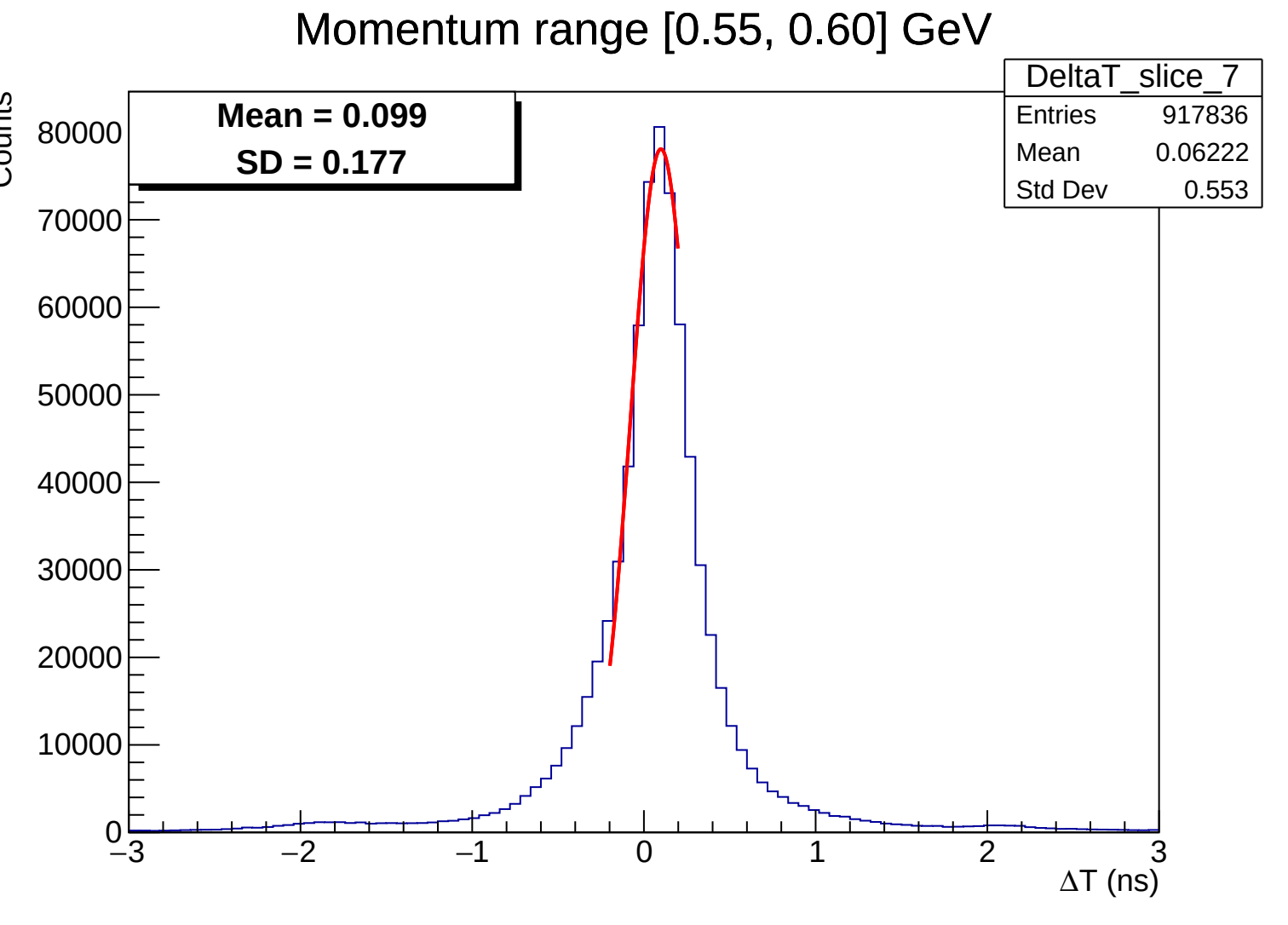

Momentum range [0.30, 0.35] GeV
Mean = -0.009
SD = 0.437
DeltaT_slice_2
Entries 94042
Mean –0.6709
Std Dev 1.201
Counts
4000
3500
3000
2500
2000
1500
1000
500
0
–3
–2
–1
0
1
2
3
ΔT (ns)

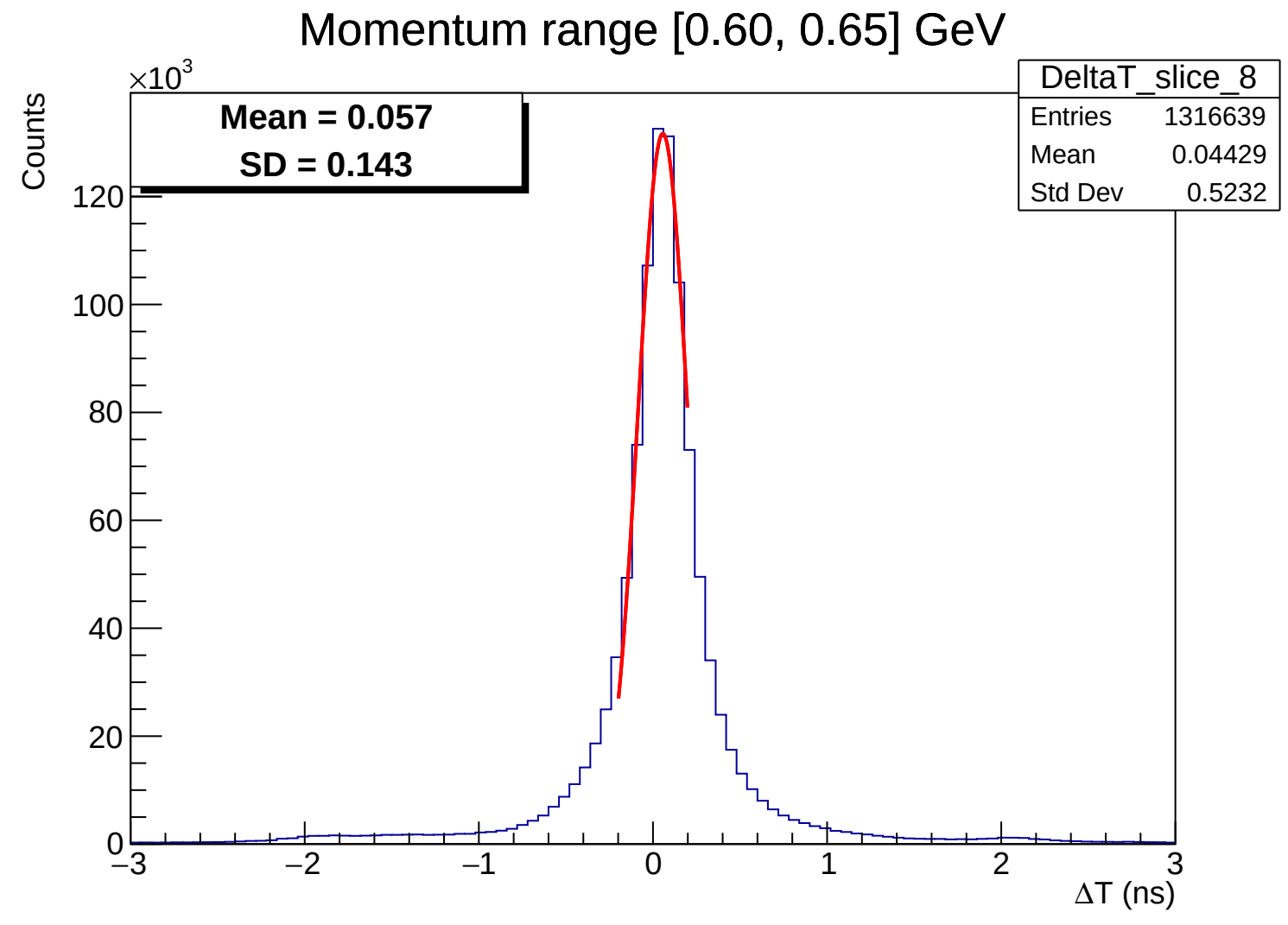

Momentum range [0.35, 0.40] GeV
DeltaT_slice_3
Entries 144757
Mean −0.1921
Std Dev 1.029
Mean = 0.027
SD = 0.190
Counts
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

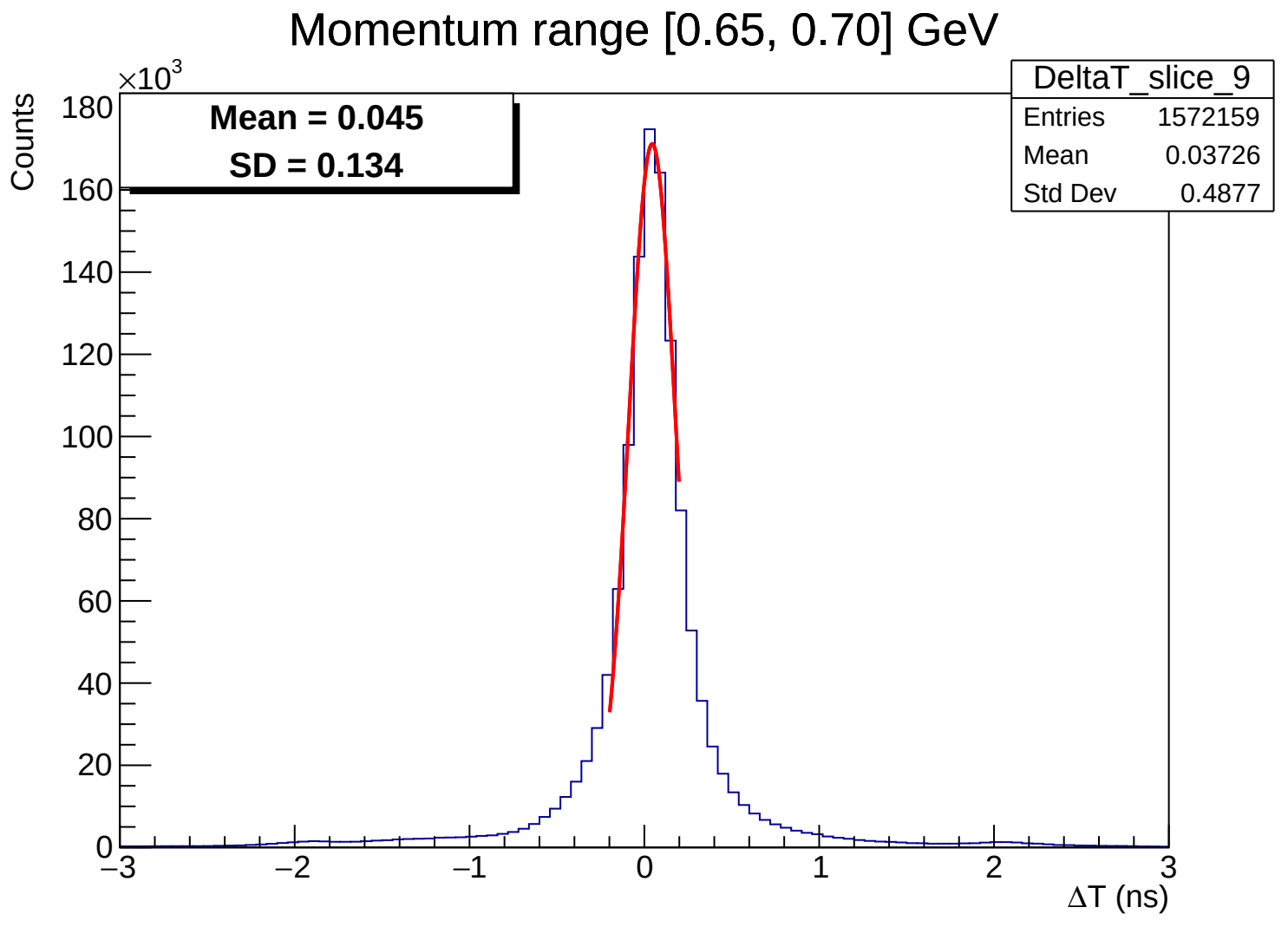

Momentum range [0.40, 0.45] GeV
DeltaT_slice_4
Entries 238415
Mean 0.002424
Std Dev 0.8403
Mean = 0.030
SD = 0.248
Counts
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

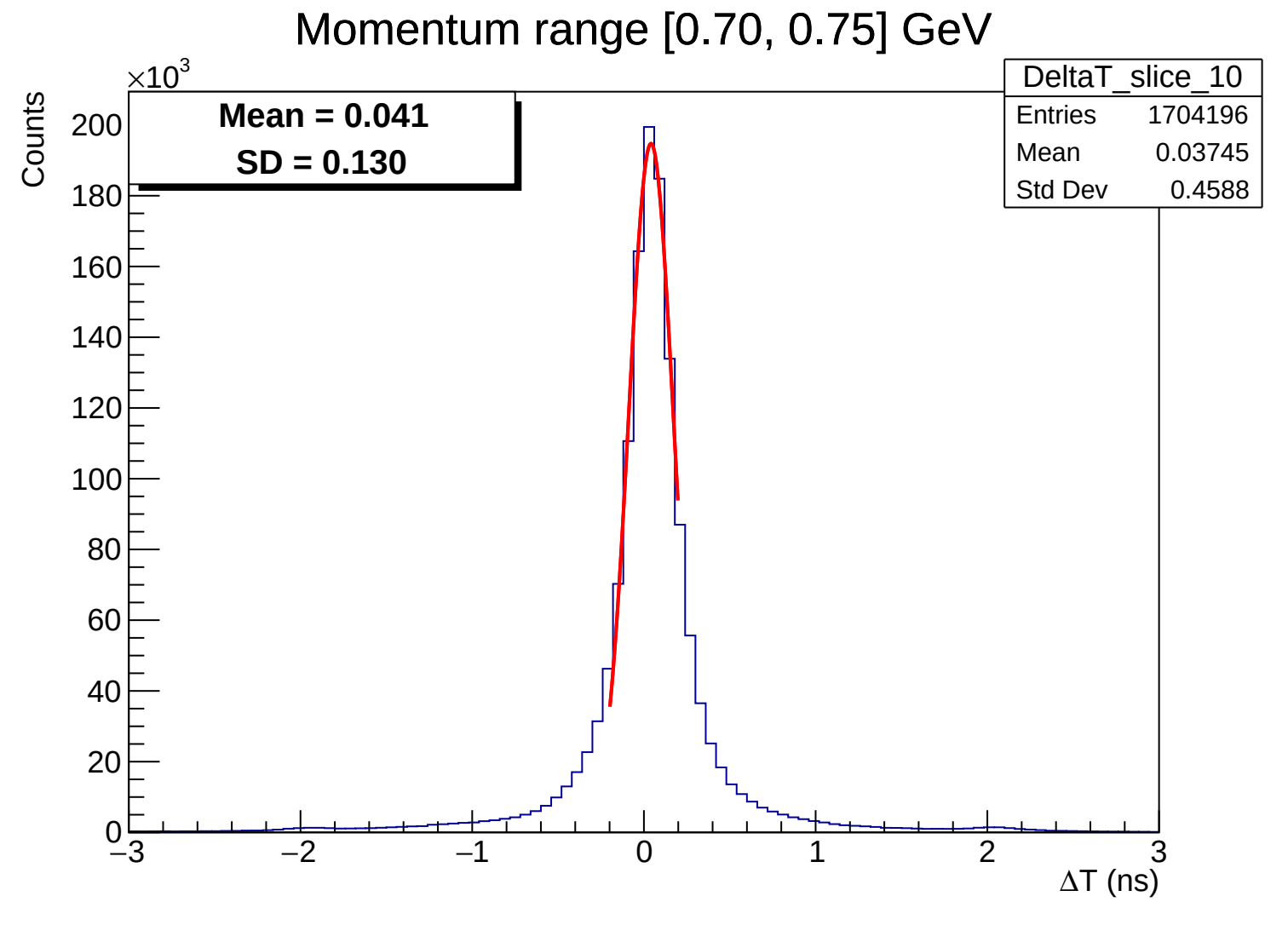

Momentum range [0.45, 0.50] GeV
Mean = 0.209
SD = 0.450
DeltaT_slice_5
Entries 374048
Mean 0.06315
Std Dev 0.7123
Counts
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

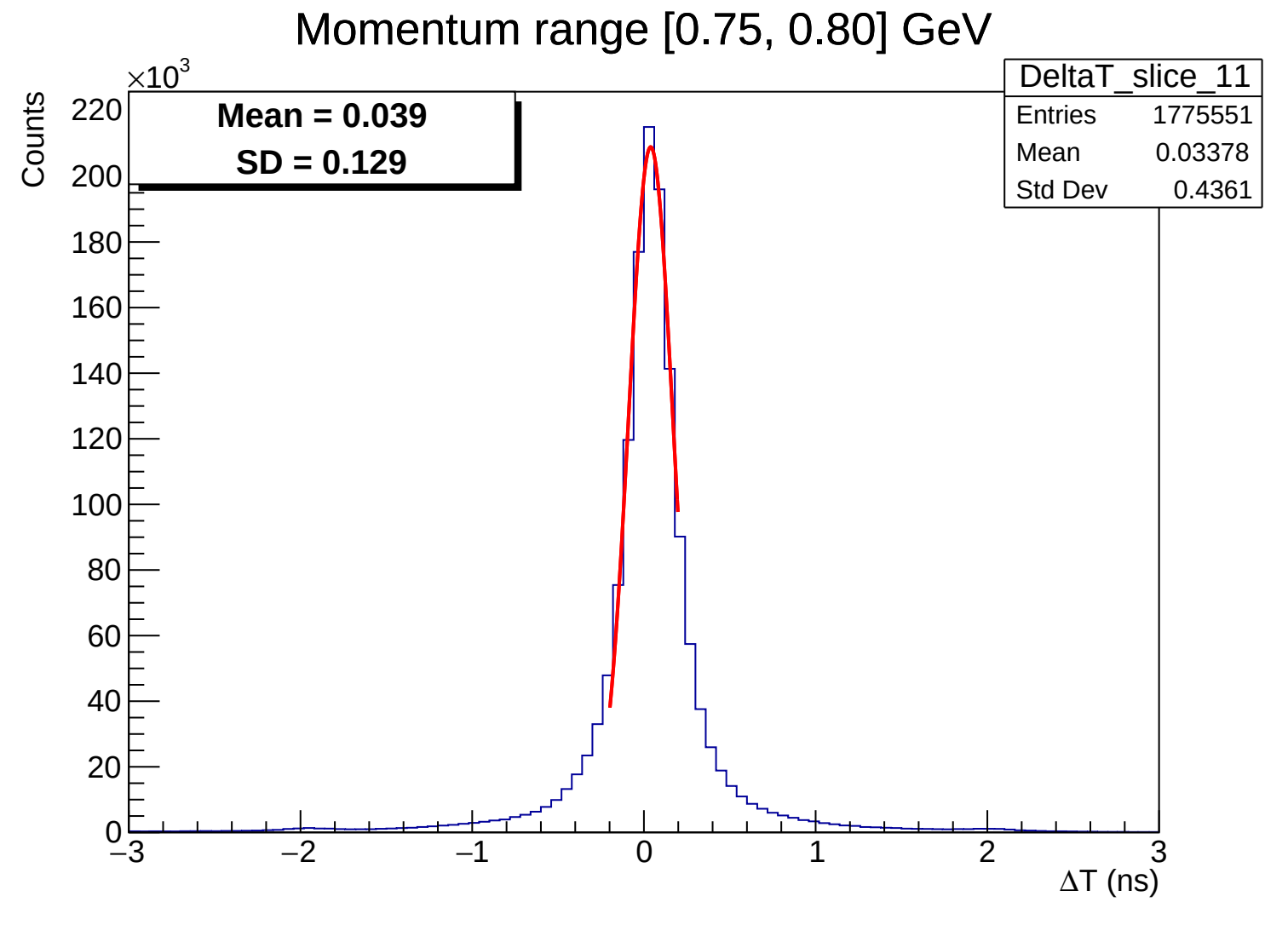

Momentum range [0.50, 0.55] GeV
Mean = 0.417
SD = 0.386
DeltaT_slice_6
Entries 589090
Mean 0.08255
Std Dev 0.6127
Counts
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

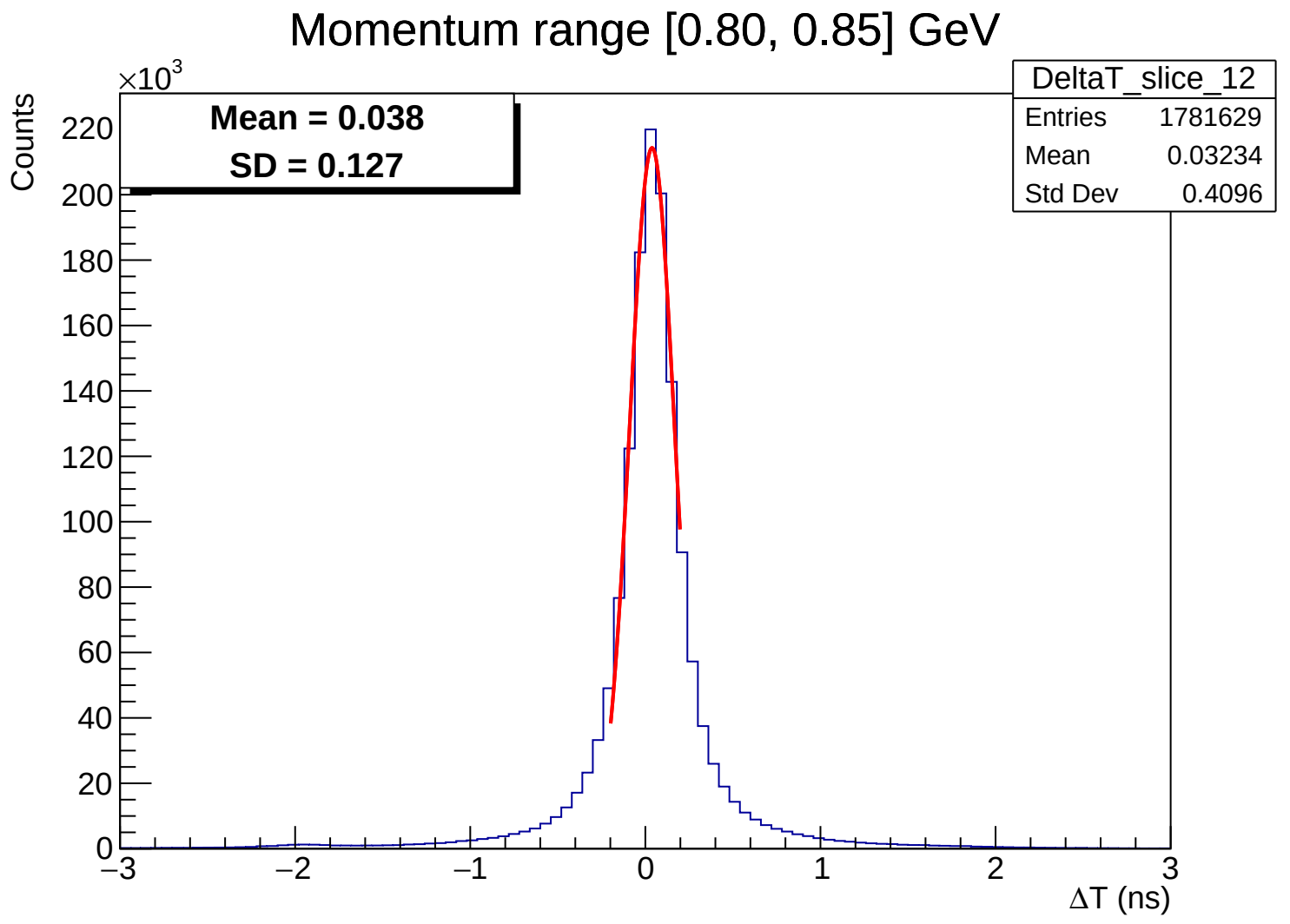

Momentum range [0.55, 0.60] GeV
Mean = 0.099
SD = 0.177
DeltaT_slice_7
Entries 917836
Mean 0.06222
Std Dev 0.553
Counts
80000
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

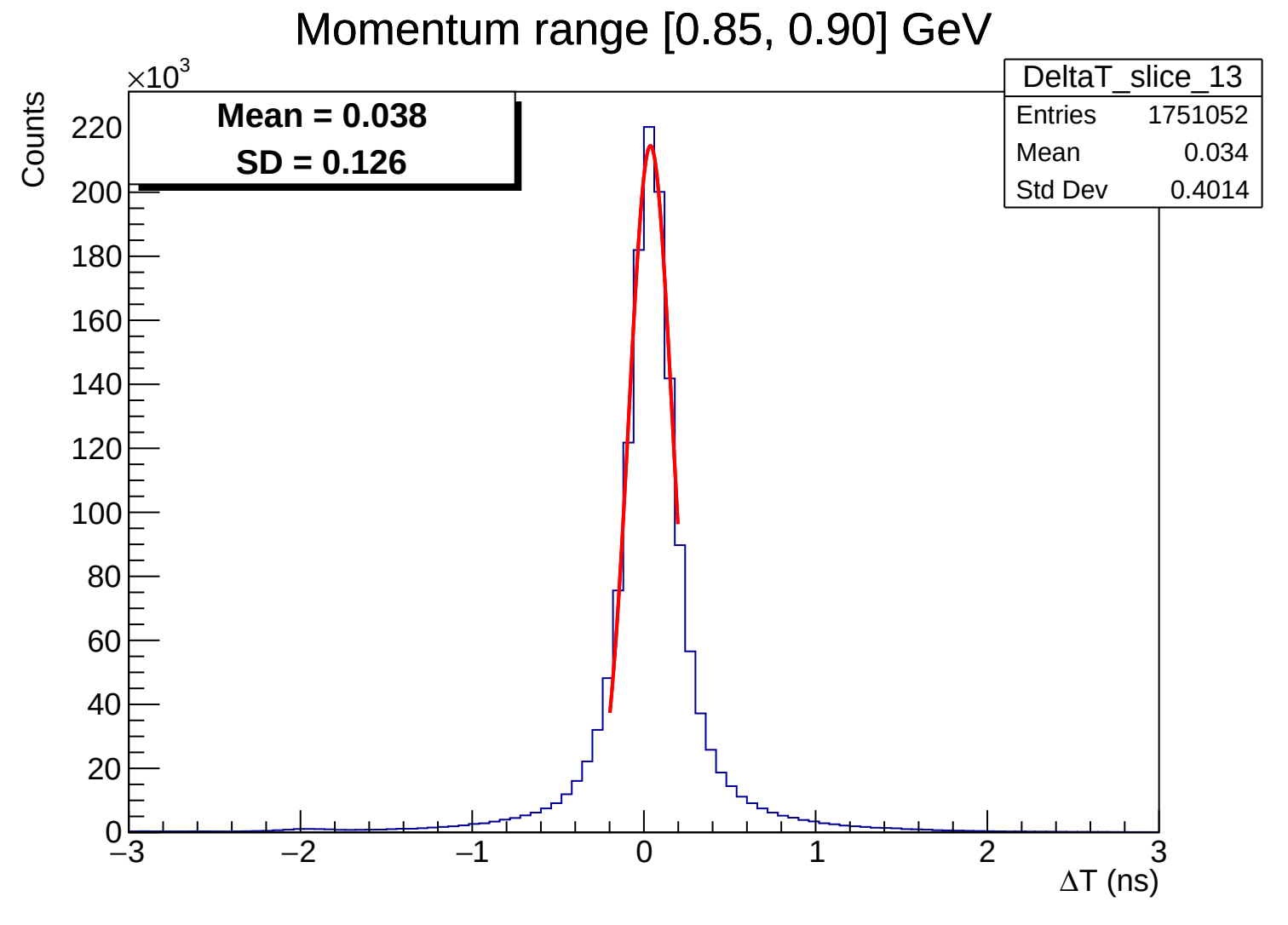

Momentum range [0.60, 0.65] GeV
Mean = 0.057
SD = 0.143
DeltaT_slice_8
Entries 1316639
Mean 0.04429
Std Dev 0.5232
Counts
×10^3
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

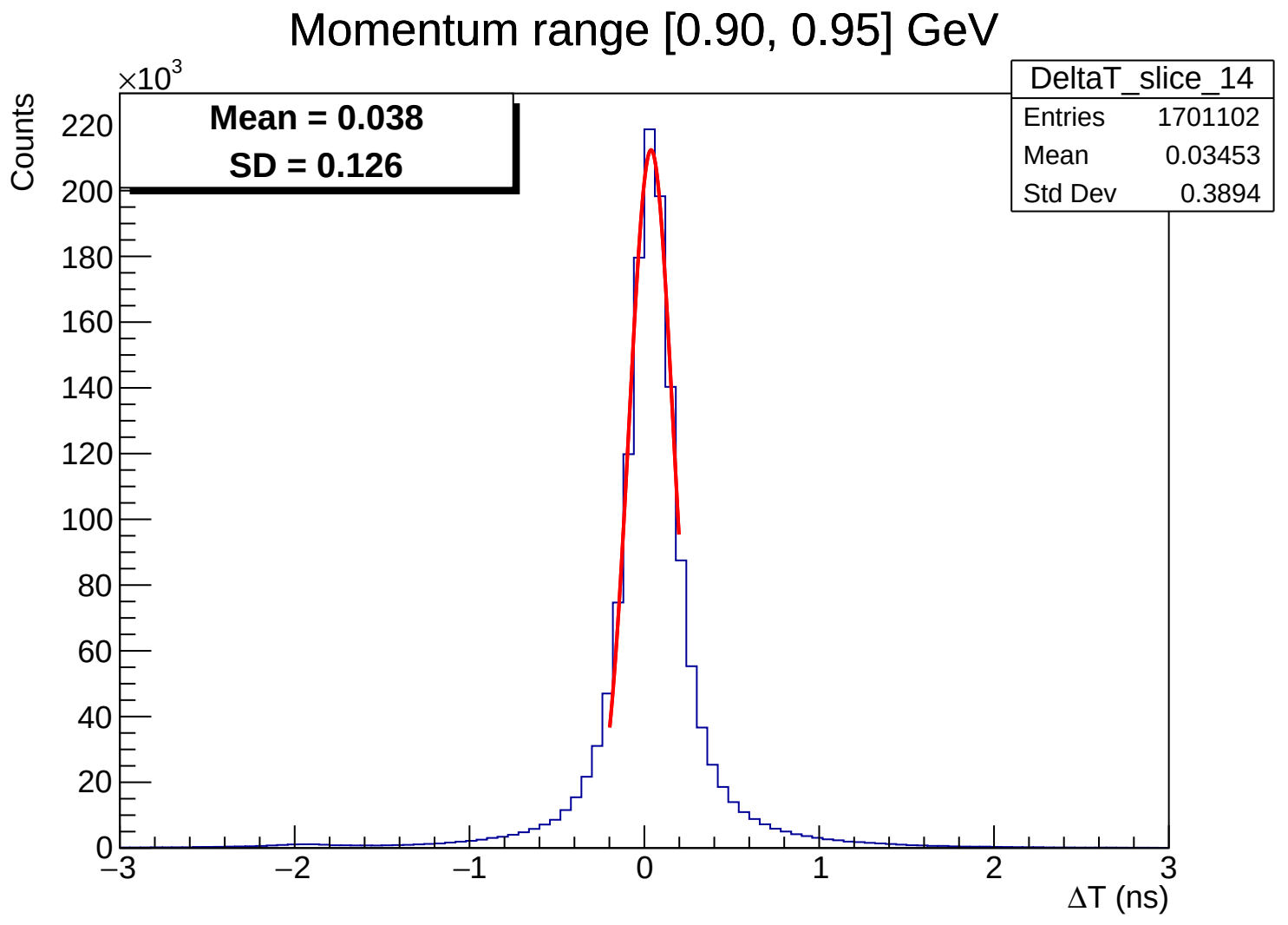

Momentum range [0.65, 0.70] GeV
Mean = 0.045
SD = 0.134
DeltaT_slice_9
Entries 1572159
Mean 0.03726
Std Dev 0.4877
Counts
×10^3
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

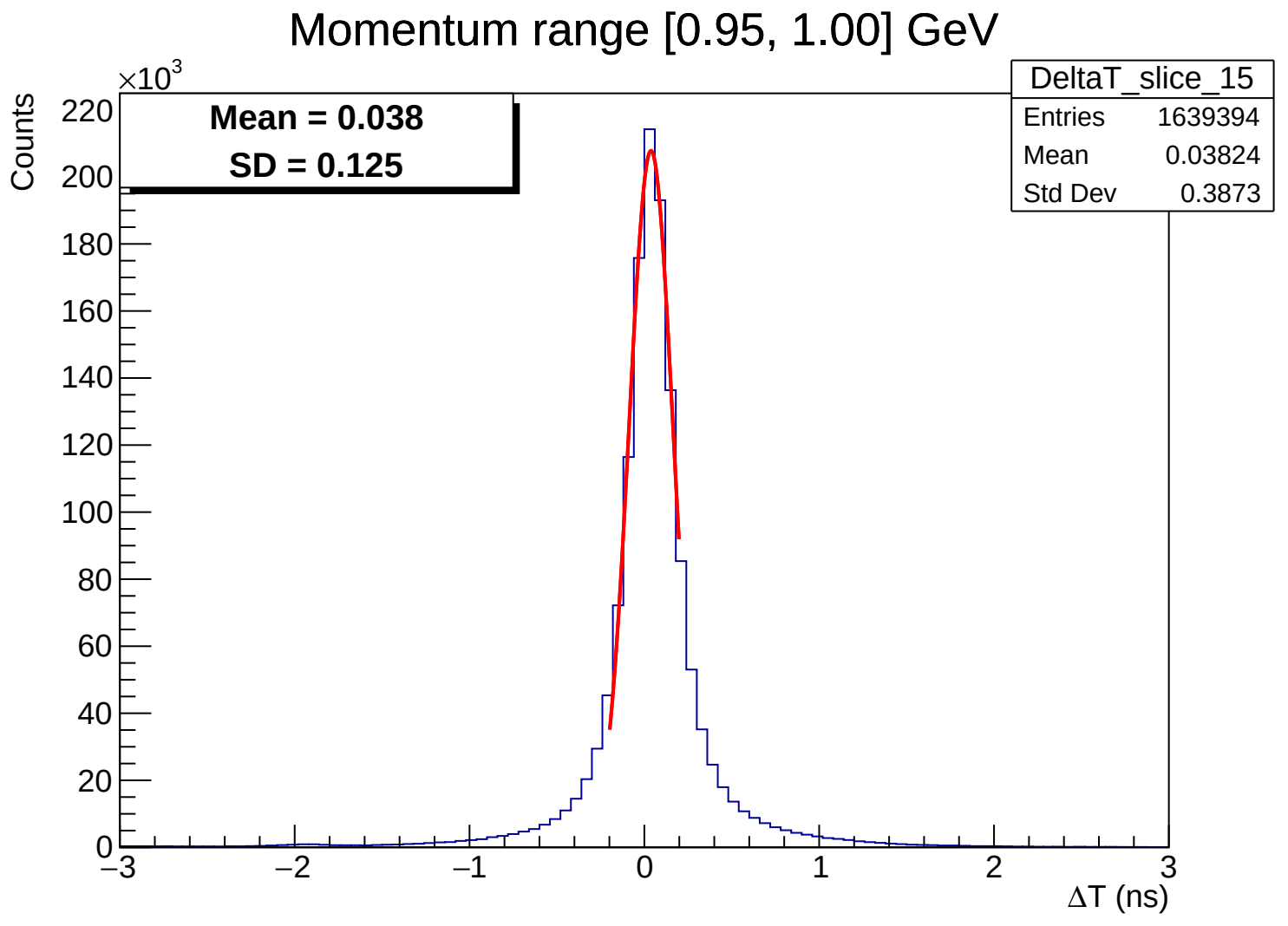

Momentum range [0.70, 0.75] GeV
Mean = 0.041
SD = 0.130
DeltaT_slice_10
Entries 1704196
Mean 0.03745
Std Dev 0.4588
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

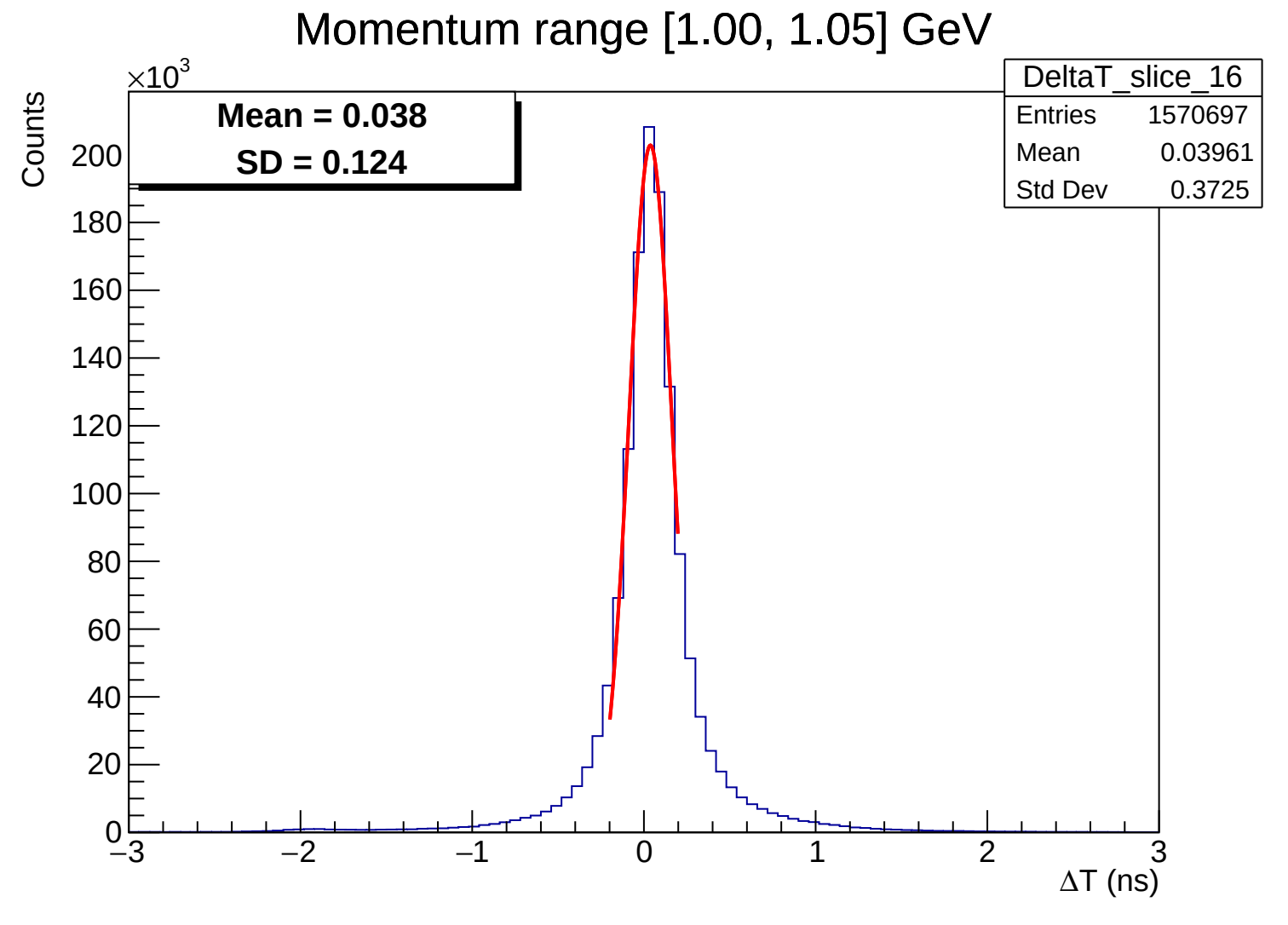

Momentum range [0.75, 0.80] GeV
Counts
×10^3
Mean = 0.039
SD = 0.129
DeltaT_slice_11
Entries 1775551
Mean 0.03378
Std Dev 0.4361
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

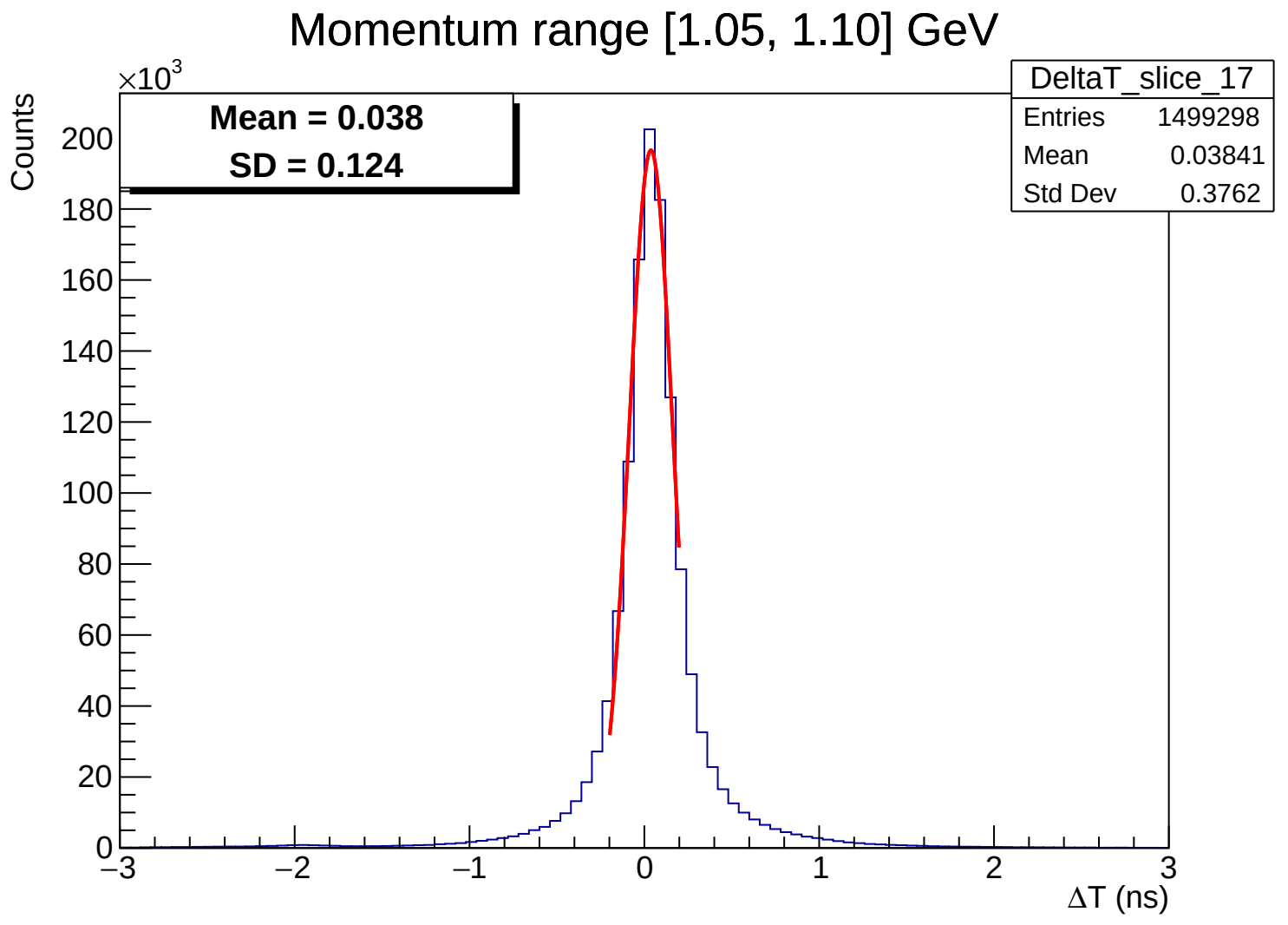

Momentum range [0.80, 0.85] GeV
Counts
×10^3
Mean = 0.038
SD = 0.127
DeltaT_slice_12
Entries 1781629
Mean 0.03234
Std Dev 0.4096
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

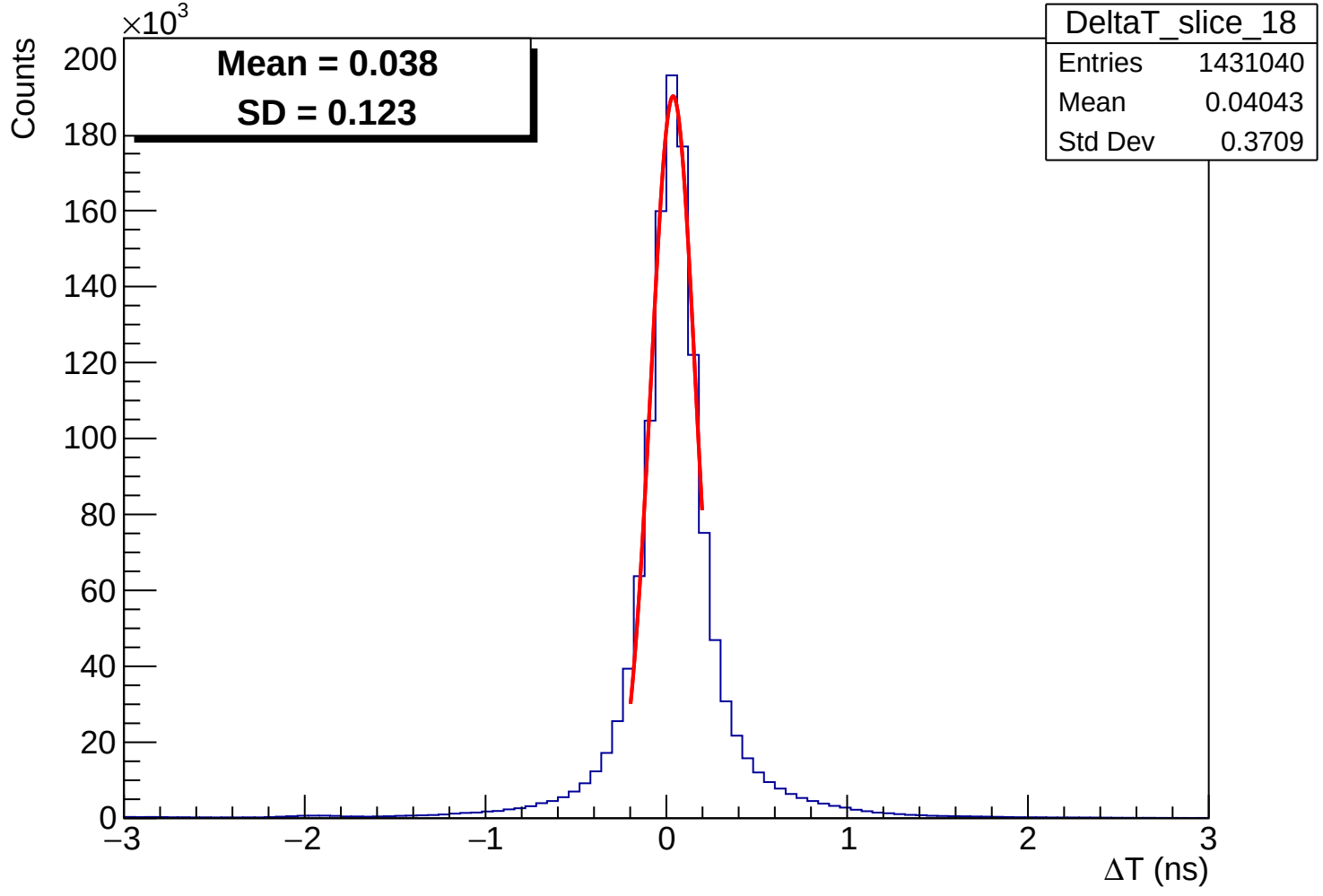

Momentum range [0.85, 0.90] GeV
Mean = 0.038
SD = 0.126
DeltaT_slice_13
Entries 1751052
Mean 0.034
Std Dev 0.4014
Counts
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

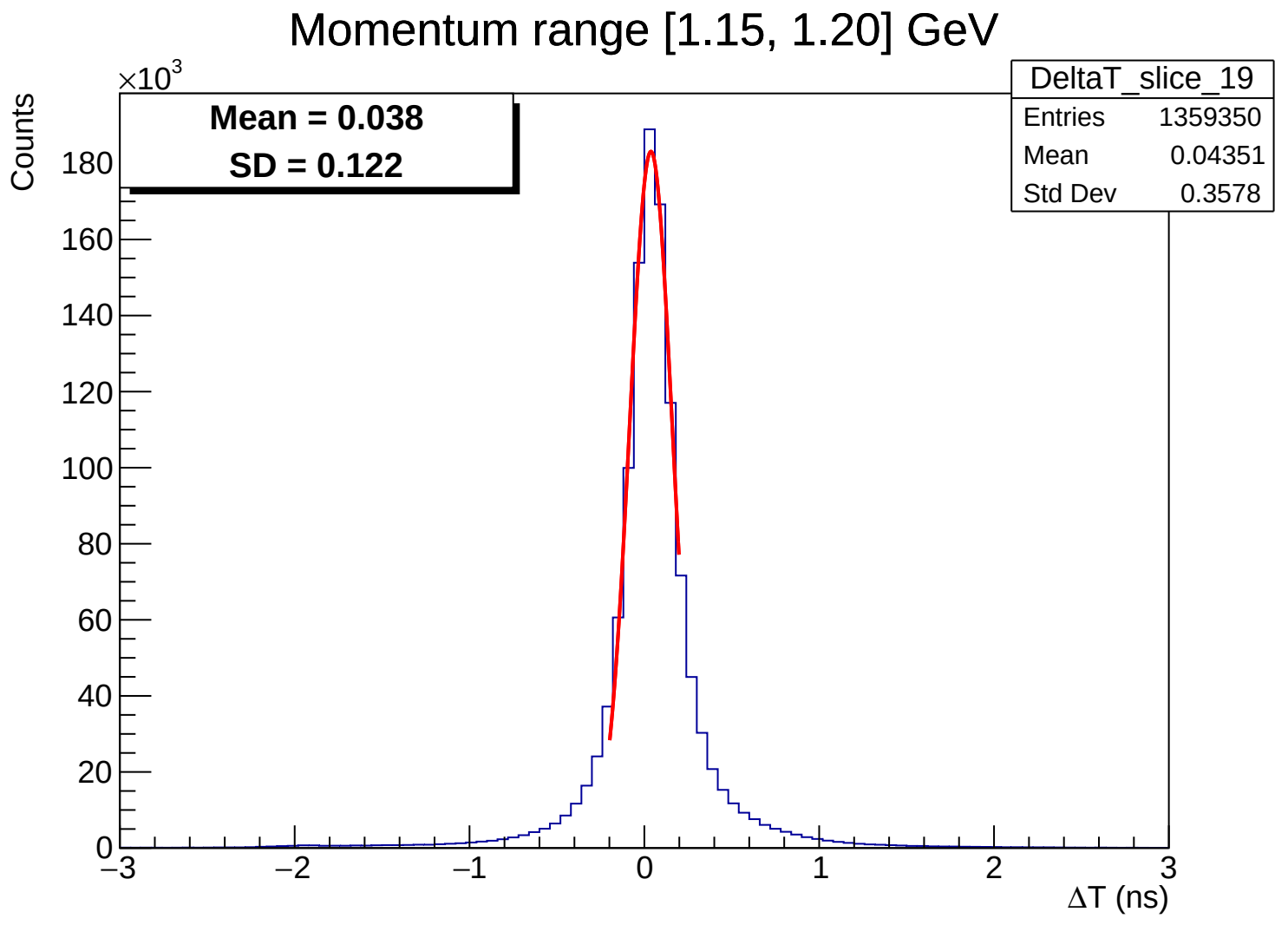

Momentum range [0.90, 0.95] GeV
Counts
×10^3
Mean = 0.038
SD = 0.126
DeltaT_slice_14
Entries 1701102
Mean 0.03453
Std Dev 0.3894
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

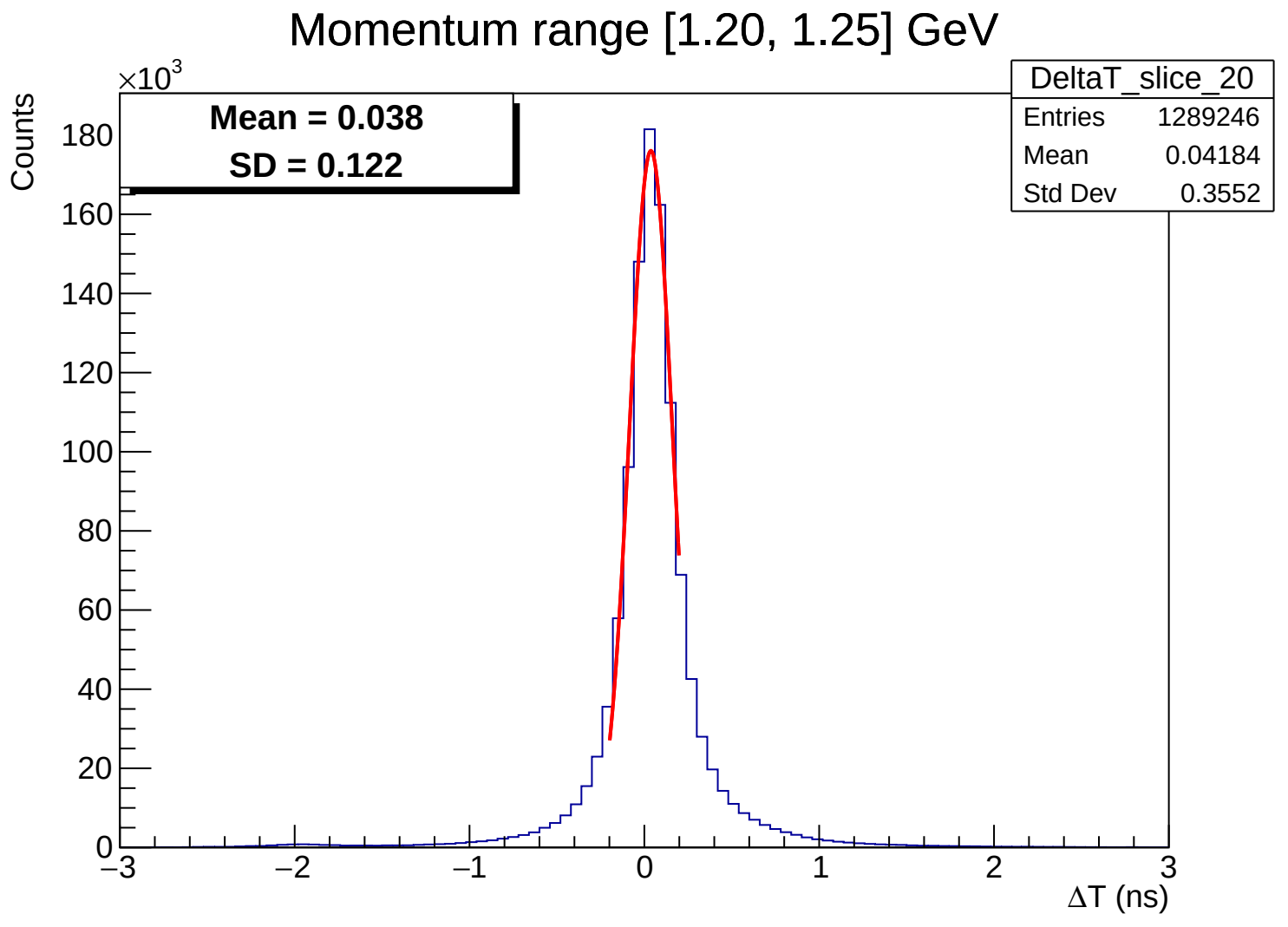

Momentum range [0.95, 1.00] GeV
Mean = 0.038
SD = 0.125
DeltaT_slice_15
Entries 1639394
Mean 0.03824
Std Dev 0.3873
Counts
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

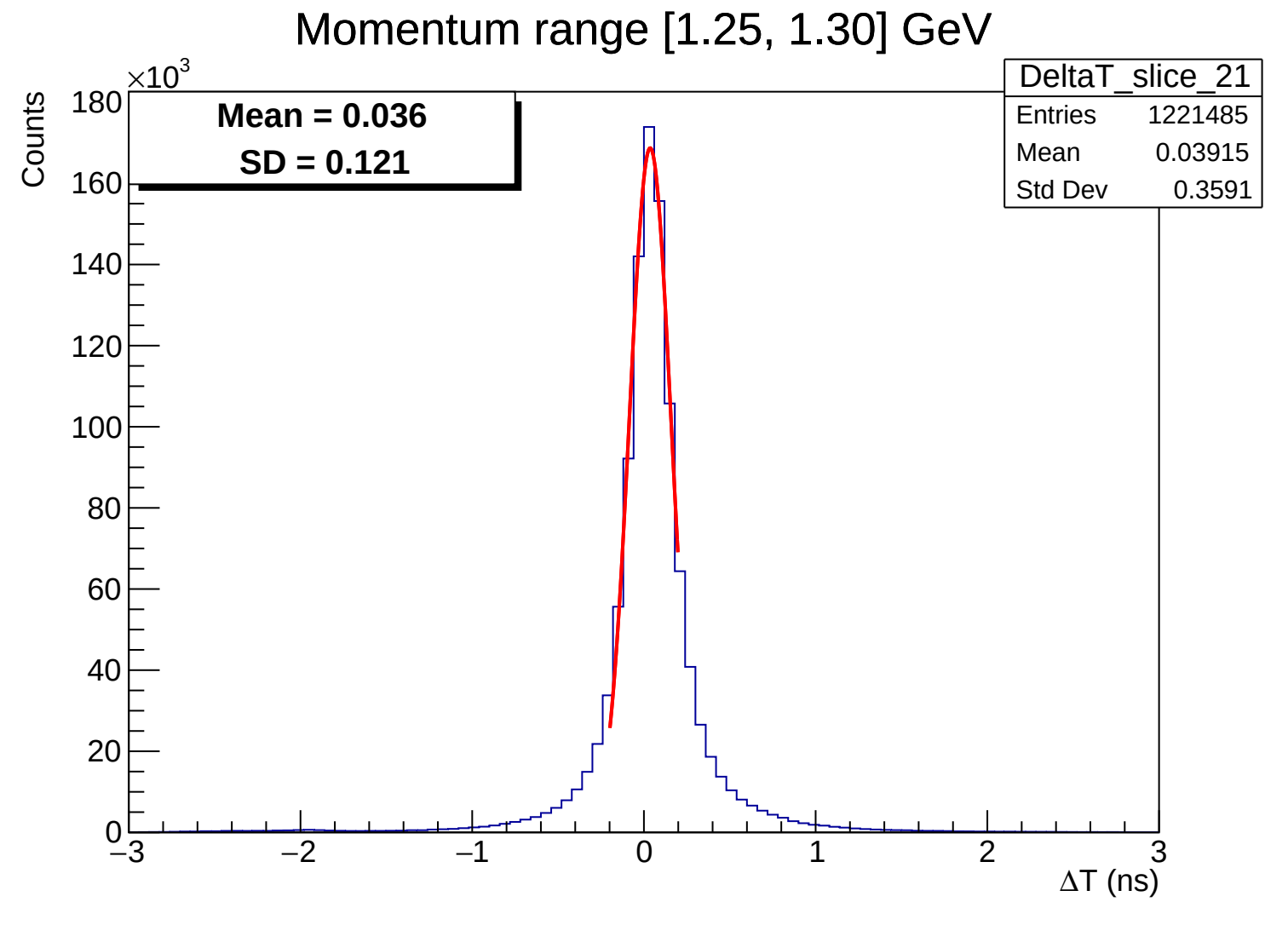

Momentum range [1.00, 1.05] GeV
Mean = 0.038
SD = 0.124
DeltaT_slice_16
Entries 1570697
Mean 0.03961
Std Dev 0.3725
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

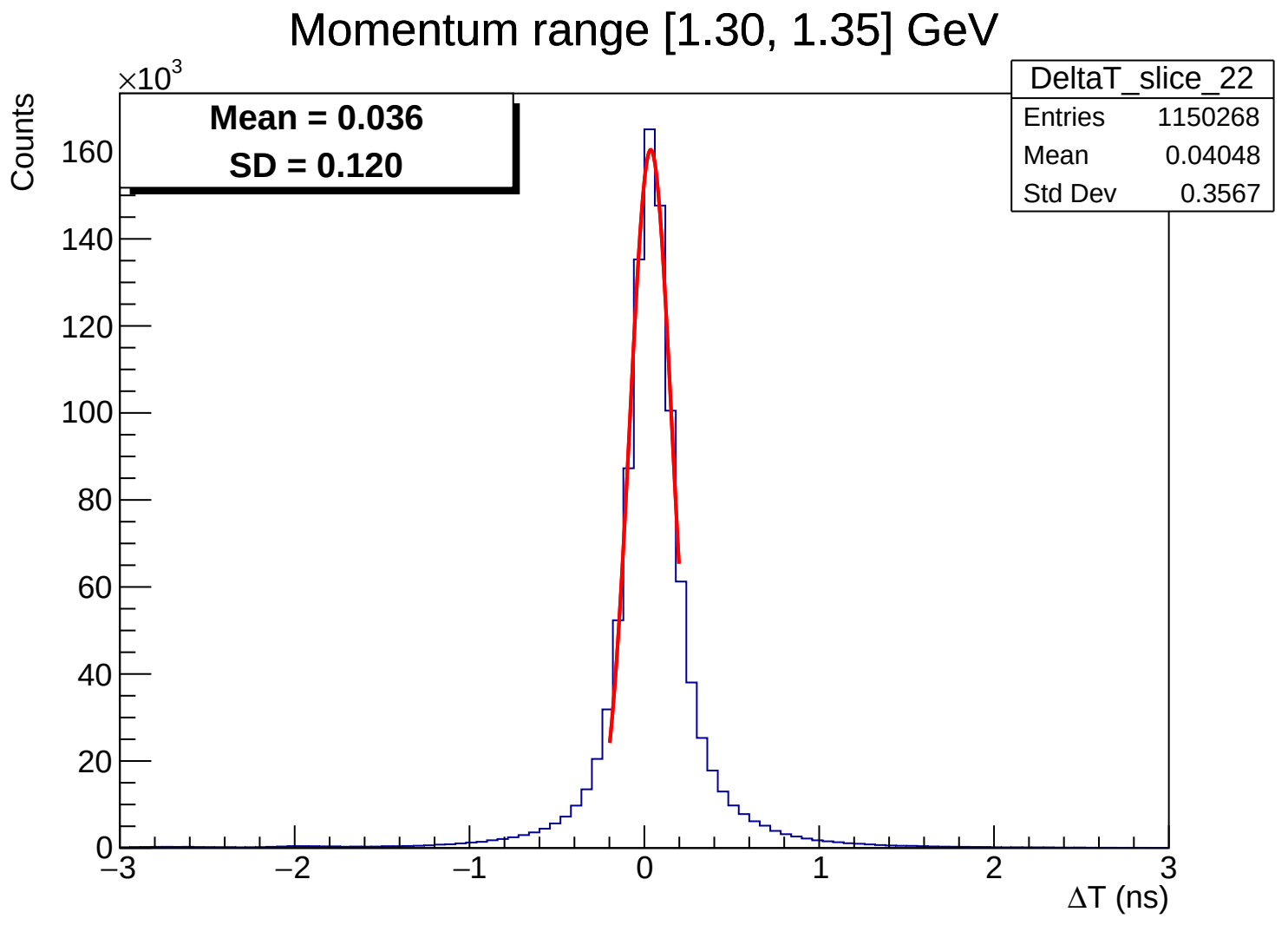

Momentum range [1.05, 1.10] GeV
Mean = 0.038
SD = 0.124
DeltaT_slice_17
Entries 1499298
Mean 0.03841
Std Dev 0.3762
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

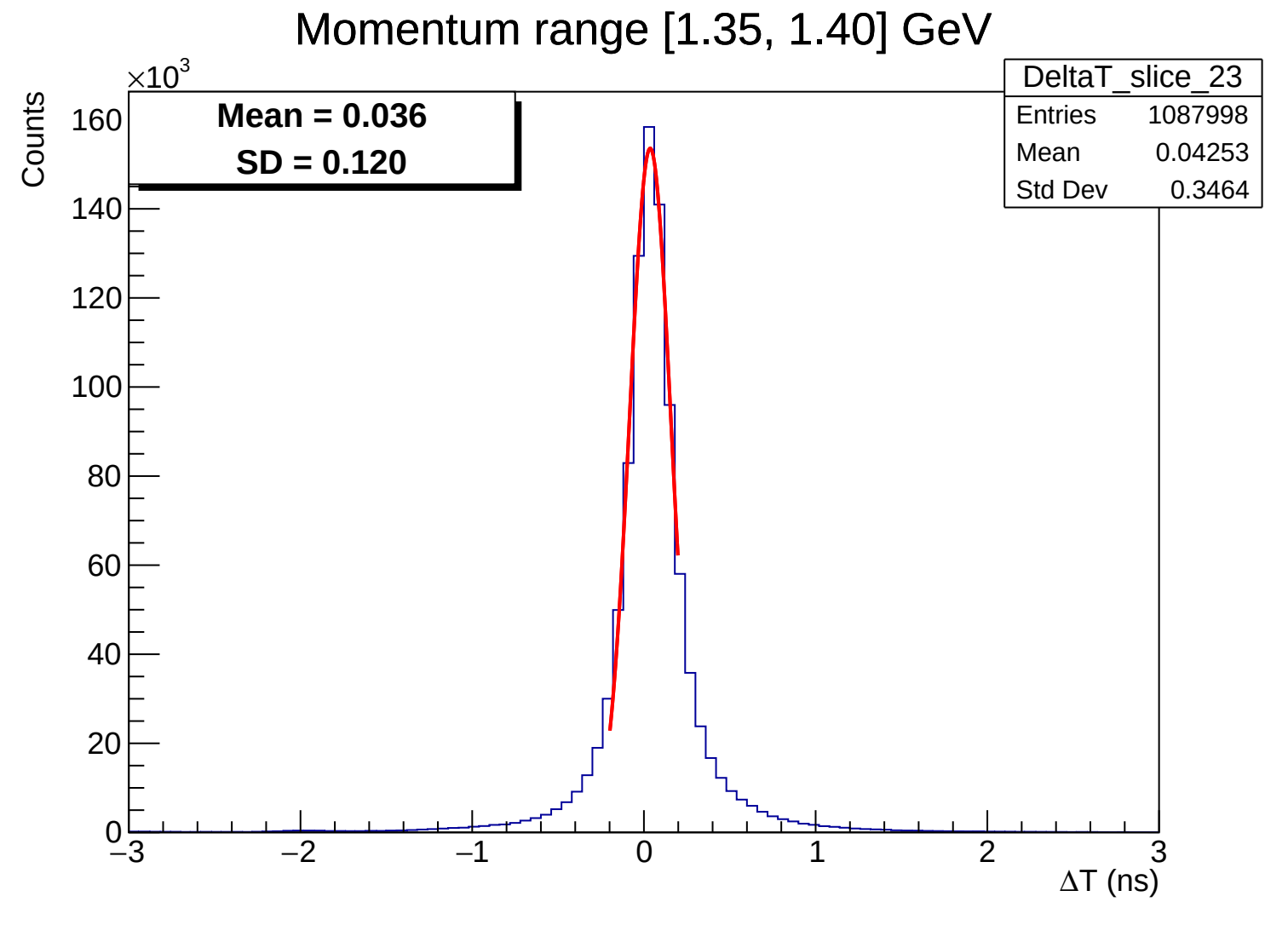

Momentum range [1.10, 1.15] GeV
Mean = 0.038
SD = 0.123
DeltaT_slice_18
Entries 1431040
Mean 0.04043
Std Dev 0.3709
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

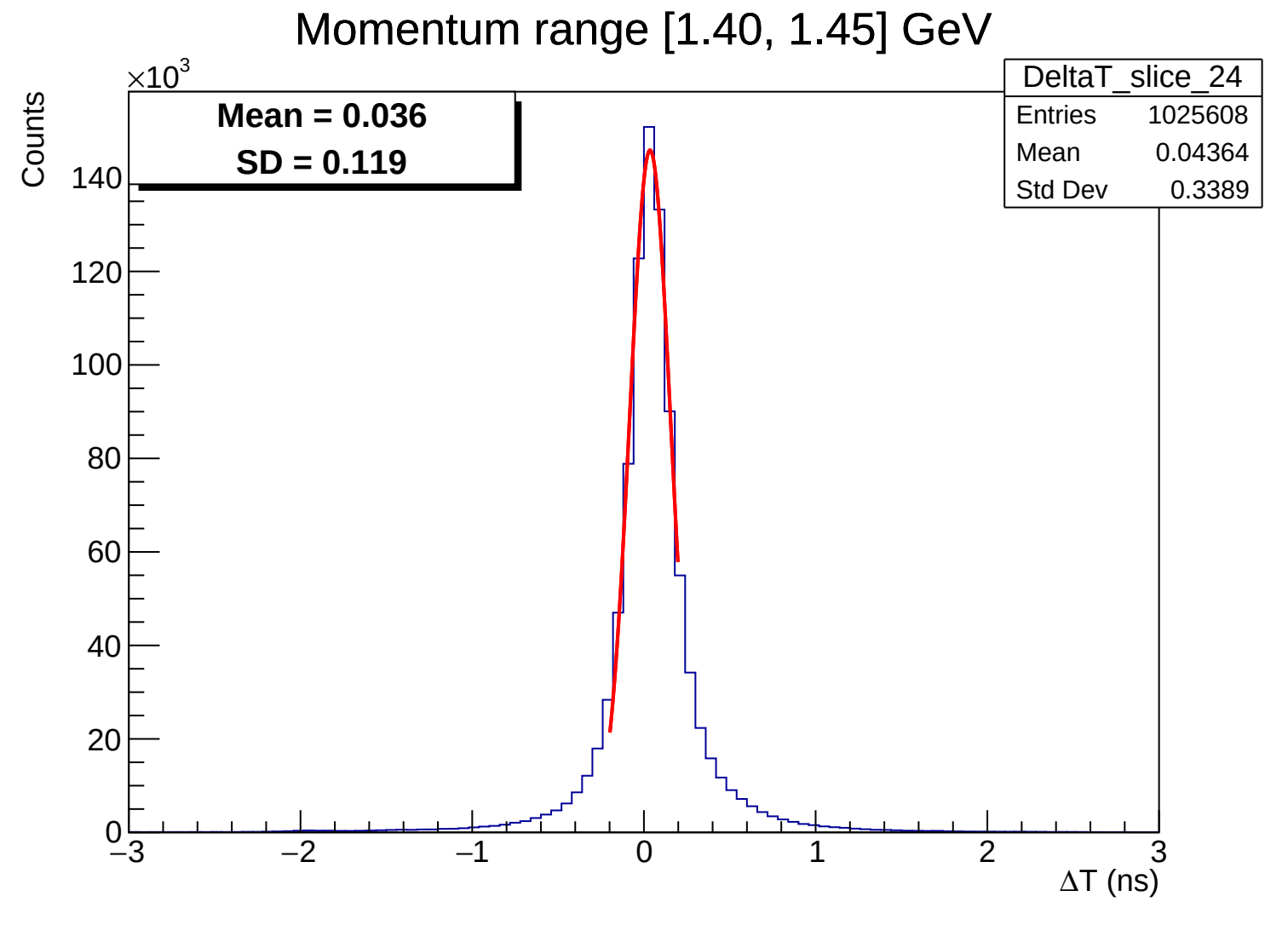

Momentum range [1.15, 1.20] GeV
Mean = 0.038
SD = 0.122
DeltaT_slice_19
Entries 1359350
Mean 0.04351
Std Dev 0.3578
Counts
×10^3
ΔT (ns)

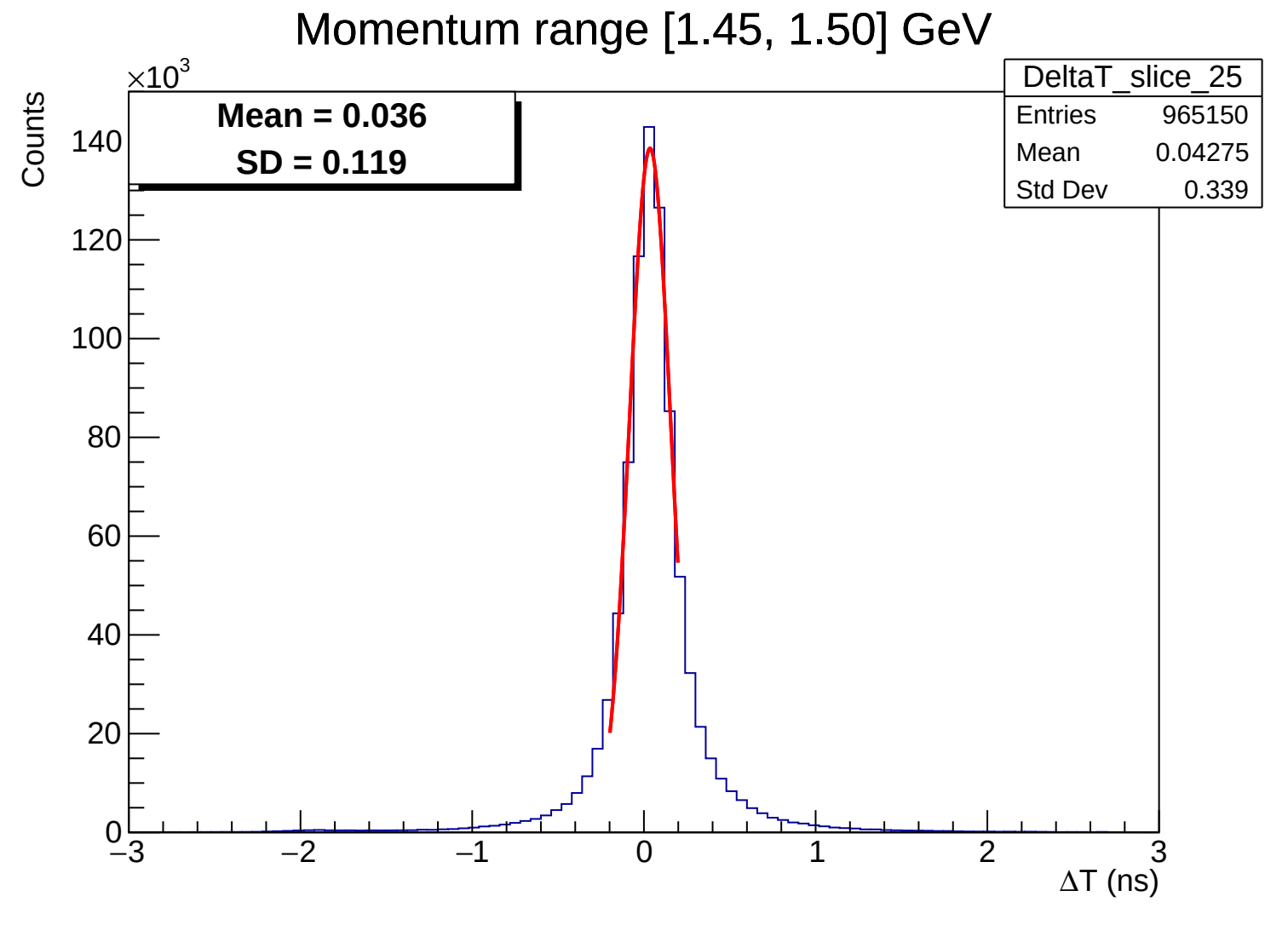

Momentum range [1.20, 1.25] GeV
Mean = 0.038
SD = 0.122
DeltaT_slice_20
Entries 1289246
Mean 0.04184
Std Dev 0.3552
Counts
×10^3
ΔT (ns)

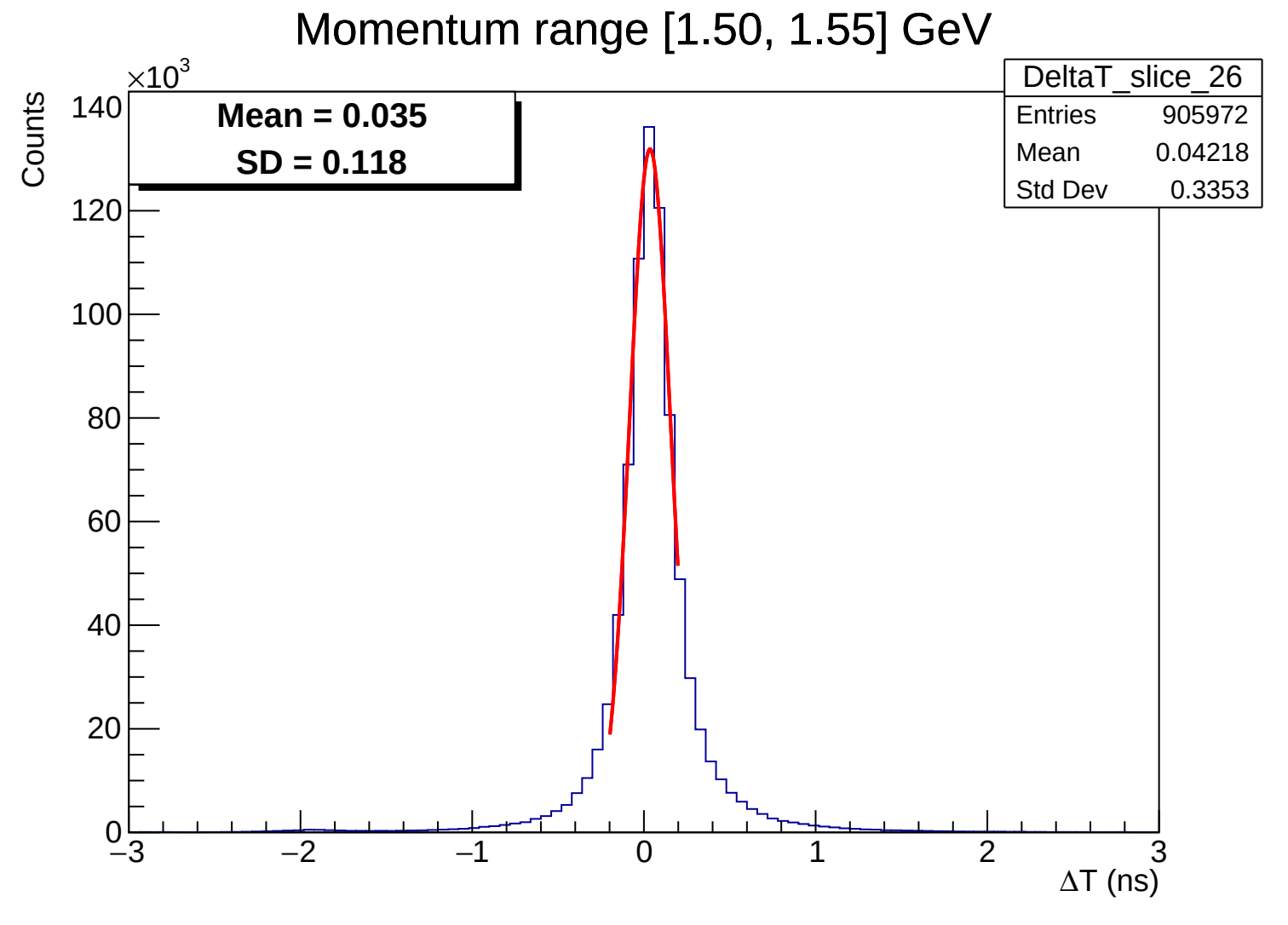

Momentum range [1.25, 1.30] GeV
Mean = 0.036
SD = 0.121
DeltaT_slice_21
Entries 1221485
Mean 0.03915
Std Dev 0.3591
Counts
×10^3
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

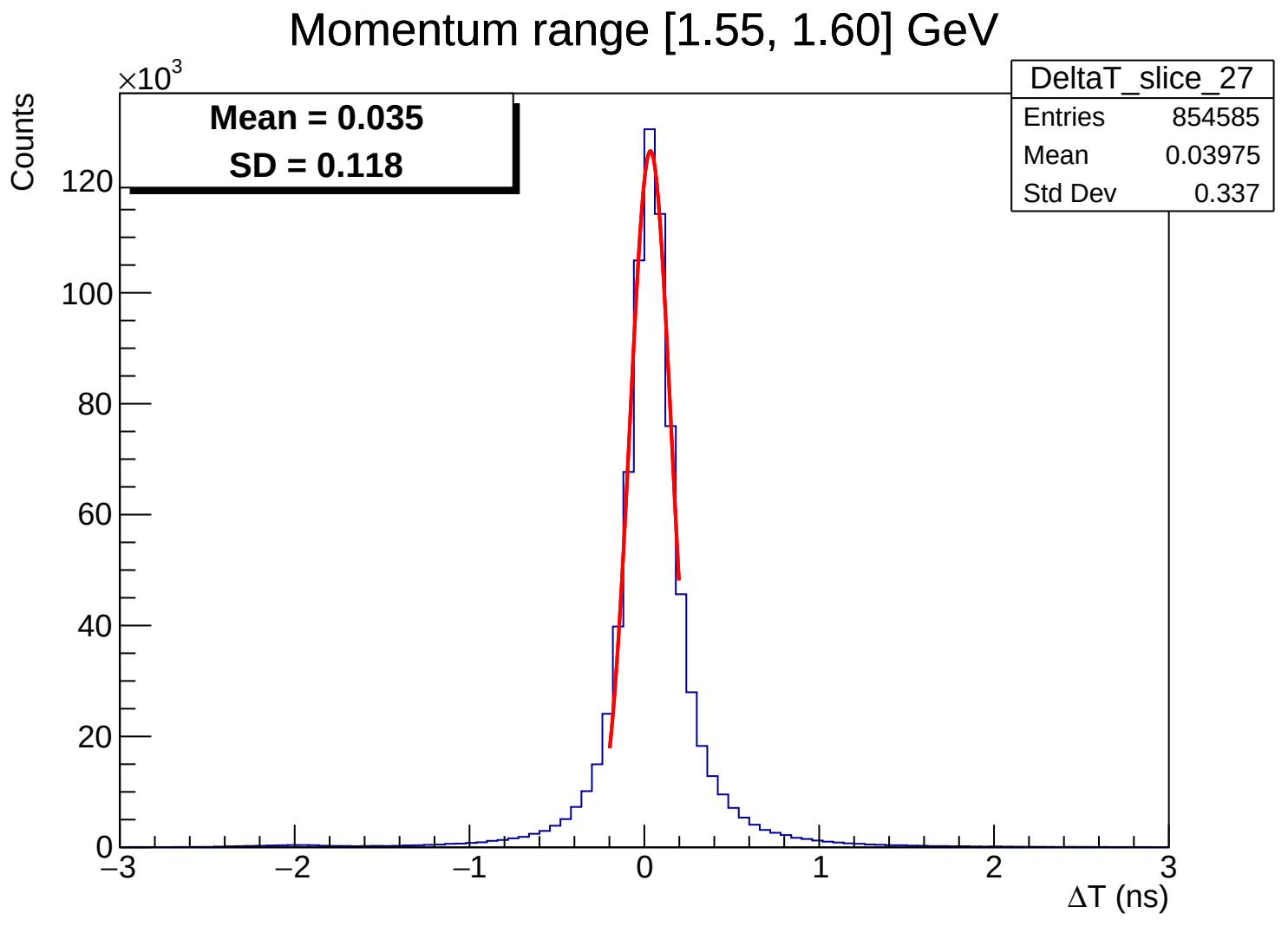

Momentum range [1.30, 1.35] GeV
Mean = 0.036
SD = 0.120
DeltaT_slice_22
Entries 1150268
Mean 0.04048
Std Dev 0.3567
Counts
×10^3
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

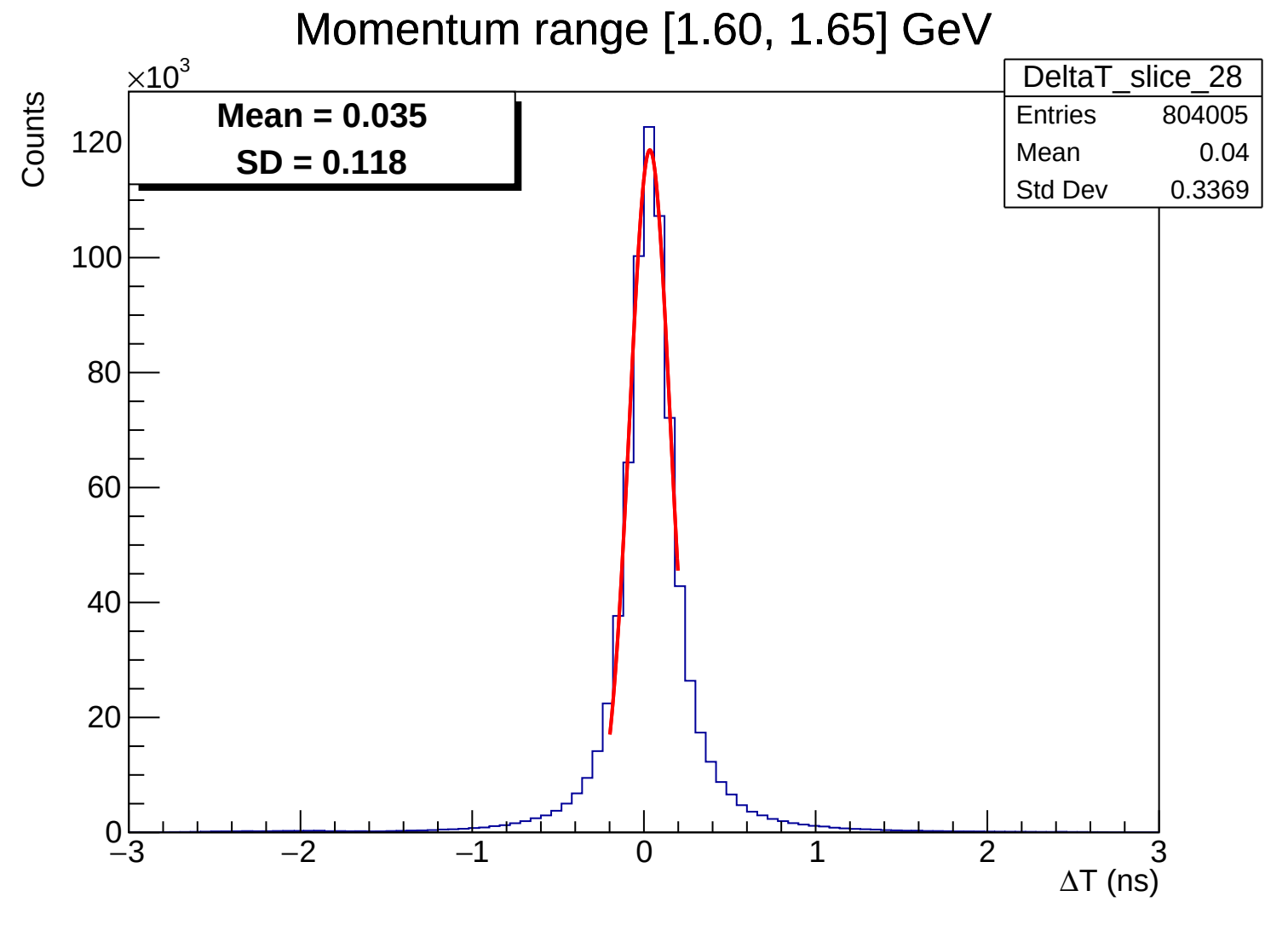

Momentum range [1.35, 1.40] GeV
×10^3
Counts
Mean = 0.036
SD = 0.120
DeltaT_slice_23
Entries 1087998
Mean 0.04253
Std Dev 0.3464
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

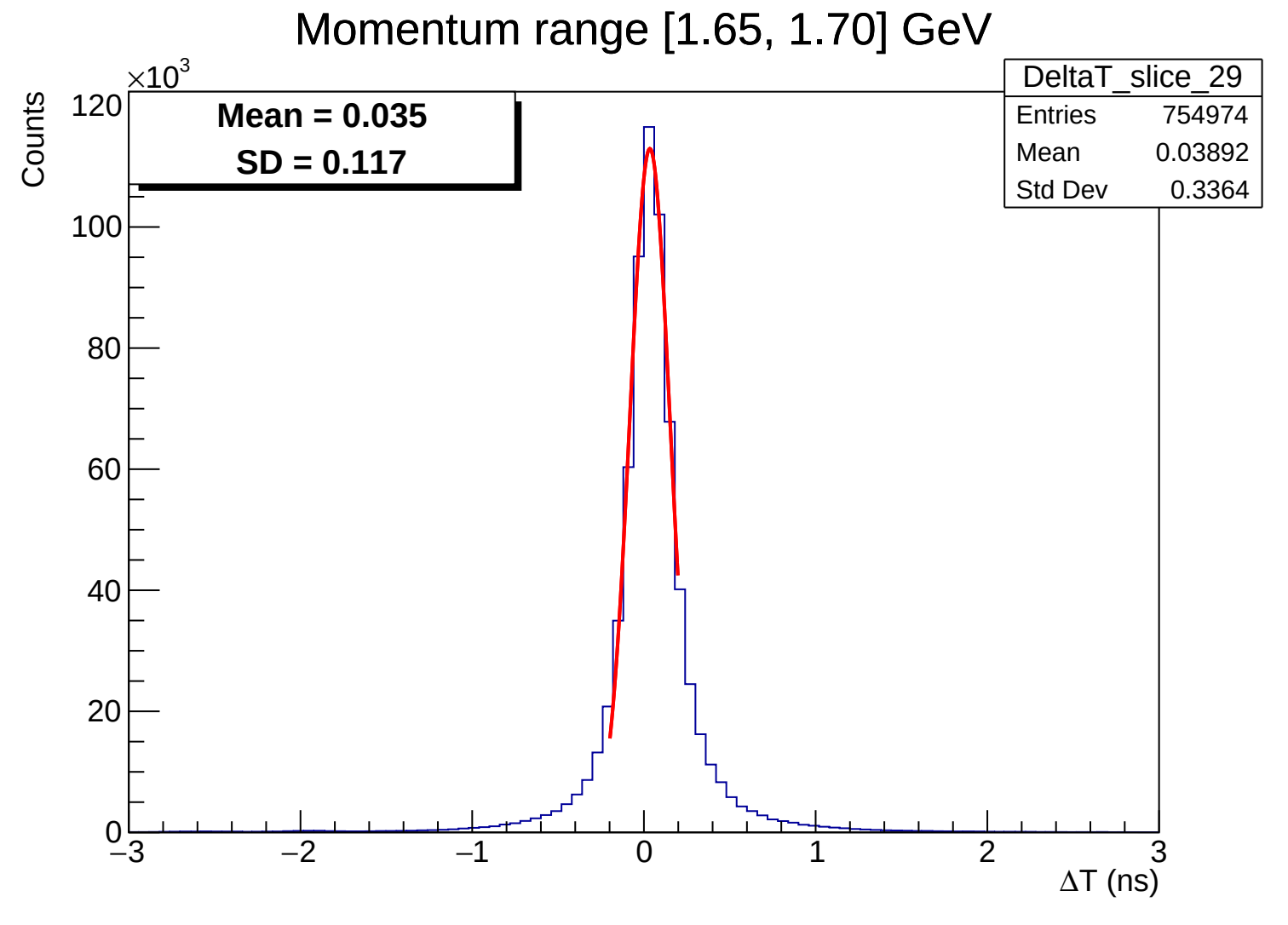

Momentum range [1.40, 1.45] GeV
Mean = 0.036
SD = 0.119
DeltaT_slice_24
Entries 1025608
Mean 0.04364
Std Dev 0.3389
Counts
×10^3
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

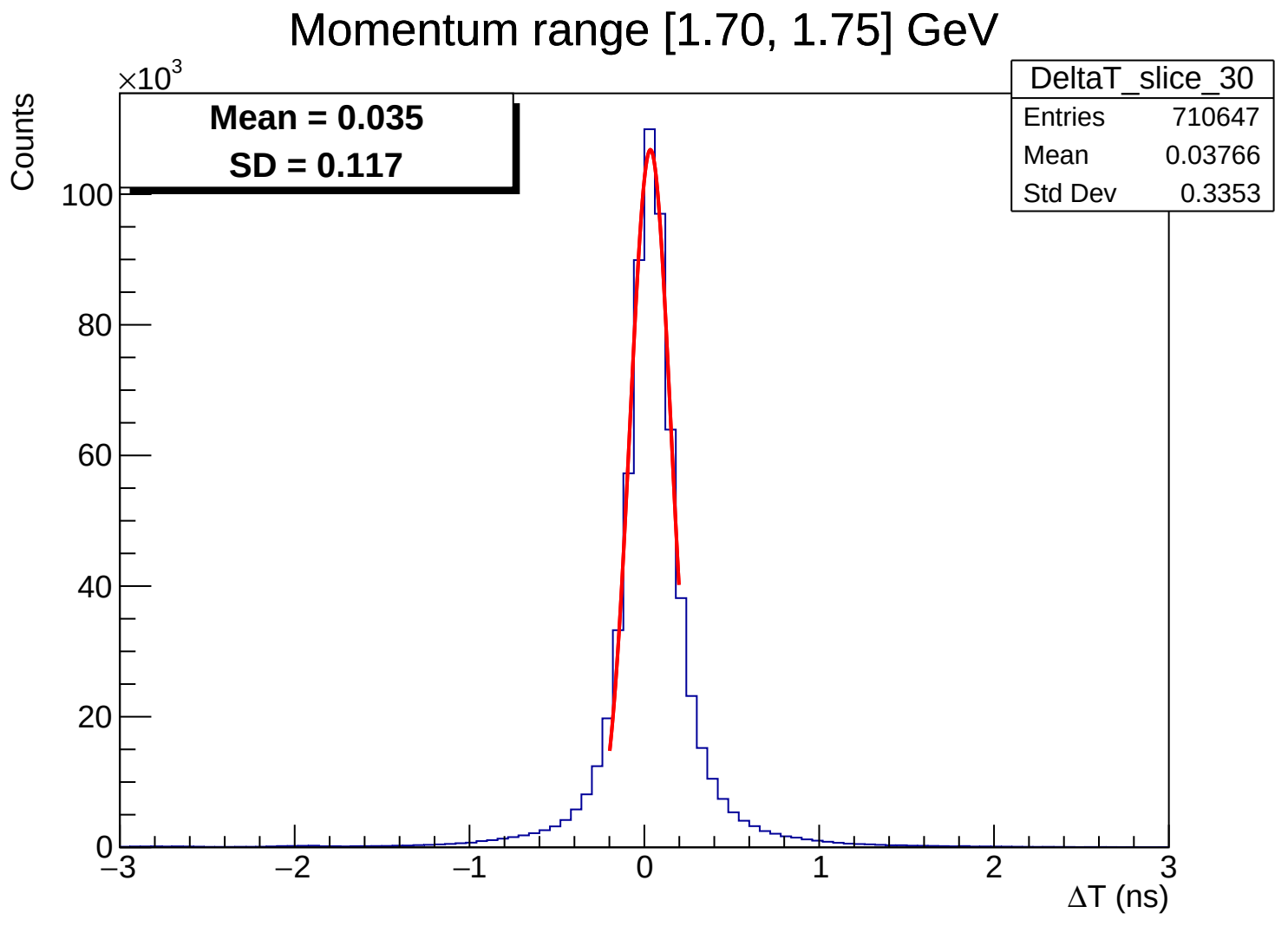

Momentum range [1.45, 1.50] GeV
Mean = 0.036
SD = 0.119
DeltaT_slice_25
Entries 965150
Mean 0.04275
Std Dev 0.339
Counts
×10^3
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

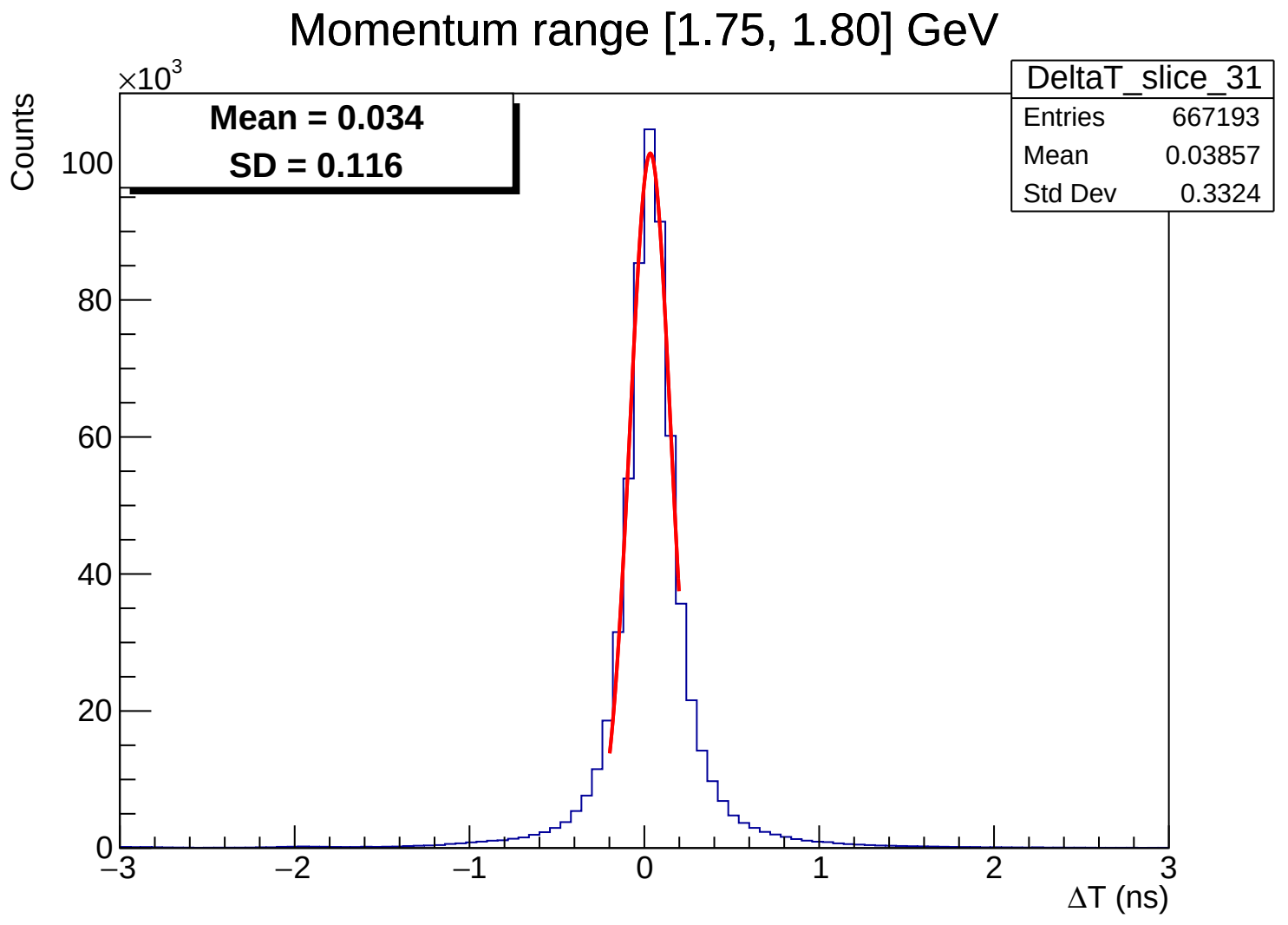

Momentum range [1.50, 1.55] GeV
Counts
×10^3
Mean = 0.035
SD = 0.118
DeltaT_slice_26
Entries 905972
Mean 0.04218
Std Dev 0.3353
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

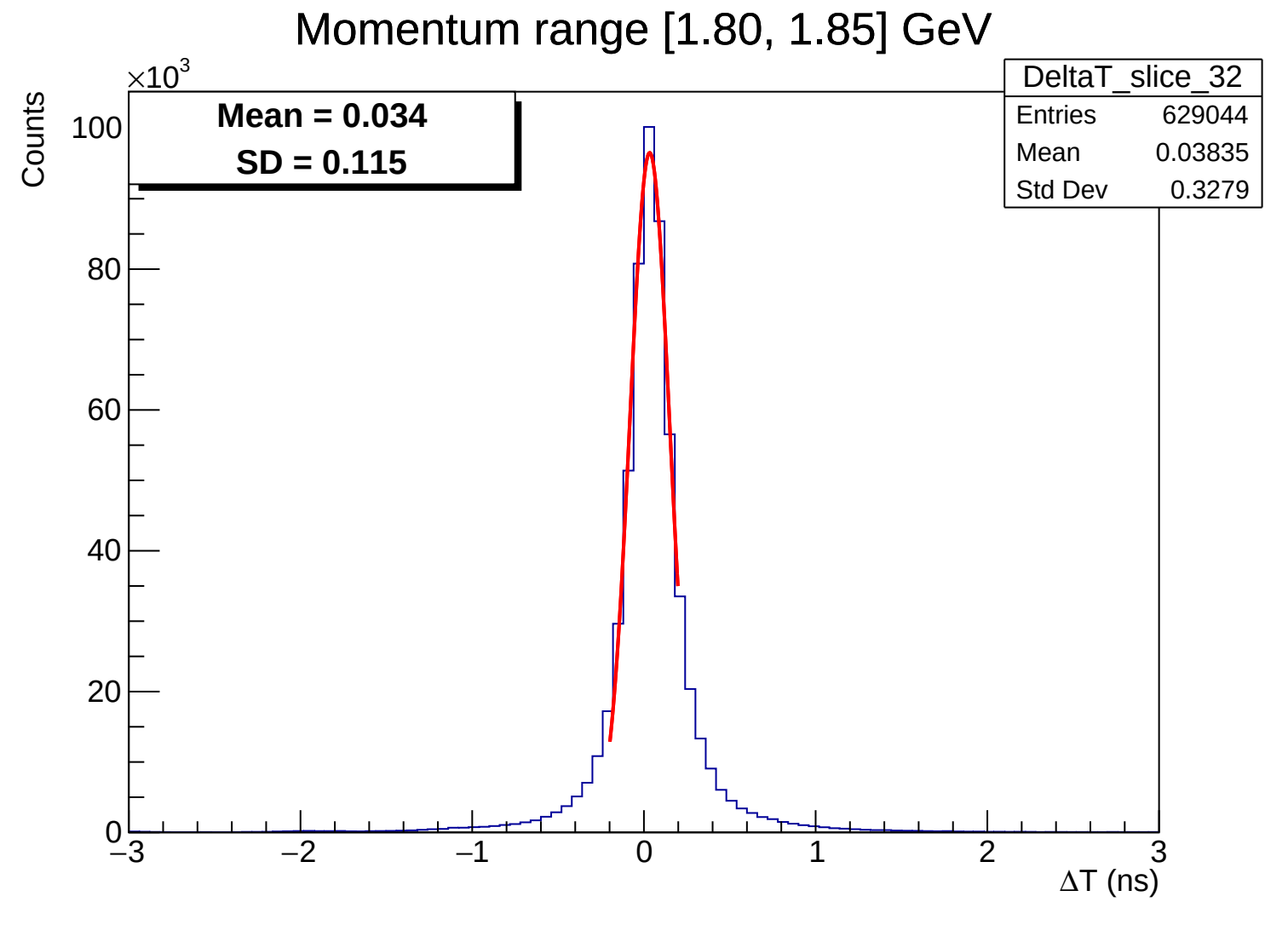

Momentum range [1.55, 1.60] GeV
Mean = 0.035
SD = 0.118
DeltaT_slice_27
Entries 854585
Mean 0.03975
Std Dev 0.337
Counts
×10^3
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

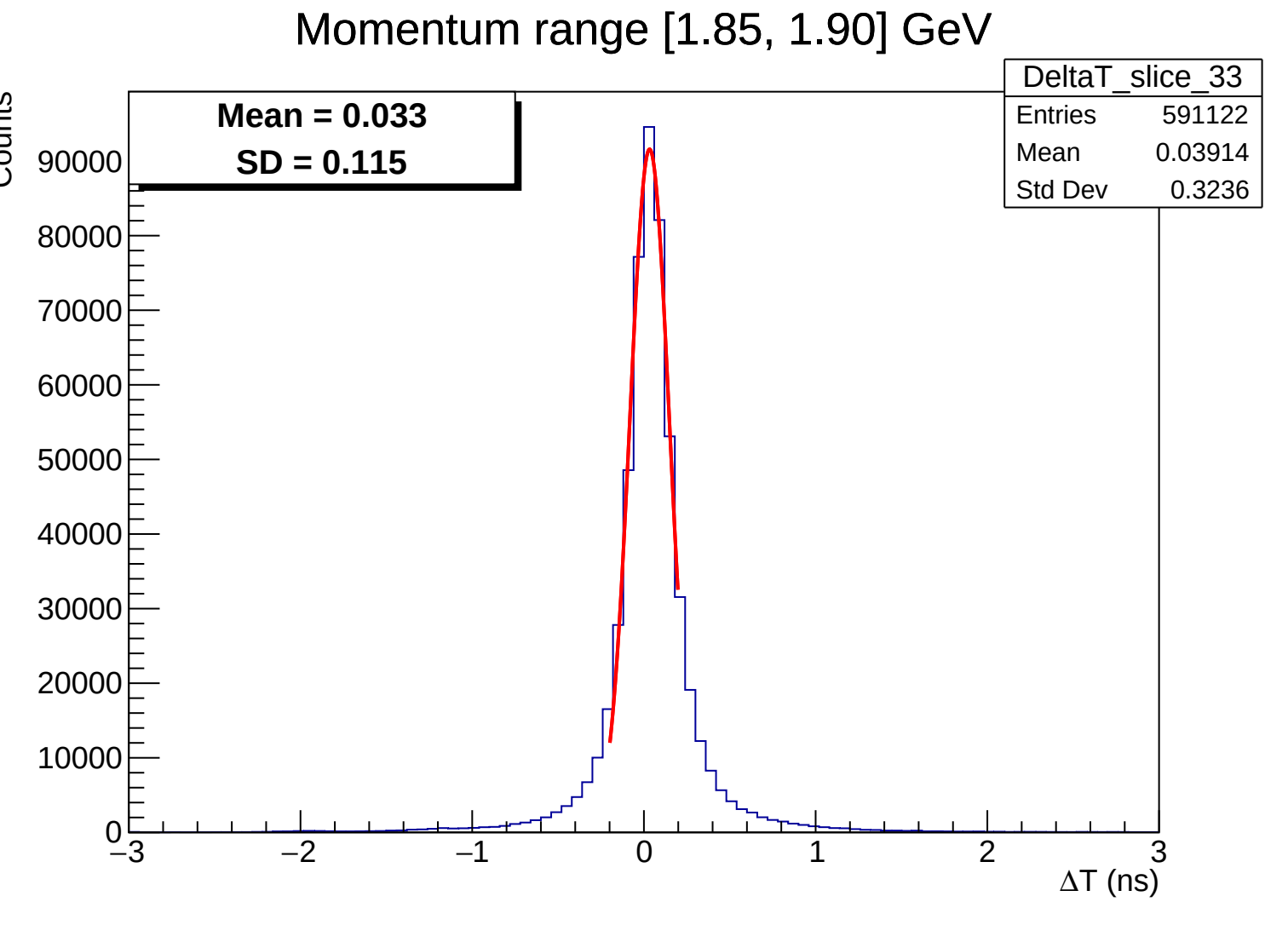

Momentum range [1.60, 1.65] GeV
Mean = 0.035
SD = 0.118
DeltaT_slice_28
Entries 804005
Mean 0.04
Std Dev 0.3369
Counts
×10^3
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

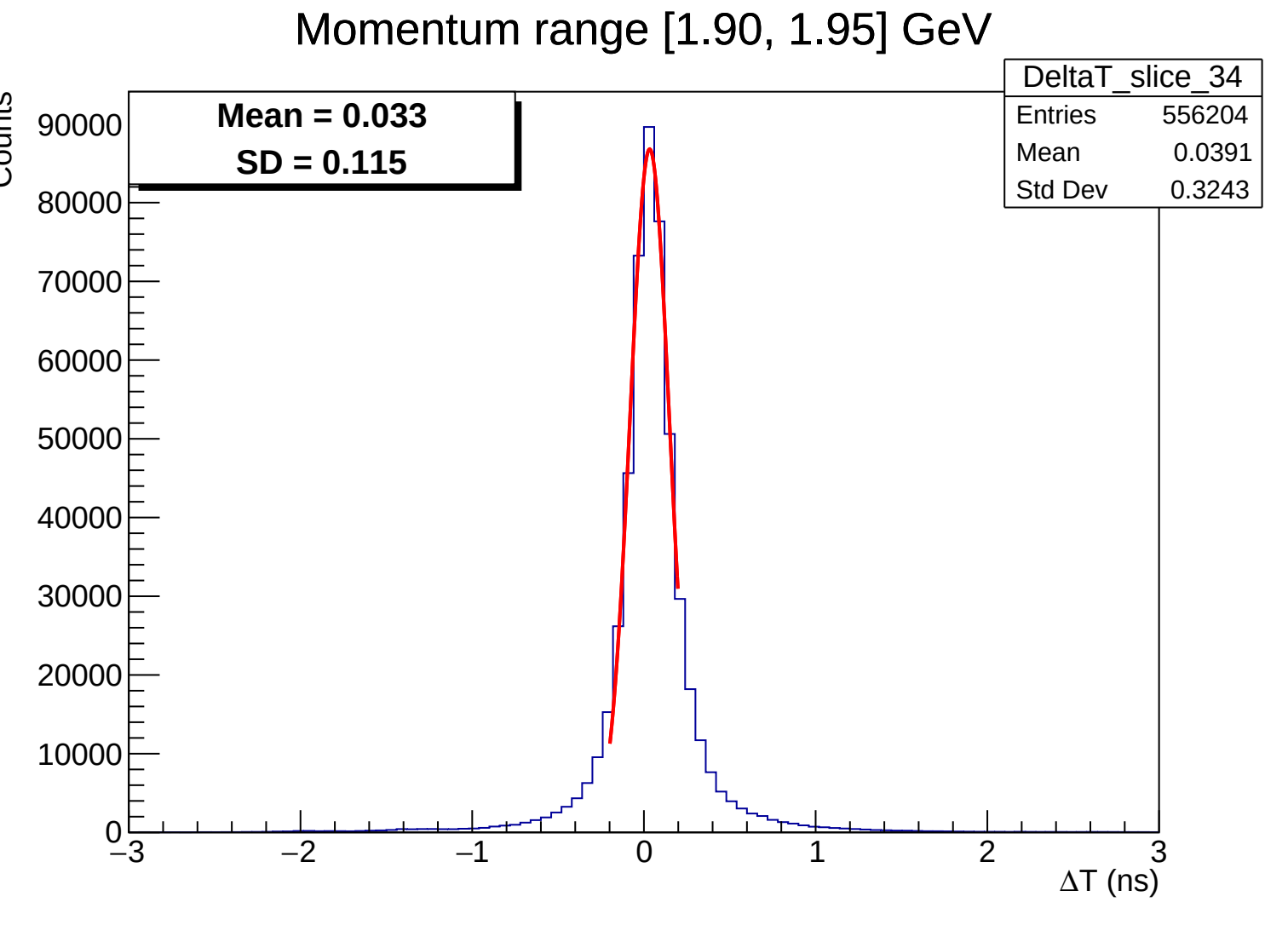

Momentum range [1.65, 1.70] GeV
Mean = 0.035
SD = 0.117
DeltaT_slice_29
Entries 754974
Mean 0.03892
Std Dev 0.3364
Counts
×10^3
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

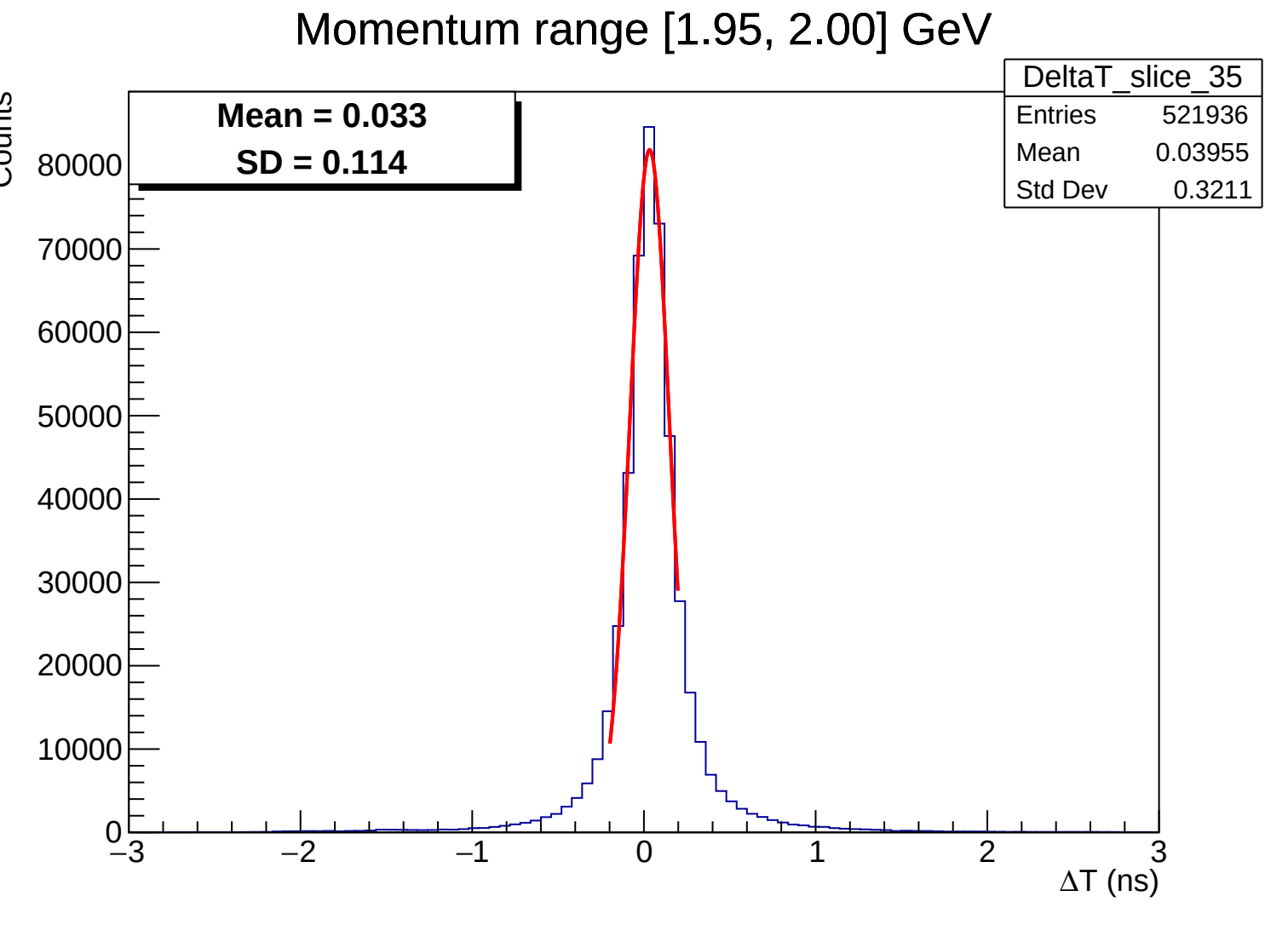

Momentum range [1.70, 1.75] GeV
Counts
×10^3
Mean = 0.035
SD = 0.117
DeltaT_slice_30
Entries 710647
Mean 0.03766
Std Dev 0.3353
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

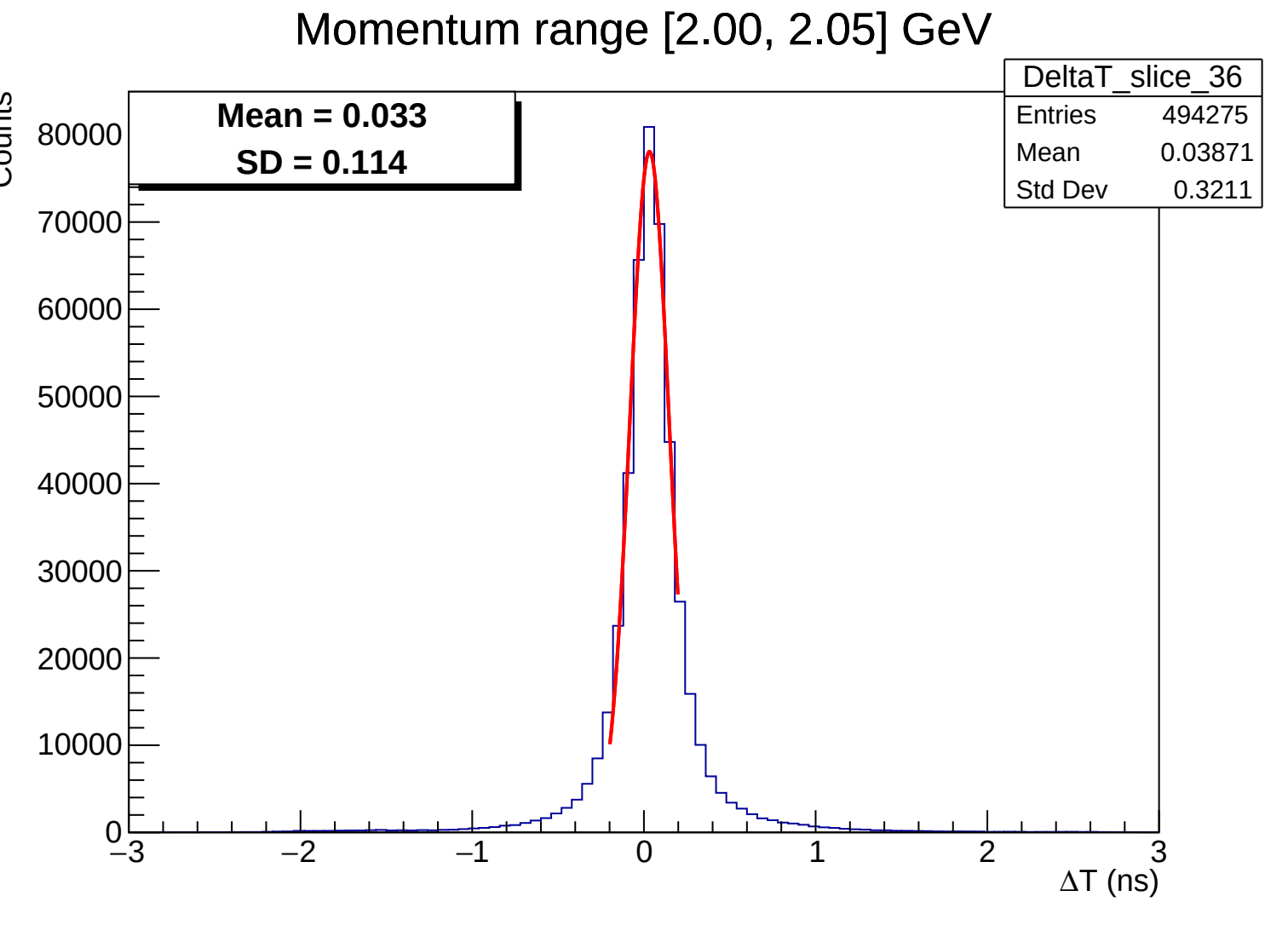

Momentum range [1.75, 1.80] GeV
Mean = 0.034
SD = 0.116
DeltaT_slice_31
Entries 667193
Mean 0.03857
Std Dev 0.3324
Counts
×10^3
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

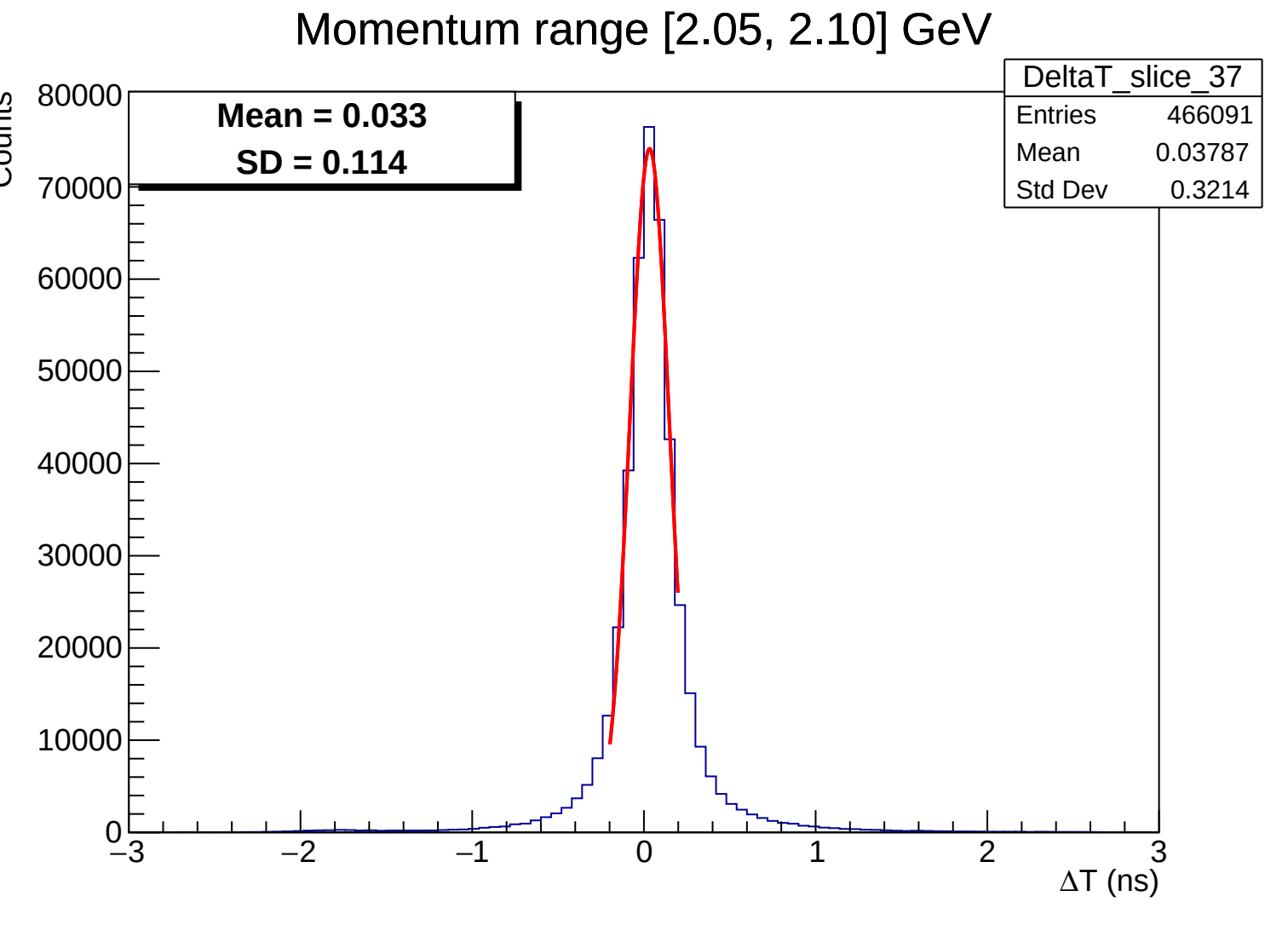

Momentum range [1.80, 1.85] GeV
Counts
×10^3
Mean = 0.034
SD = 0.115
DeltaT_slice_32
Entries 629044
Mean 0.03835
Std Dev 0.3279
100
80
60
40
20
0
−3
−2
−1
0
1
2
3
ΔT (ns)

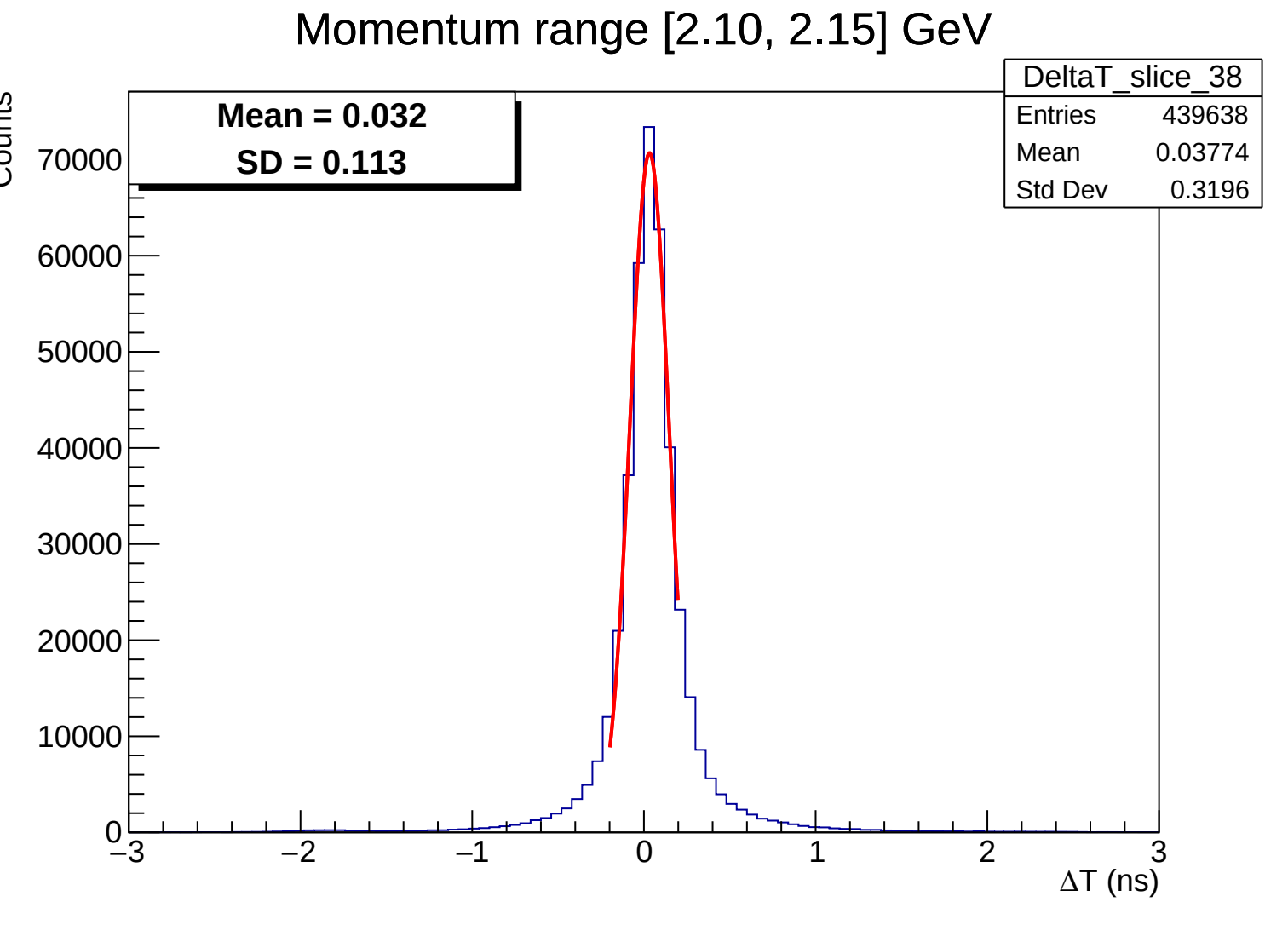

Momentum range [1.85, 1.90] GeV
Mean = 0.033
SD = 0.115
DeltaT_slice_33
Entries 591122
Mean 0.03914
Std Dev 0.3236
Counts
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

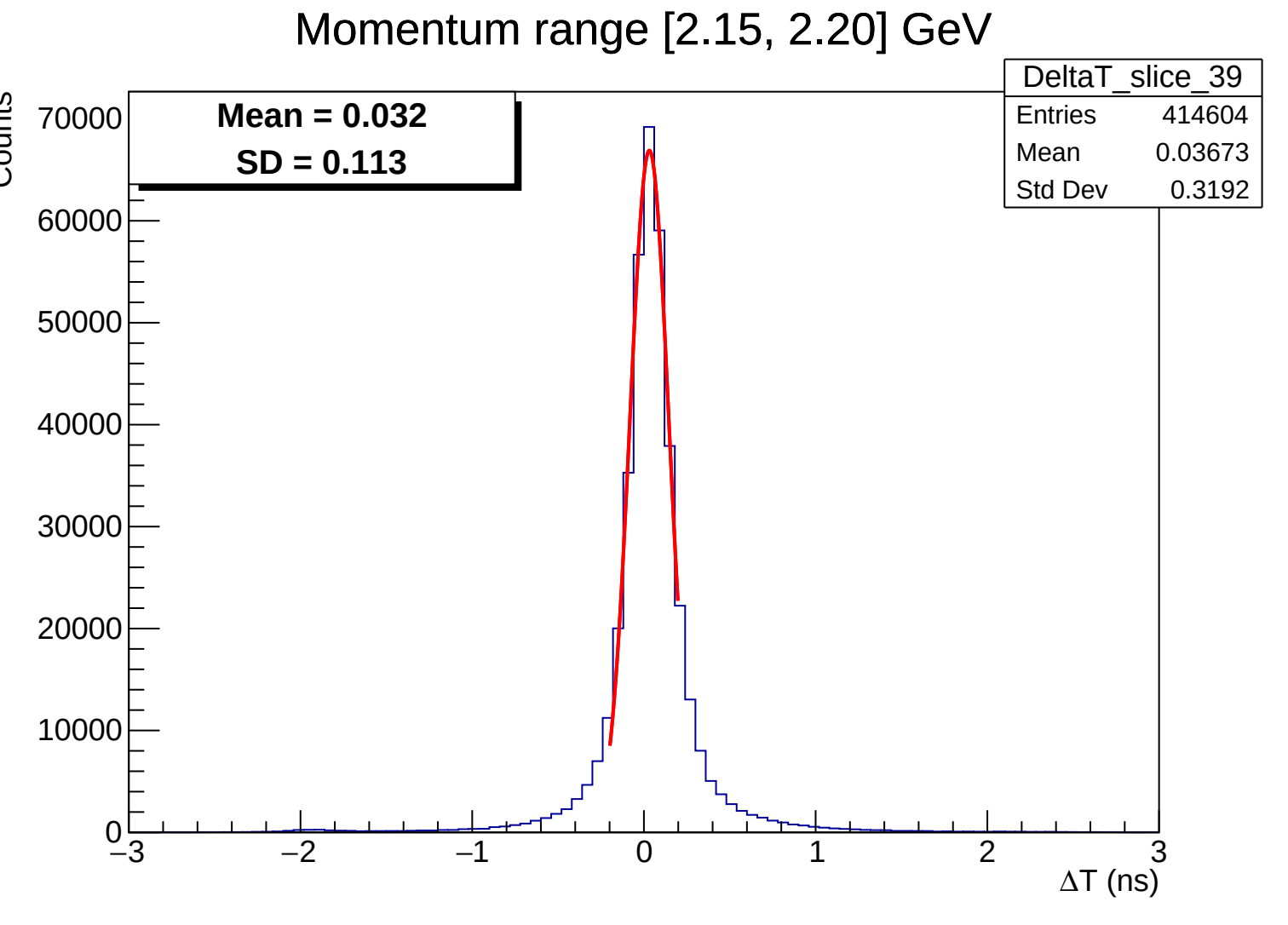

Momentum range [1.90, 1.95] GeV
Mean = 0.033
SD = 0.115
DeltaT_slice_34
Entries 556204
Mean 0.0391
Std Dev 0.3243
Counts
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

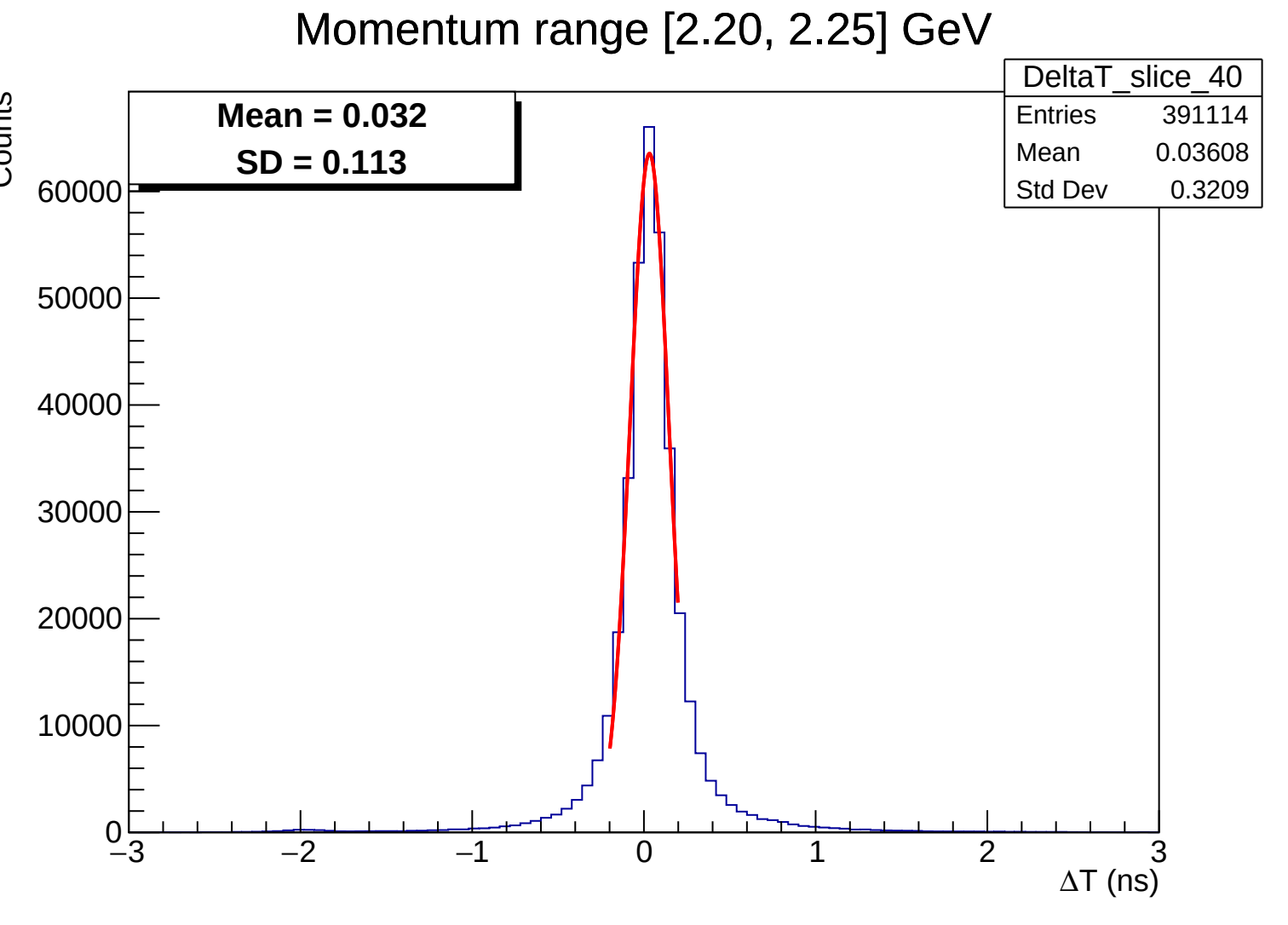

Momentum range [1.95, 2.00] GeV
Mean = 0.033
SD = 0.114
DeltaT_slice_35
Entries 521936
Mean 0.03955
Std Dev 0.3211
Counts
80000
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

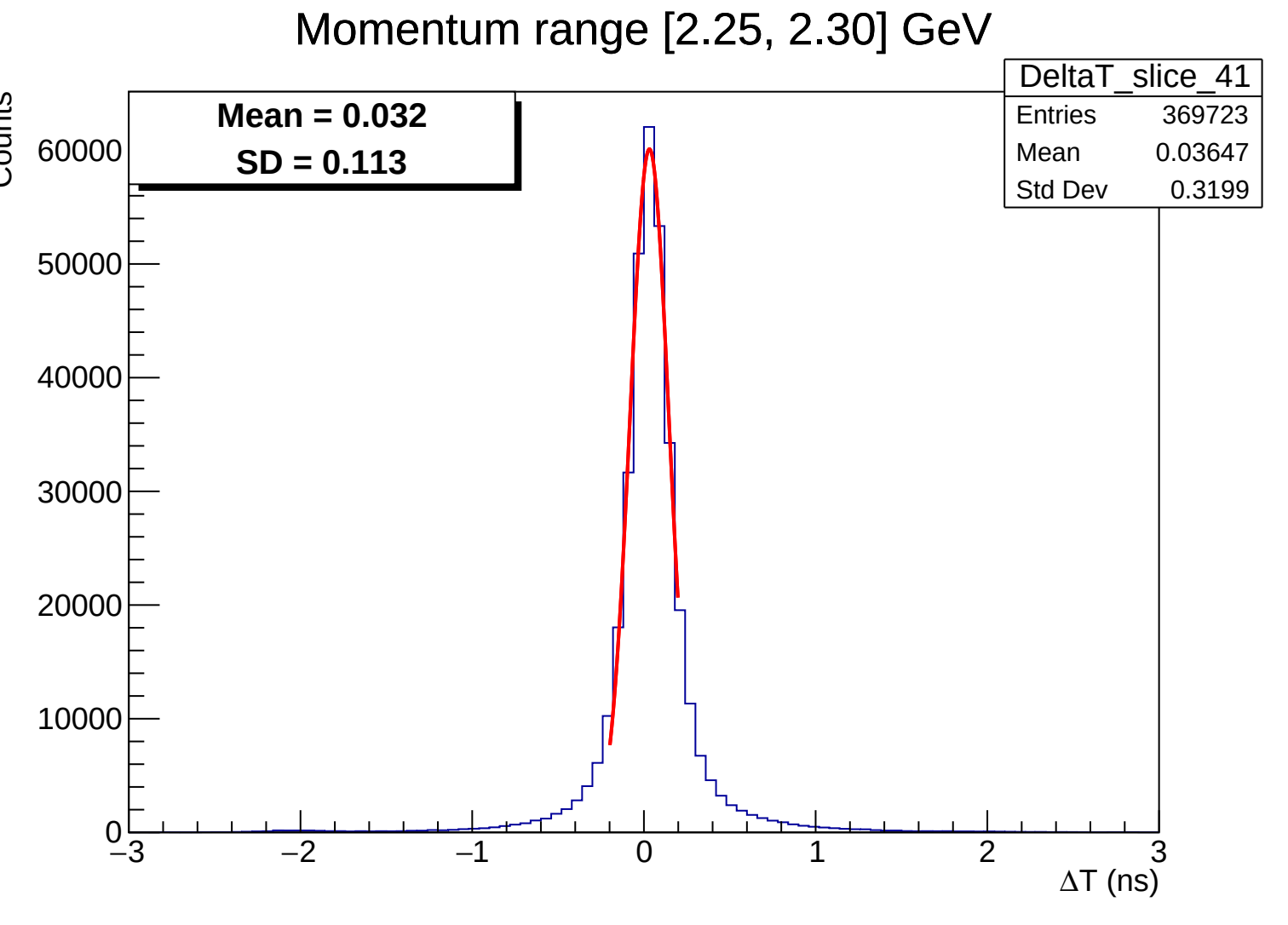

Momentum range [2.00, 2.05] GeV
DeltaT_slice_36
Entries 494275
Mean 0.03871
Std Dev 0.3211
Mean = 0.033
SD = 0.114
Counts
80000
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

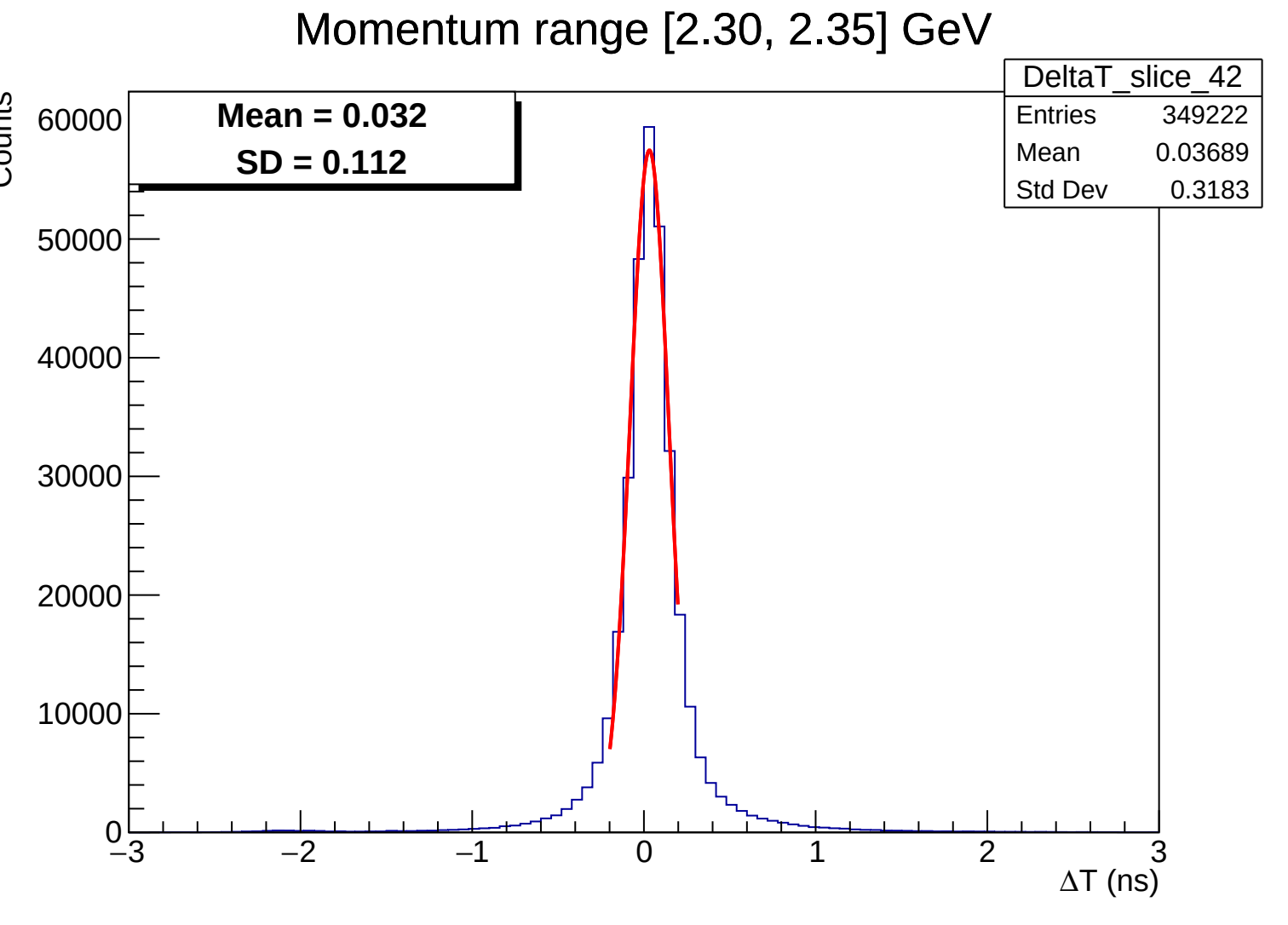

Momentum range [2.05, 2.10] GeV
Mean = 0.033
SD = 0.114
DeltaT_slice_37
Entries 466091
Mean 0.03787
Std Dev 0.3214
Counts
80000
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

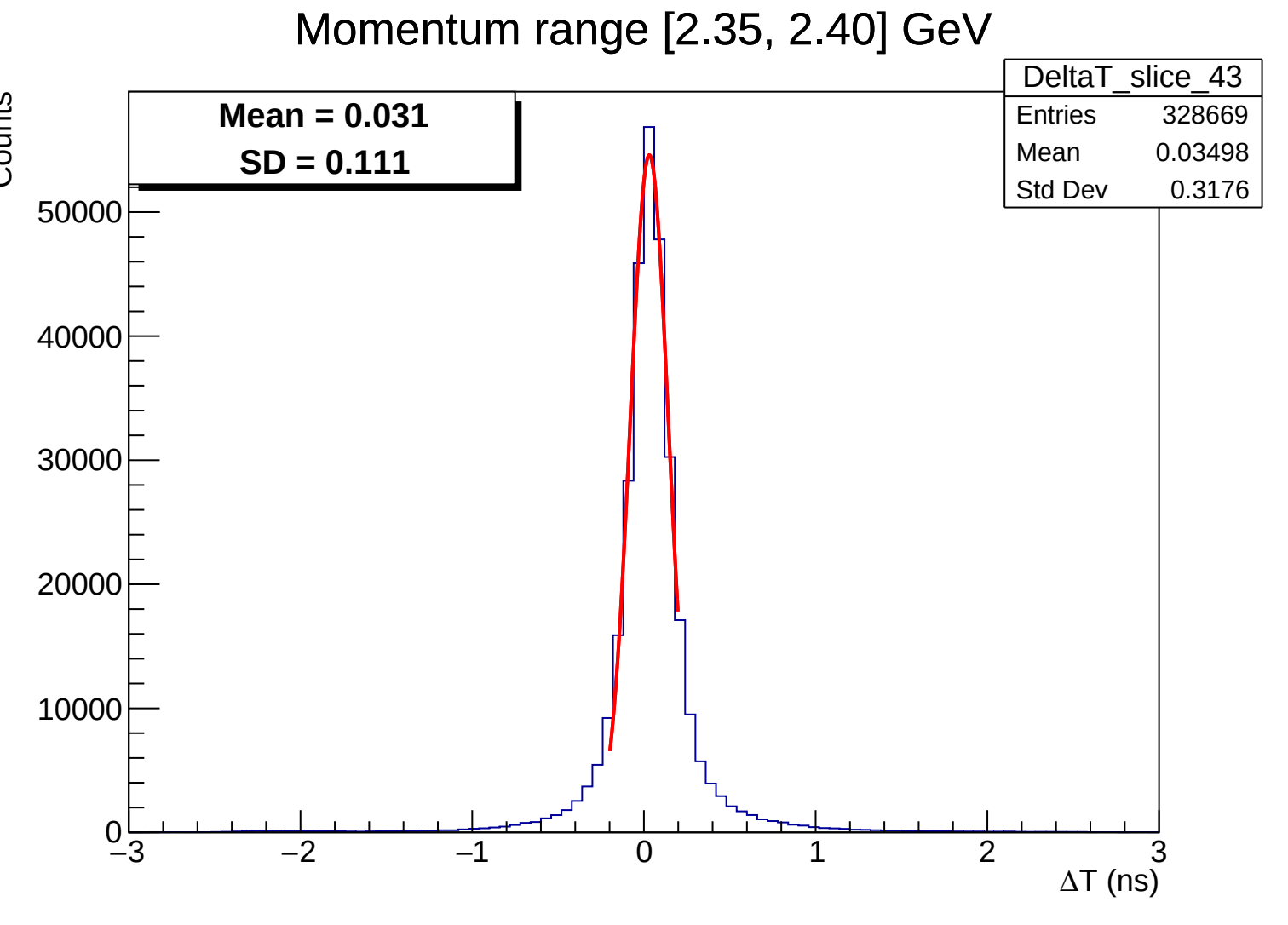

Momentum range [2.10, 2.15] GeV
Mean = 0.032
SD = 0.113
DeltaT_slice_38
Entries 439638
Mean 0.03774
Std Dev 0.3196
Counts
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

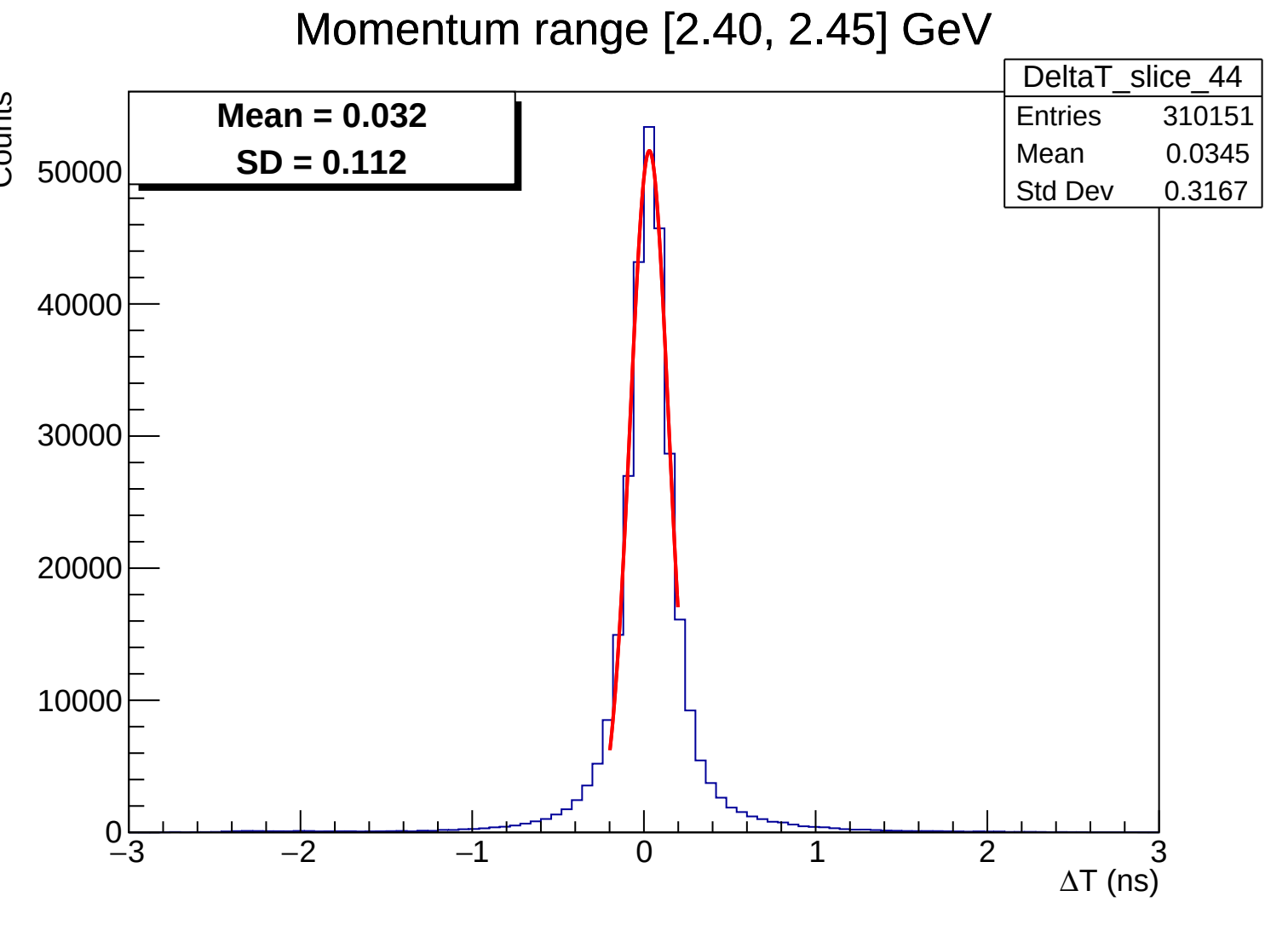

Momentum range [2.15, 2.20] GeV
Mean = 0.032
SD = 0.113
DeltaT_slice_39
Entries 414604
Mean 0.03673
Std Dev 0.3192
Counts
70000
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

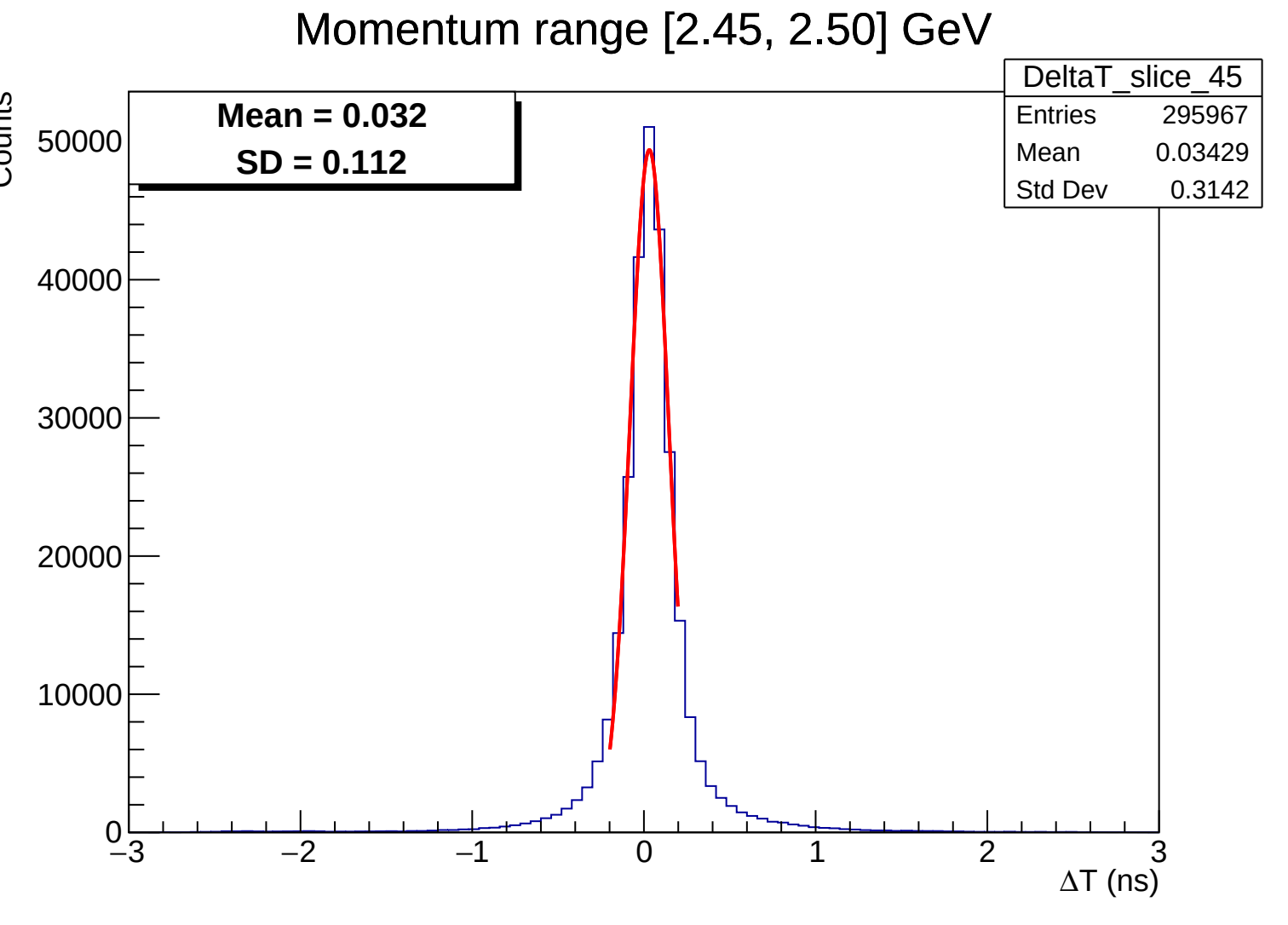

Momentum range [2.20, 2.25] GeV
Mean = 0.032
SD = 0.113
DeltaT_slice_40
Entries 391114
Mean 0.03608
Std Dev 0.3209
Counts
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

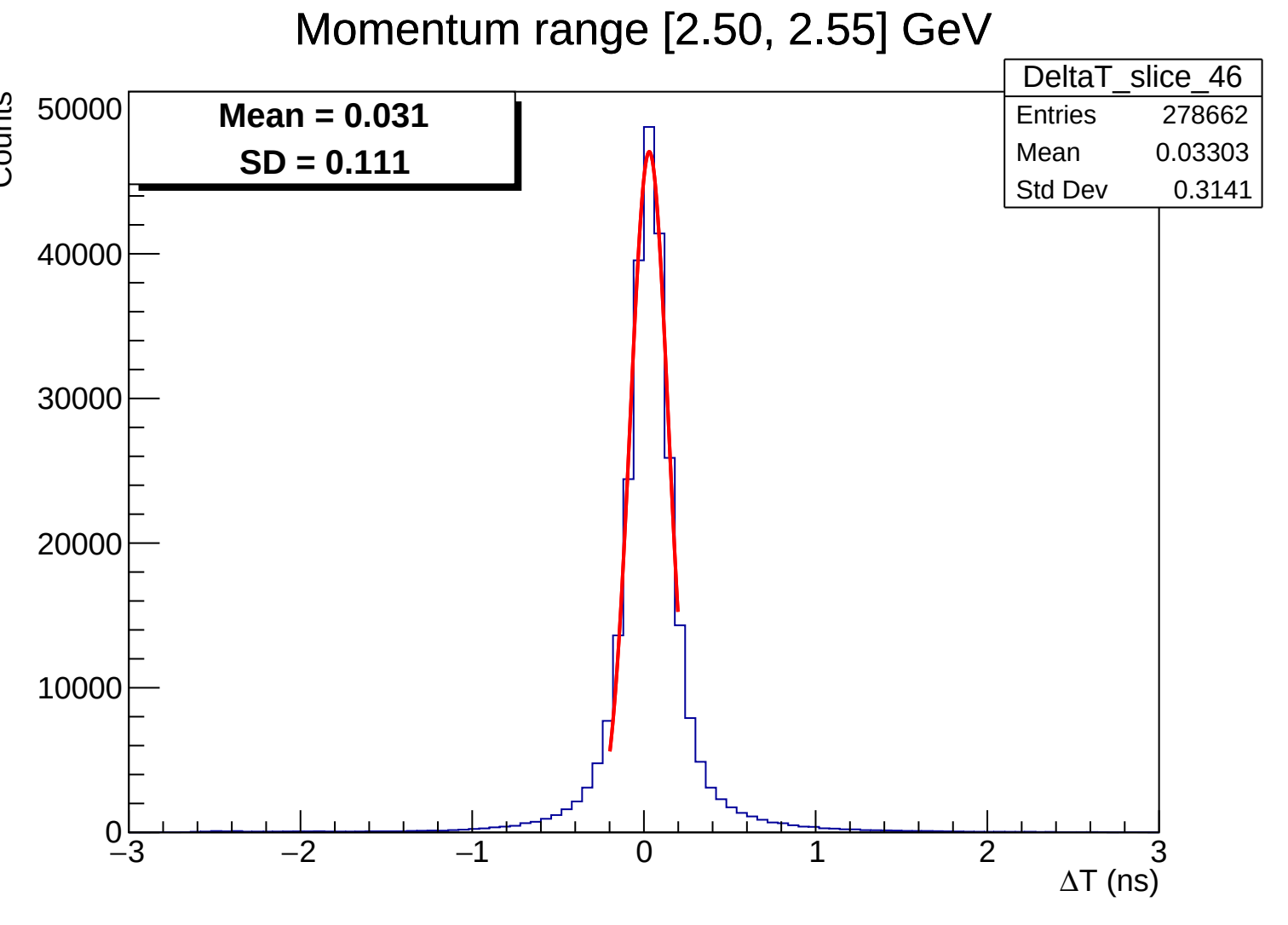

Momentum range [2.25, 2.30] GeV
Mean = 0.032
SD = 0.113
DeltaT_slice_41
Entries 369723
Mean 0.03647
Std Dev 0.3199
Counts
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

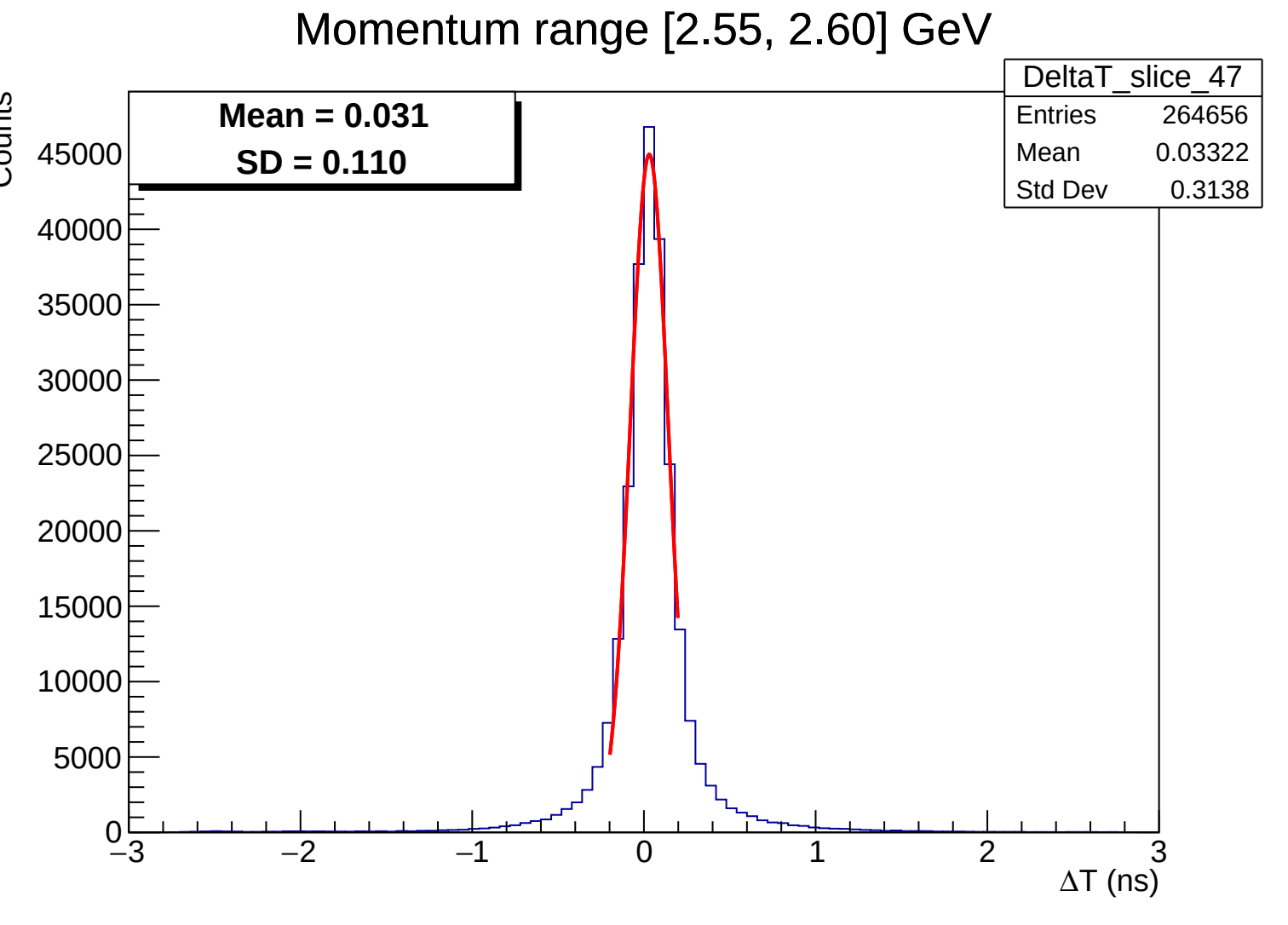

Momentum range [2.30, 2.35] GeV
Mean = 0.032
SD = 0.112
DeltaT_slice_42
Entries 349222
Mean 0.03689
Std Dev 0.3183
Counts
60000
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

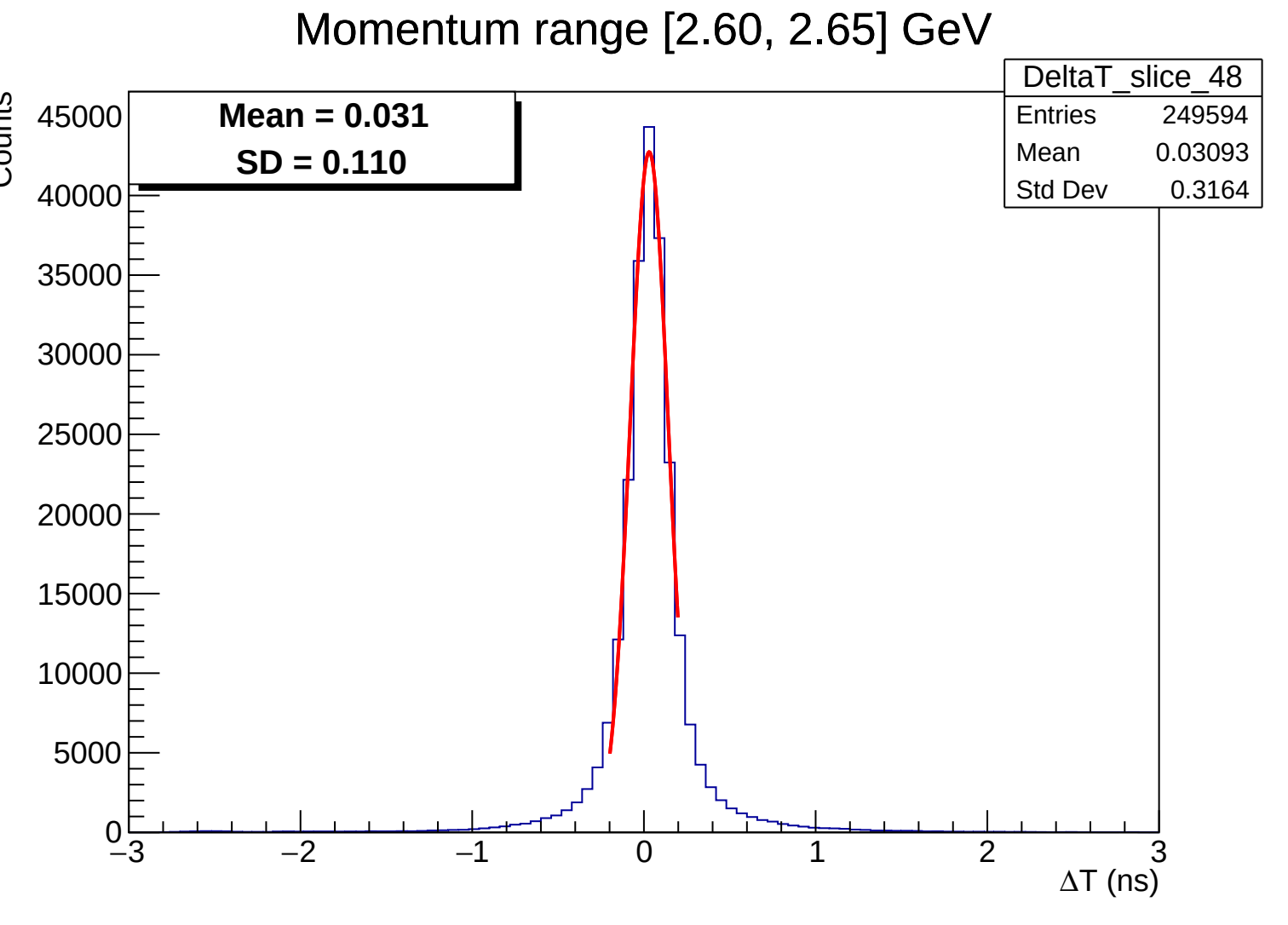

Momentum range [2.35, 2.40] GeV
Mean = 0.031
SD = 0.111
DeltaT_slice_43
Entries 328669
Mean 0.03498
Std Dev 0.3176
Counts
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

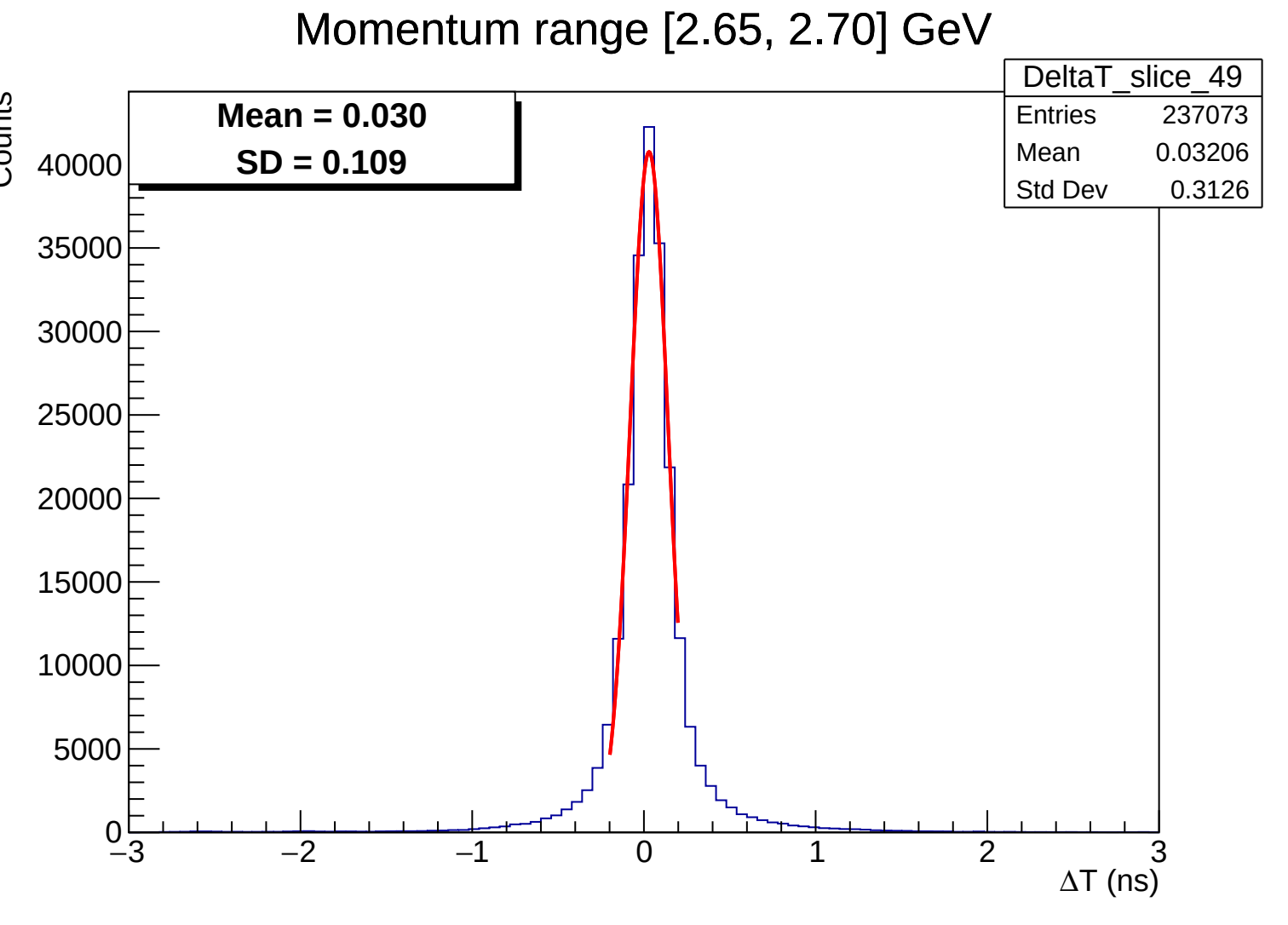

Momentum range [2.40, 2.45] GeV
Mean = 0.032
SD = 0.112
DeltaT_slice_44
Entries 310151
Mean 0.0345
Std Dev 0.3167
Counts
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

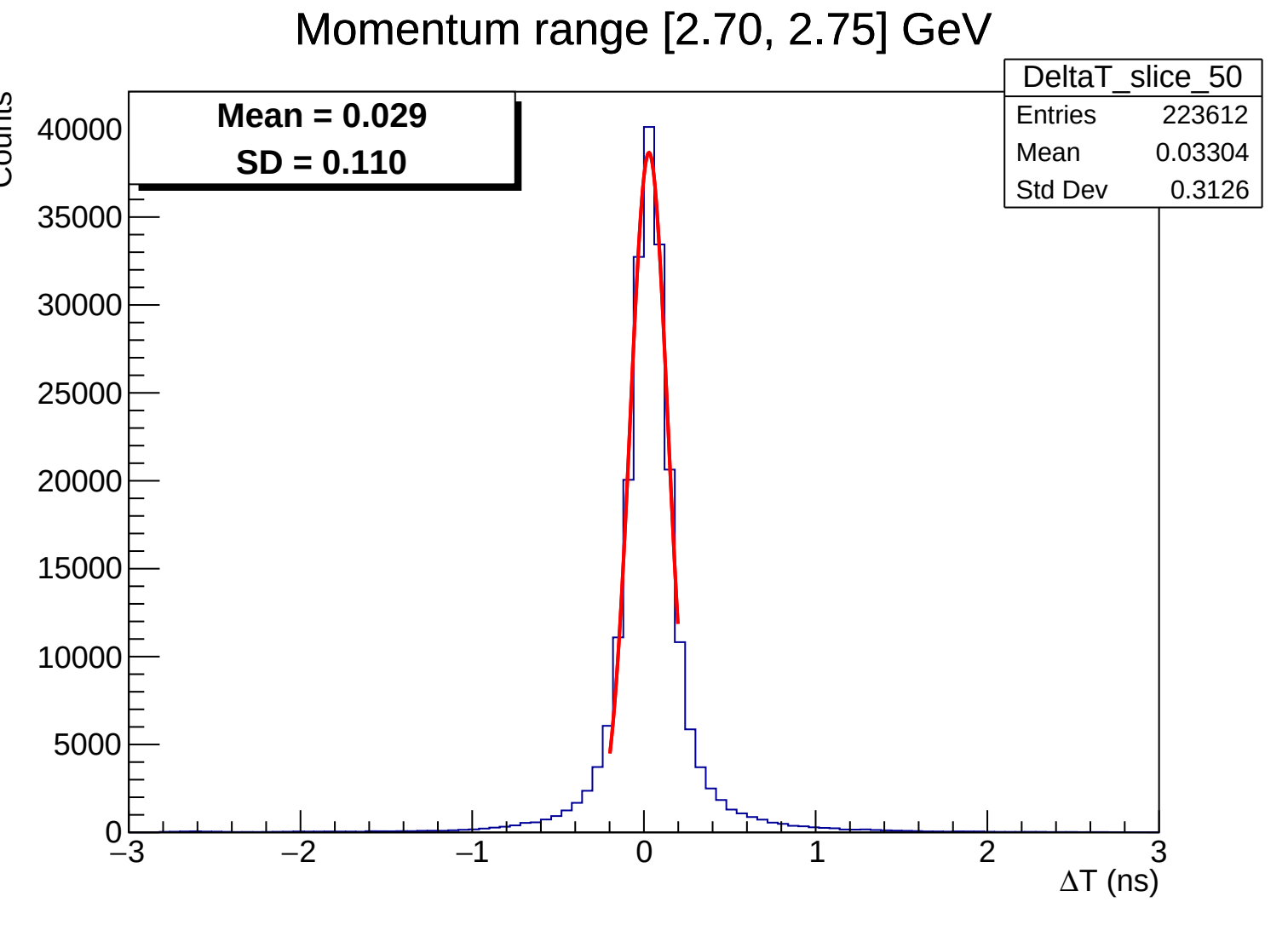

Momentum range [2.45, 2.50] GeV
Mean = 0.032
SD = 0.112
DeltaT_slice_45
Entries 295967
Mean 0.03429
Std Dev 0.3142
Counts
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

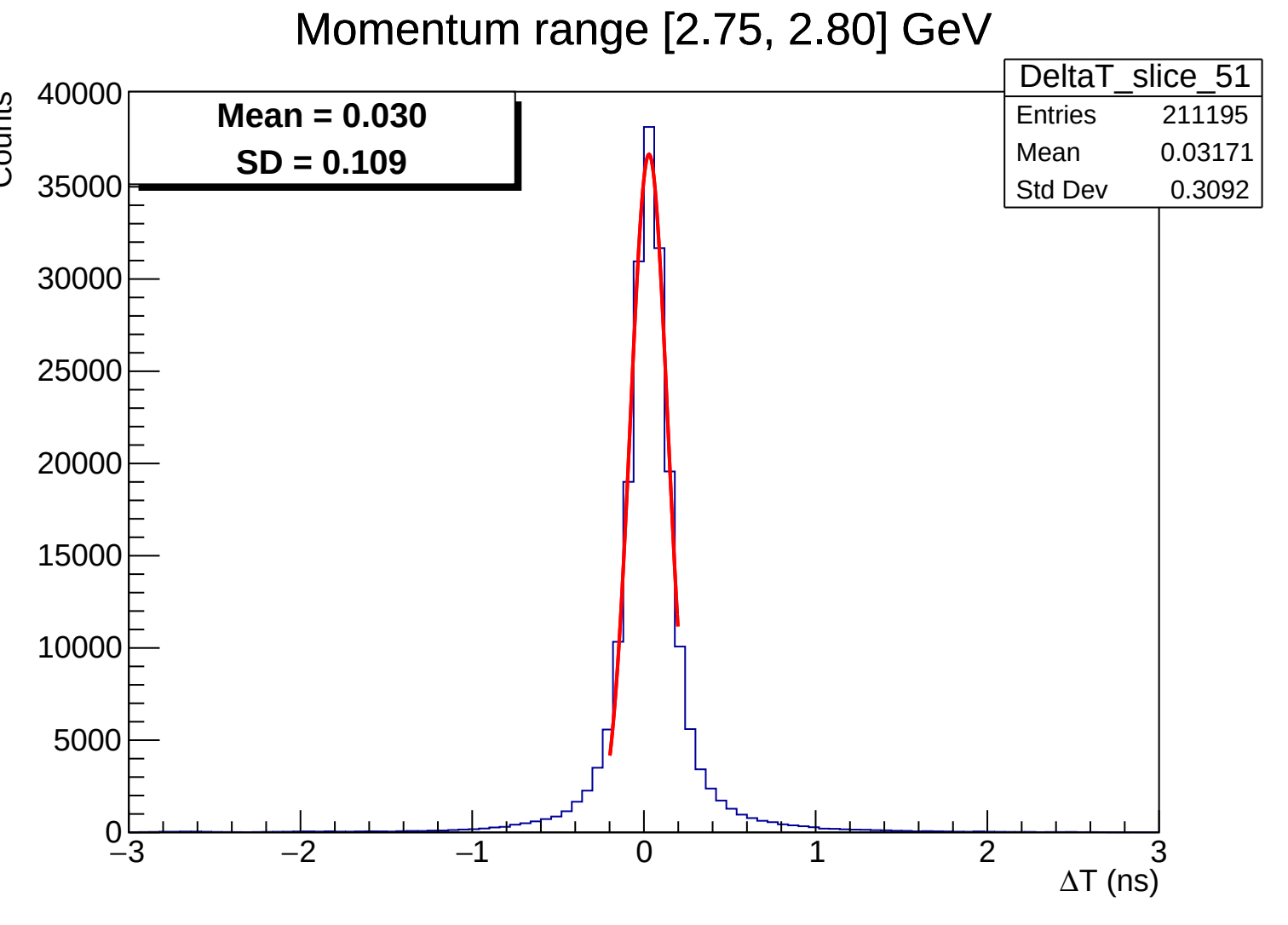

Momentum range [2.50, 2.55] GeV
DeltaT_slice_46
Entries 278662
Mean 0.03303
Std Dev 0.3141
Mean = 0.031
SD = 0.111
Counts
50000
40000
30000
20000
10000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

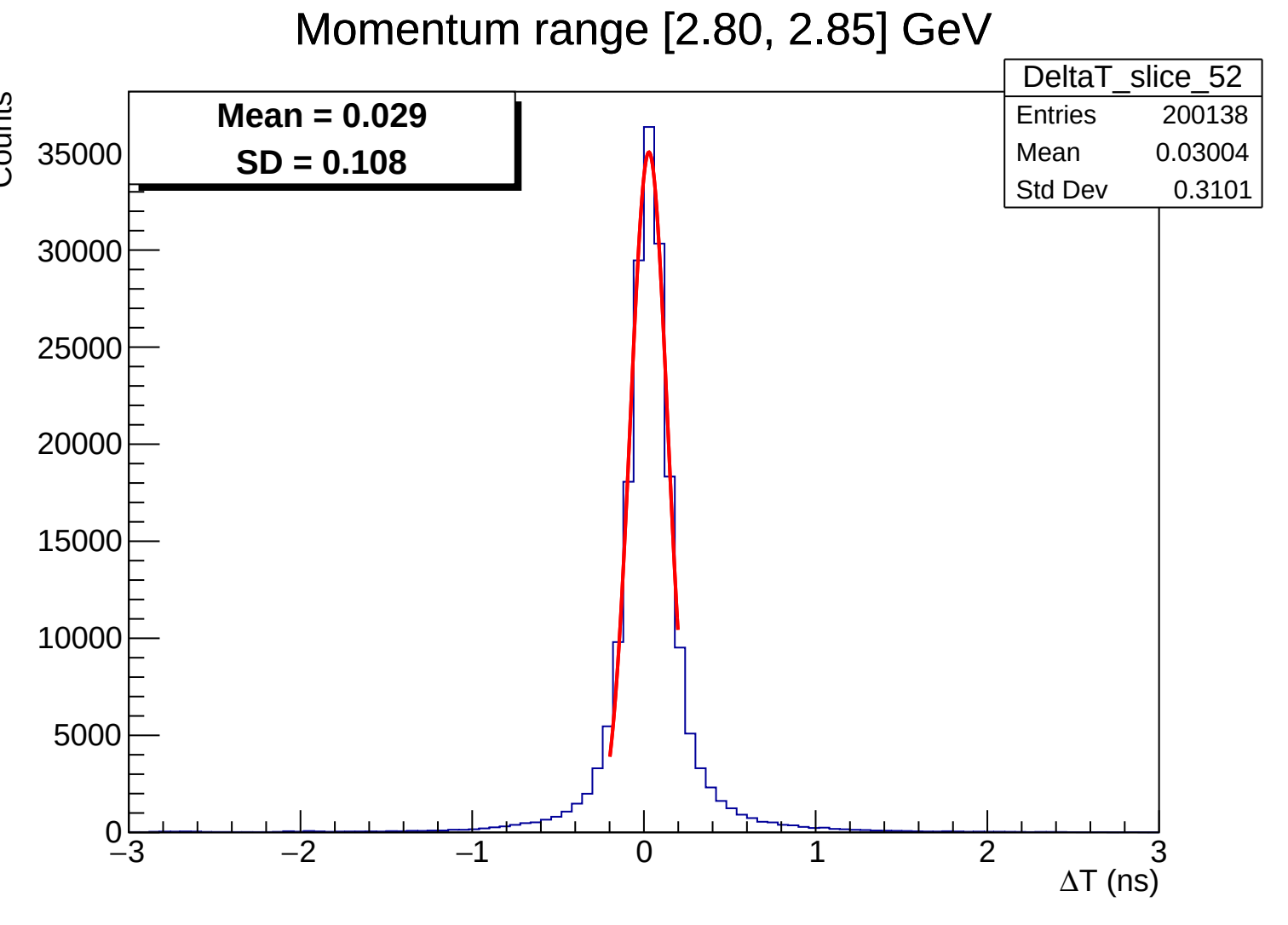

Momentum range [2.55, 2.60] GeV
Mean = 0.031
SD = 0.110
DeltaT_slice_47
Entries 264656
Mean 0.03322
Std Dev 0.3138
Counts
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

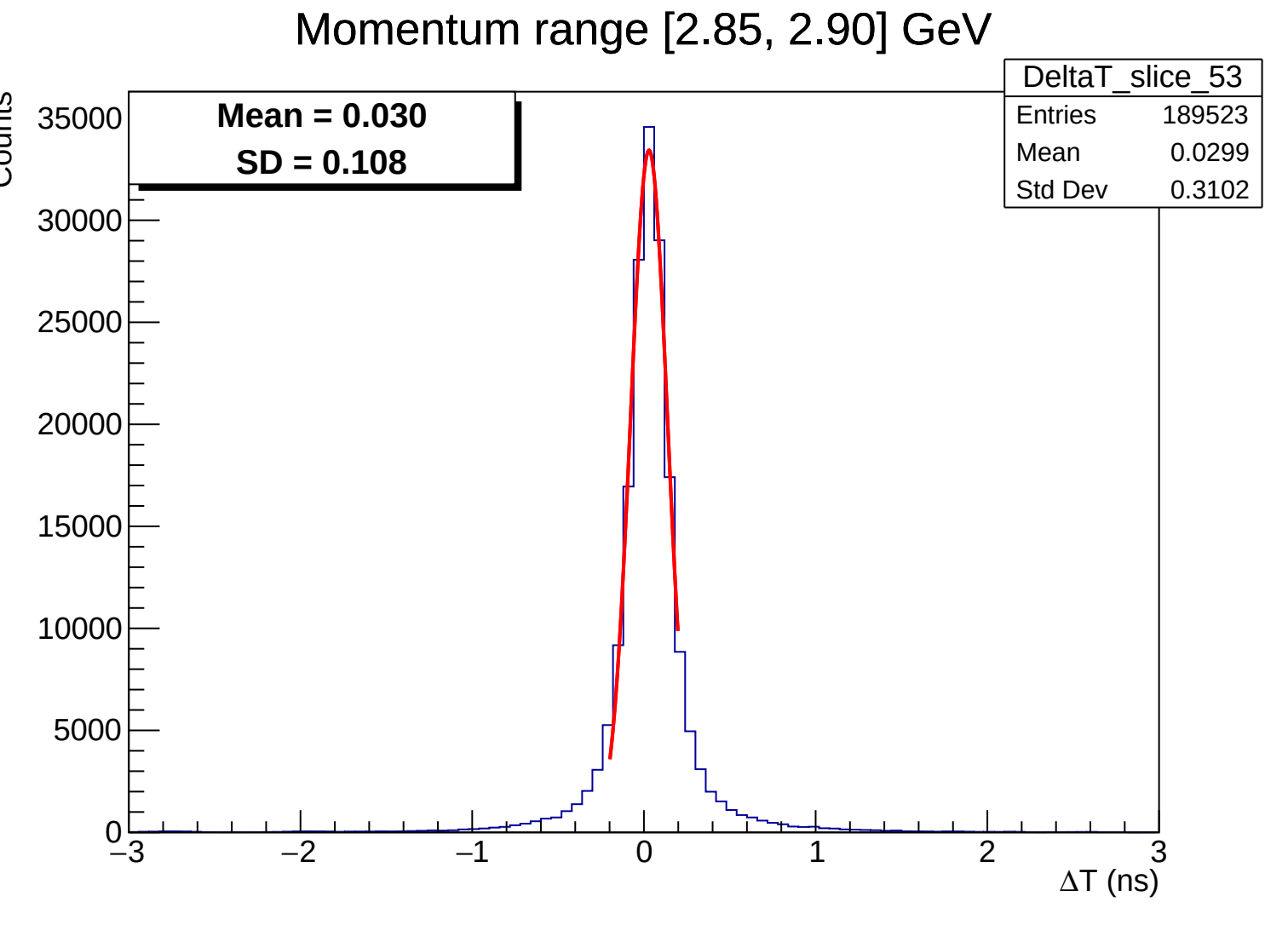

Momentum range [2.60, 2.65] GeV
Mean = 0.031
SD = 0.110
DeltaT_slice_48
Entries 249594
Mean 0.03093
Std Dev 0.3164
Counts
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

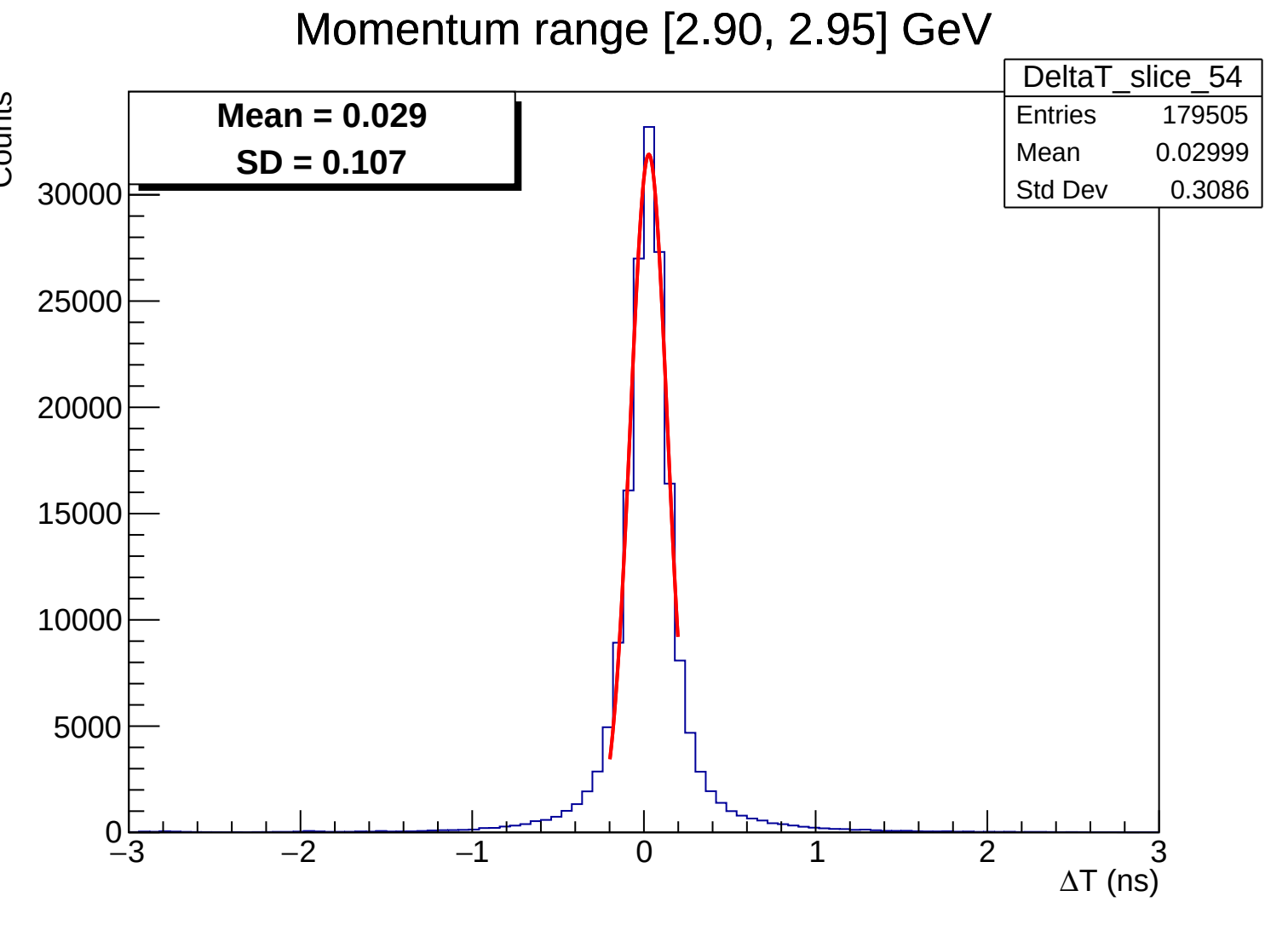

Momentum range [2.65, 2.70] GeV
Mean = 0.030
SD = 0.109
DeltaT_slice_49
Entries 237073
Mean 0.03206
Std Dev 0.3126
Counts
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

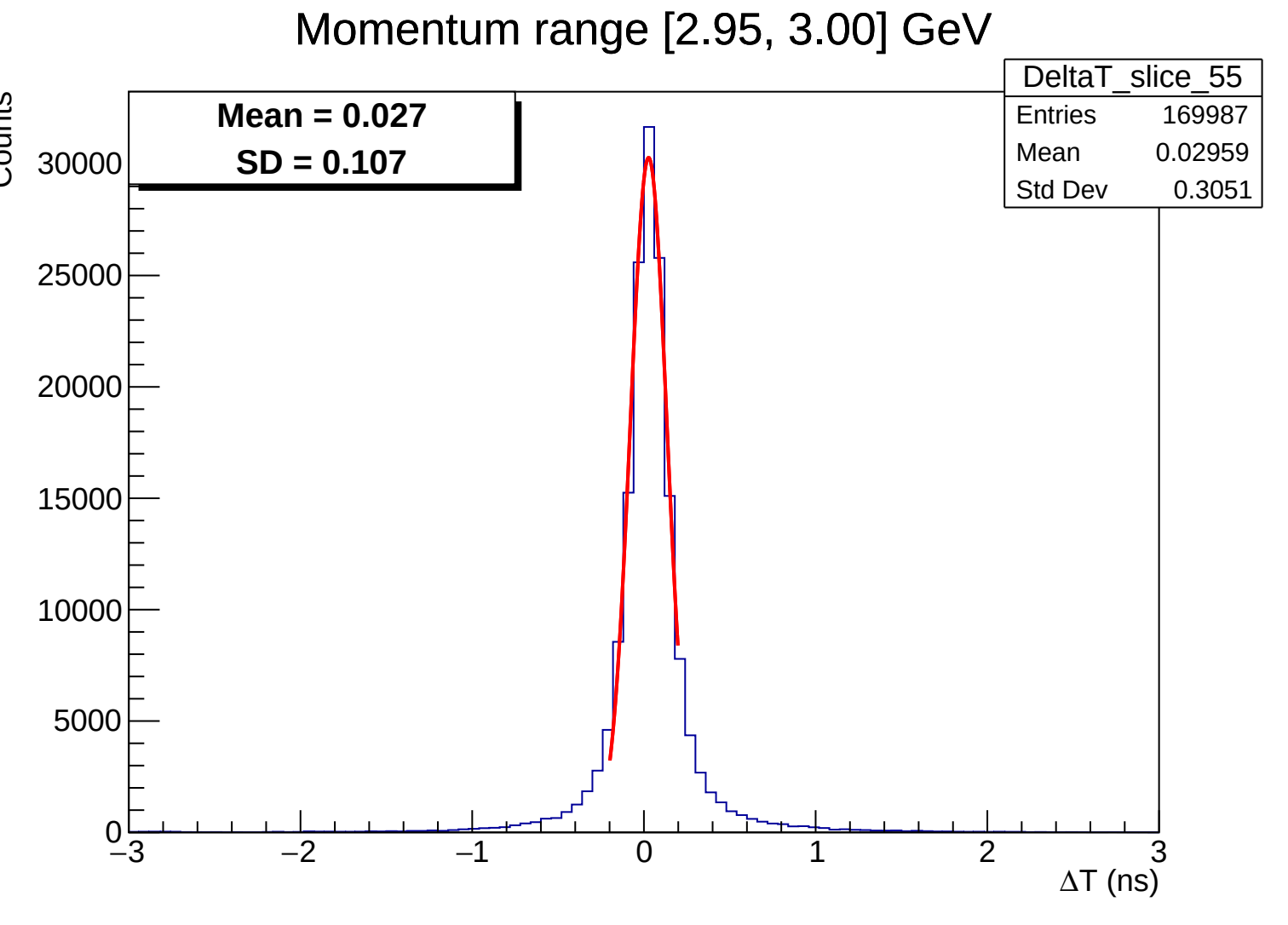

Momentum range [2.70, 2.75] GeV
Mean = 0.029
SD = 0.110
DeltaT_slice_50
Entries 223612
Mean 0.03304
Std Dev 0.3126
Counts
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

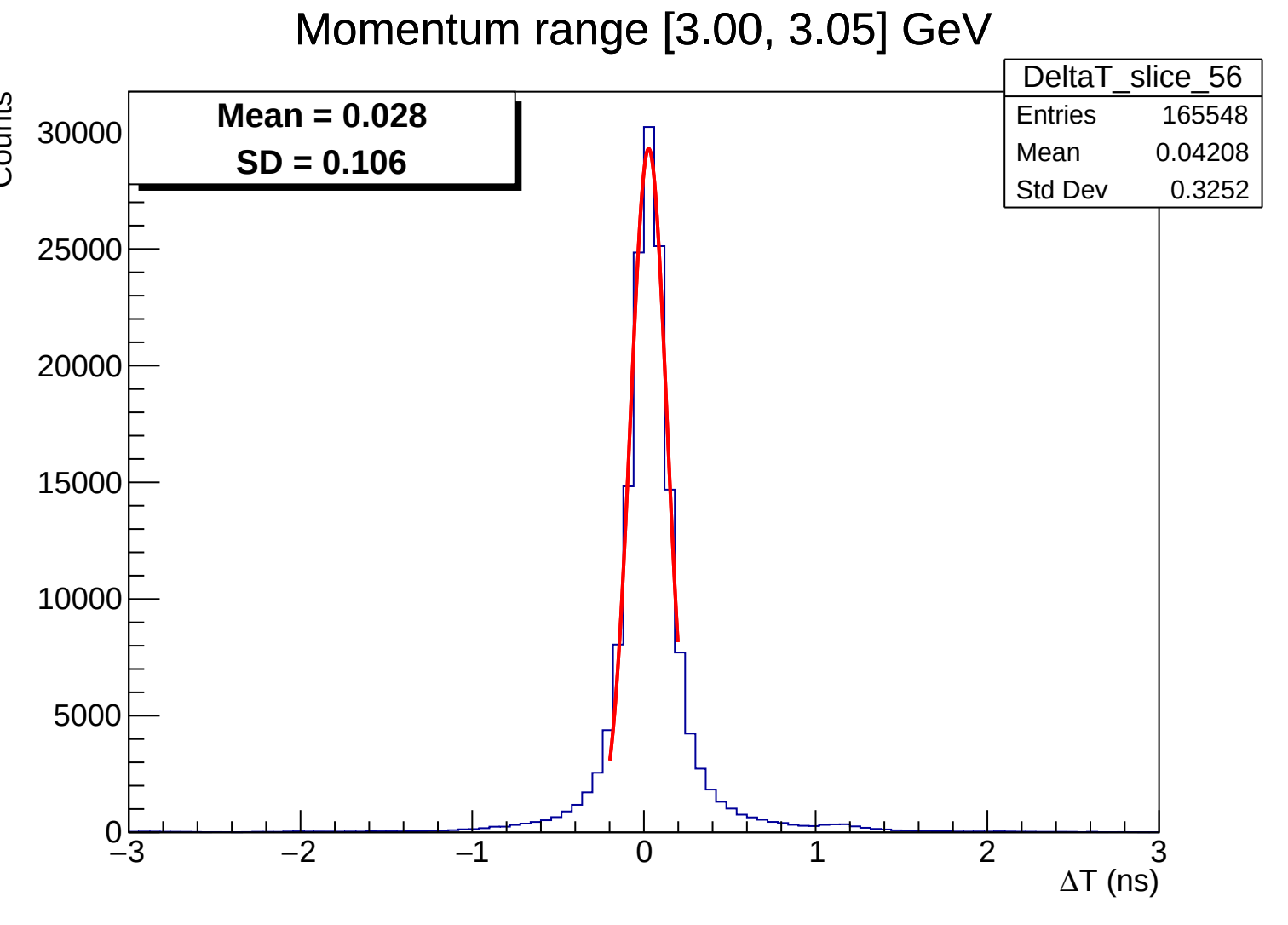

Momentum range [2.75, 2.80] GeV
Mean = 0.030
SD = 0.109
DeltaT_slice_51
Entries 211195
Mean 0.03171
Std Dev 0.3092
Counts
40000
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

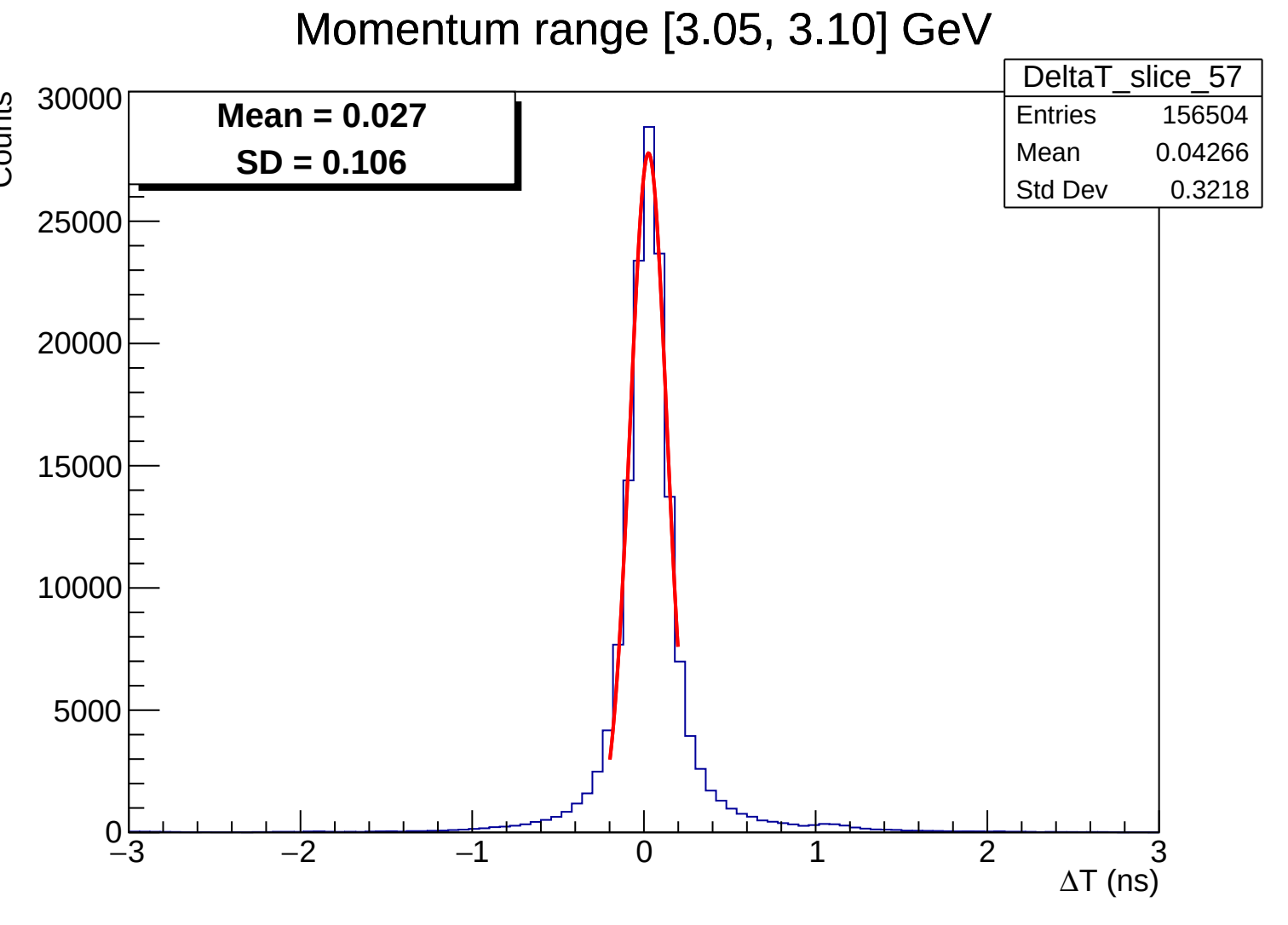

Momentum range [2.80, 2.85] GeV
Mean = 0.029
SD = 0.108
DeltaT_slice_52
Entries 200138
Mean 0.03004
Std Dev 0.3101
Counts
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

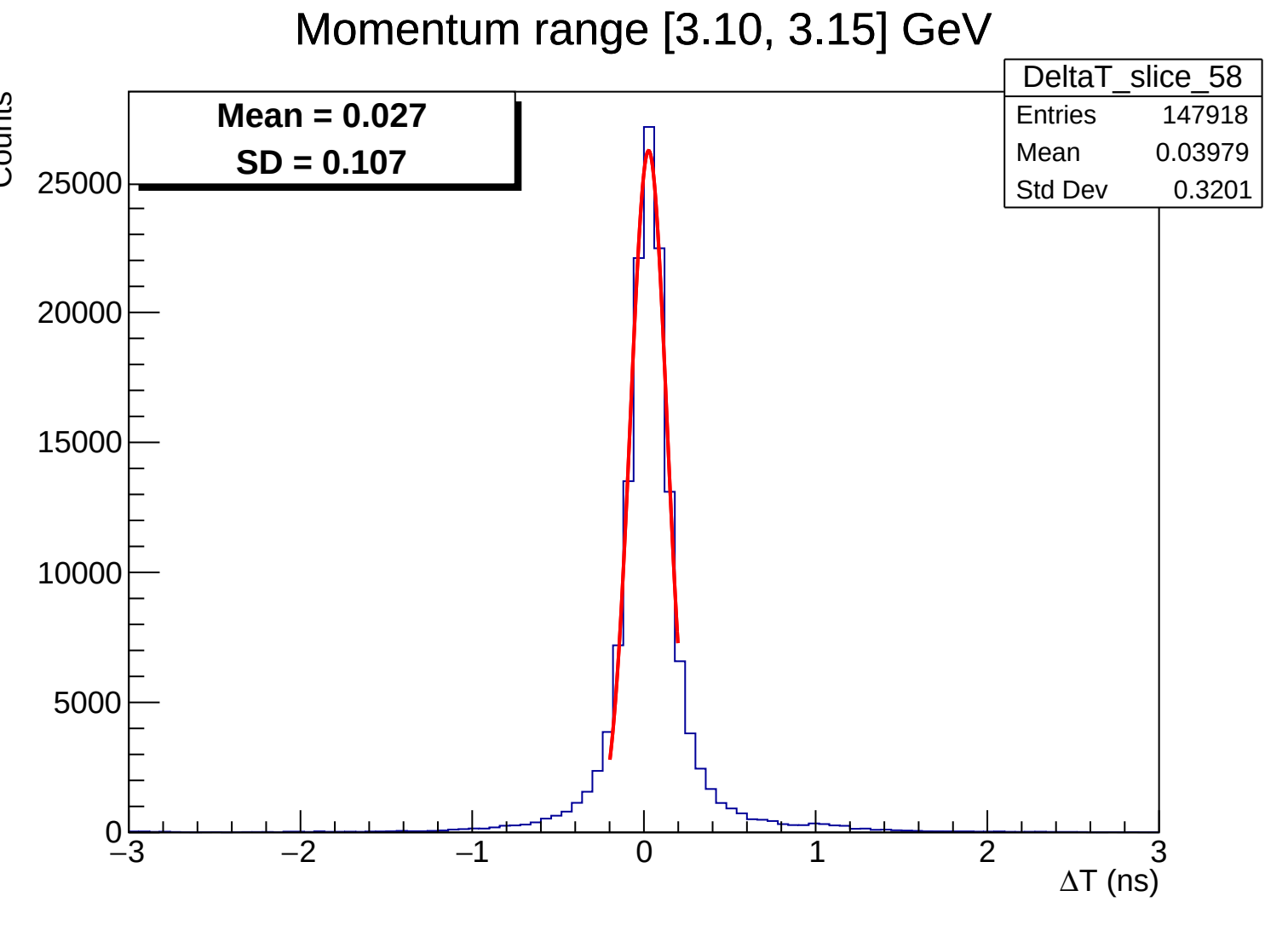

Momentum range [2.85, 2.90] GeV
DeltaT_slice_53
Entries 189523
Mean 0.0299
Std Dev 0.3102
Mean = 0.030
SD = 0.108
Counts
35000
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

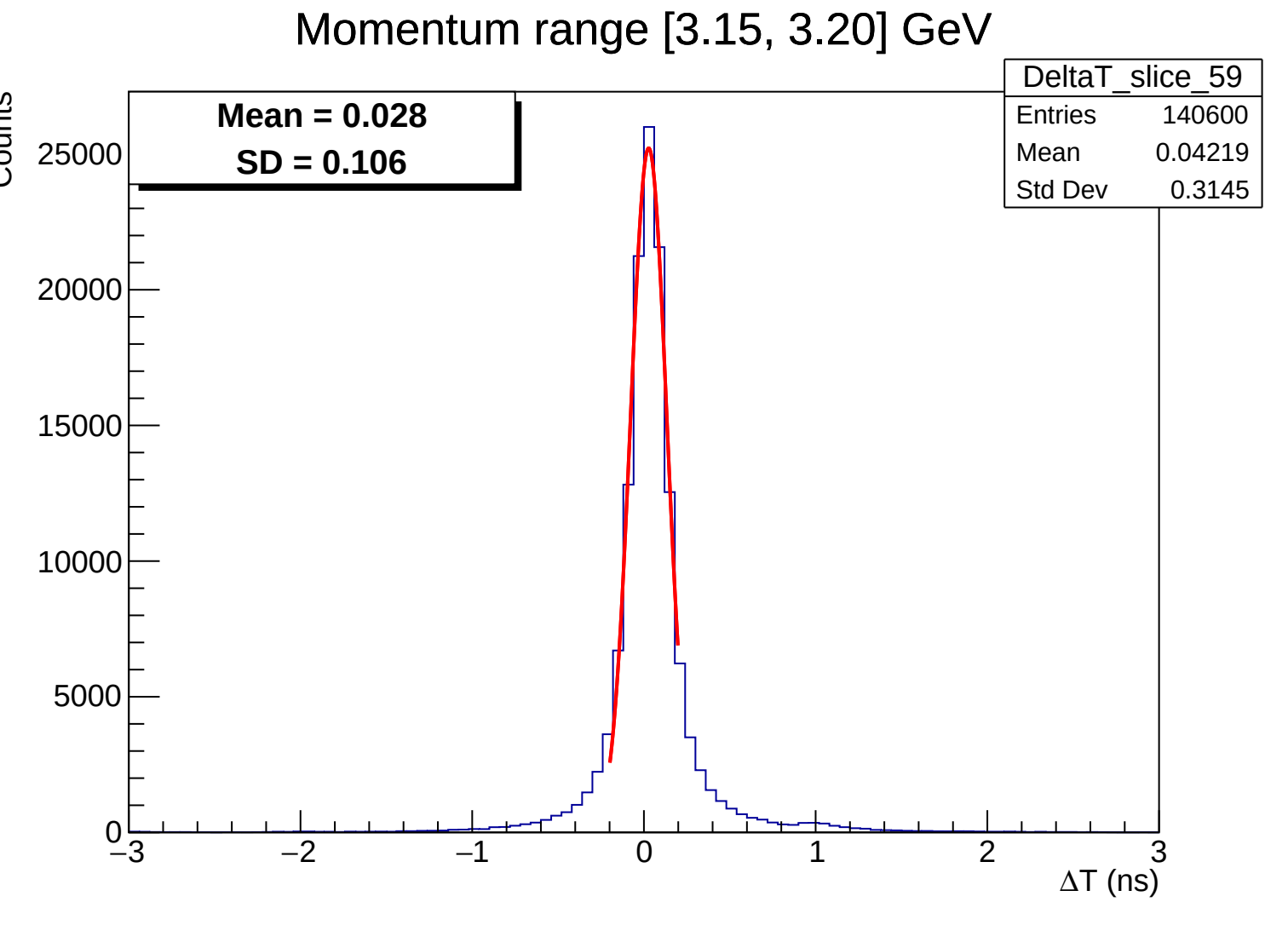

Momentum range [2.90, 2.95] GeV
Mean = 0.029
SD = 0.107
DeltaT_slice_54
Entries 179505
Mean 0.02999
Std Dev 0.3086
Counts
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

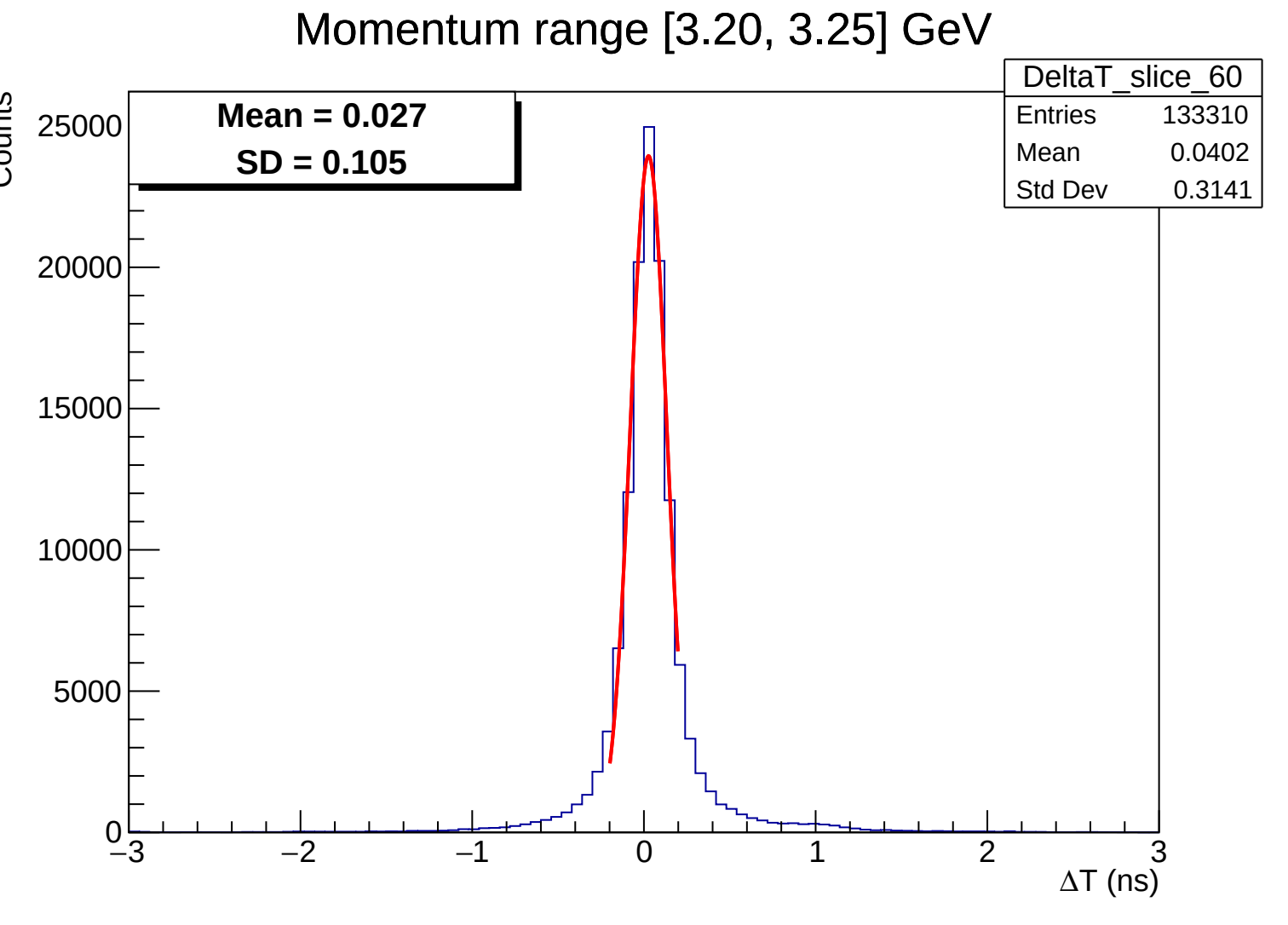

Momentum range [2.95, 3.00] GeV
Mean = 0.027
SD = 0.107
DeltaT_slice_55
Entries 169987
Mean 0.02959
Std Dev 0.3051
Counts
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

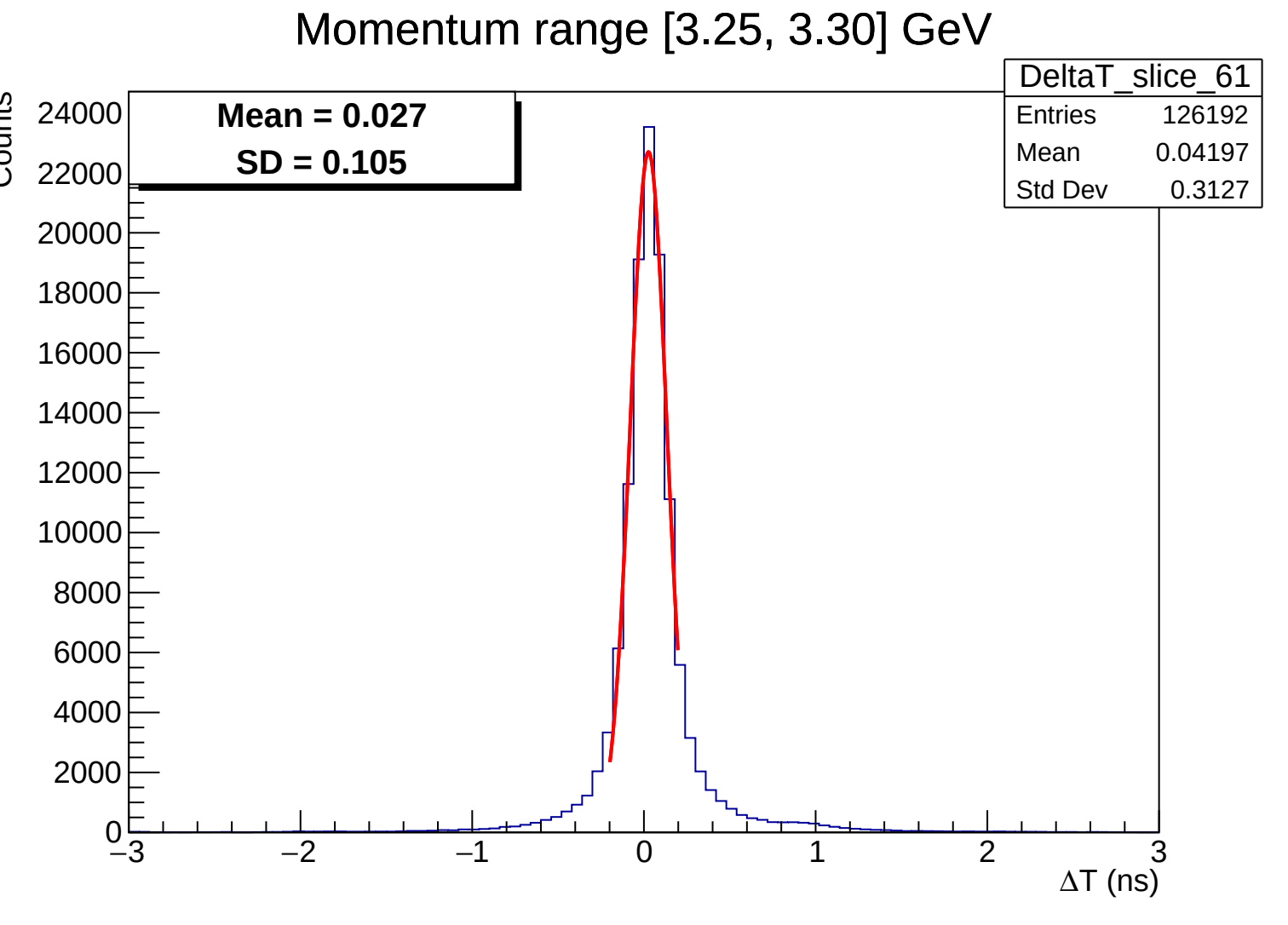

Momentum range [3.00, 3.05] GeV
Mean = 0.028
SD = 0.106
DeltaT_slice_56
Entries 165548
Mean 0.04208
Std Dev 0.3252
Counts
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

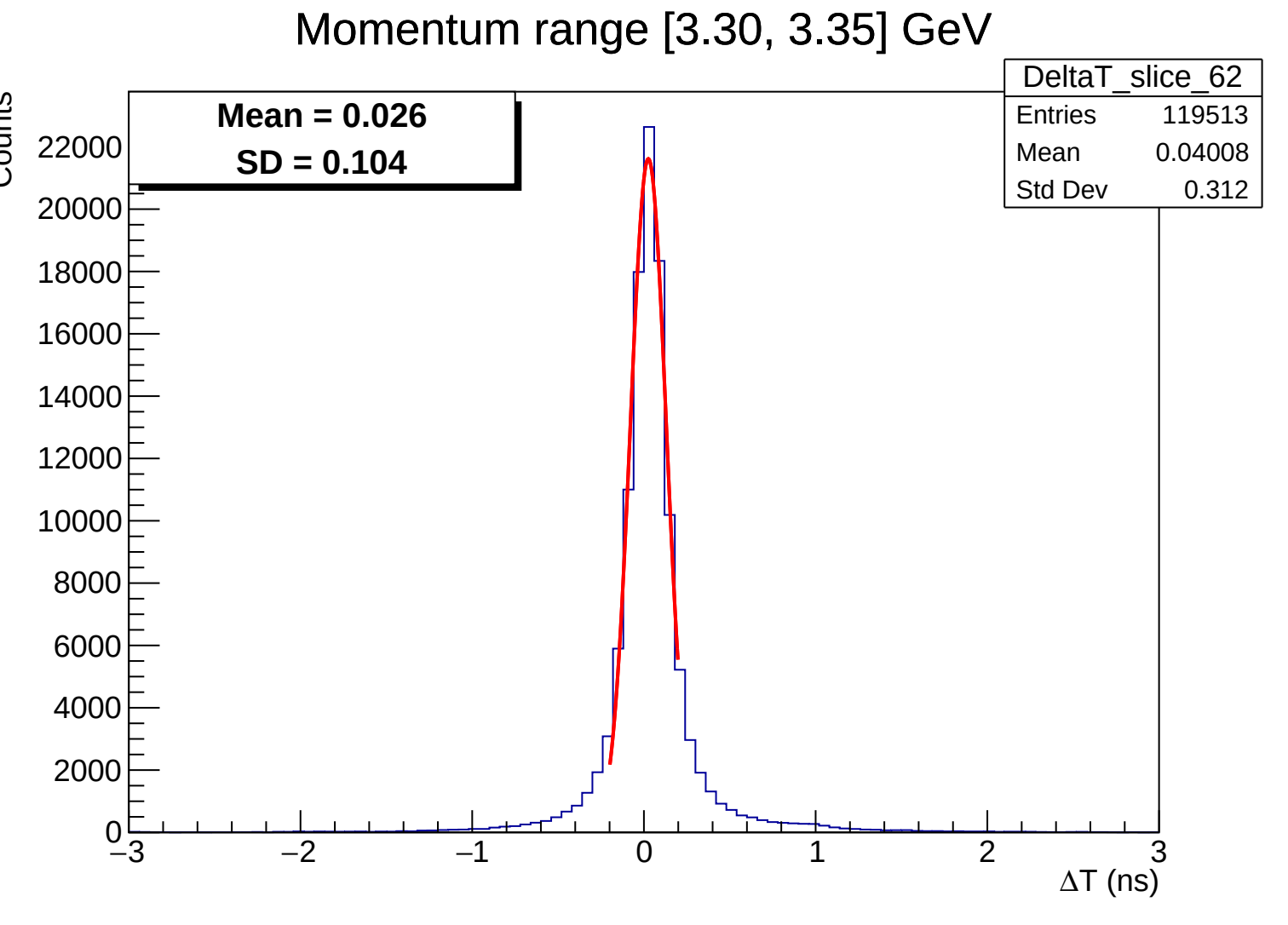

Momentum range [3.05, 3.10] GeV
Mean = 0.027
SD = 0.106
DeltaT_slice_57
Entries 156504
Mean 0.04266
Std Dev 0.3218
Counts
30000
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

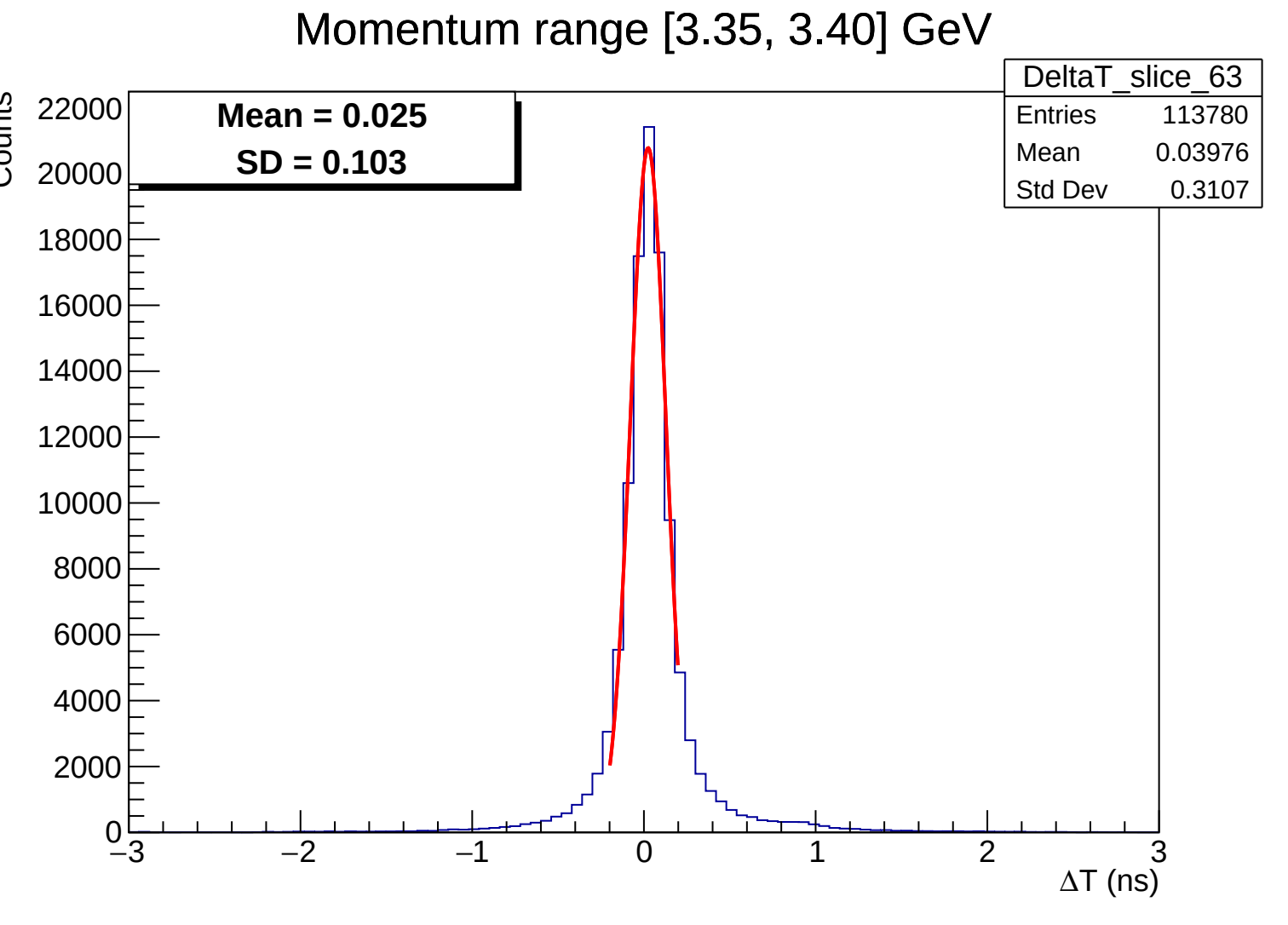

Momentum range [3.10, 3.15] GeV
Mean = 0.027
SD = 0.107
DeltaT_slice_58
Entries 147918
Mean 0.03979
Std Dev 0.3201
Counts
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

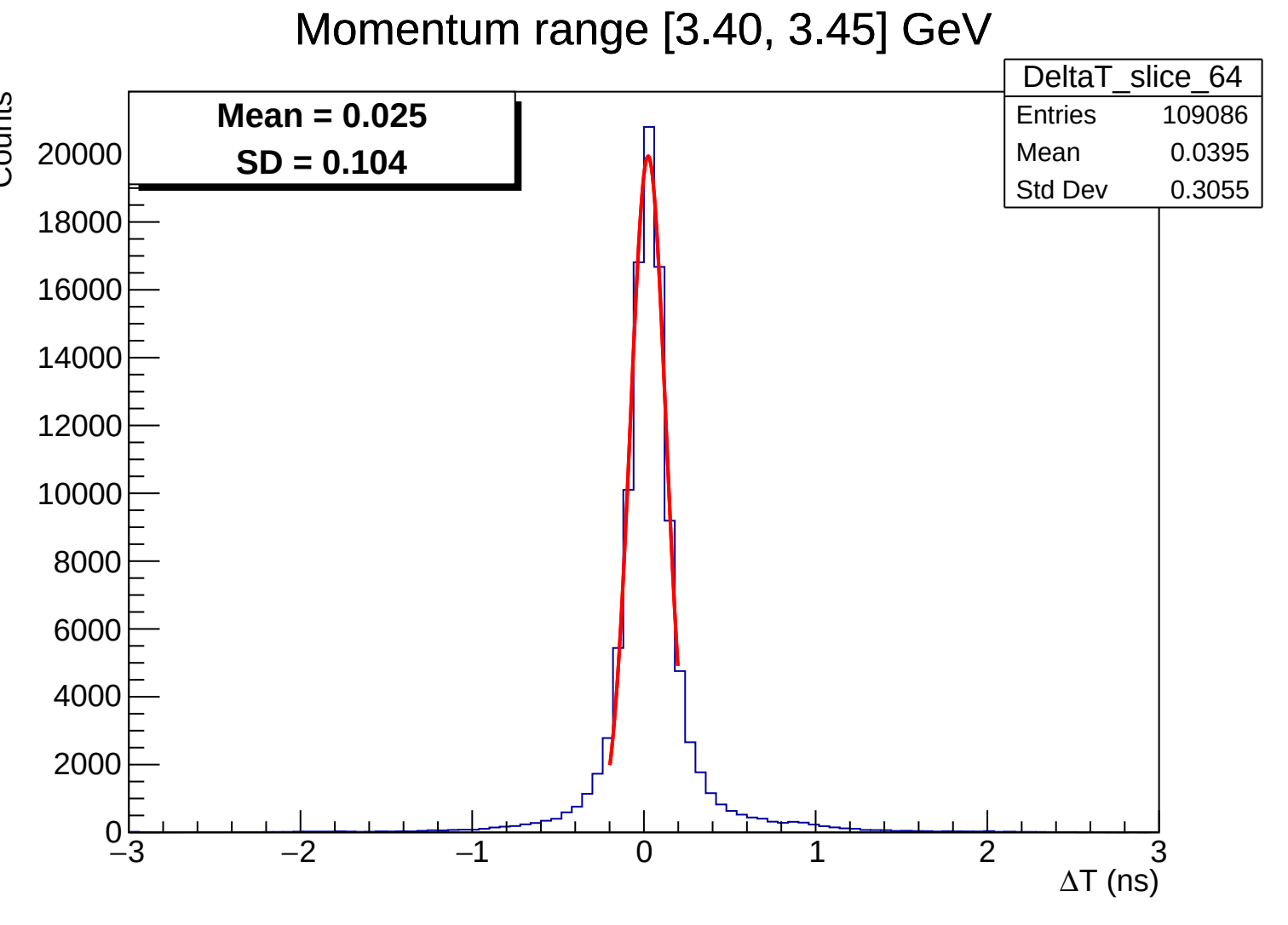

Momentum range [3.15, 3.20] GeV
Mean = 0.028
SD = 0.106
DeltaT_slice_59
Entries 140600
Mean 0.04219
Std Dev 0.3145
Counts
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

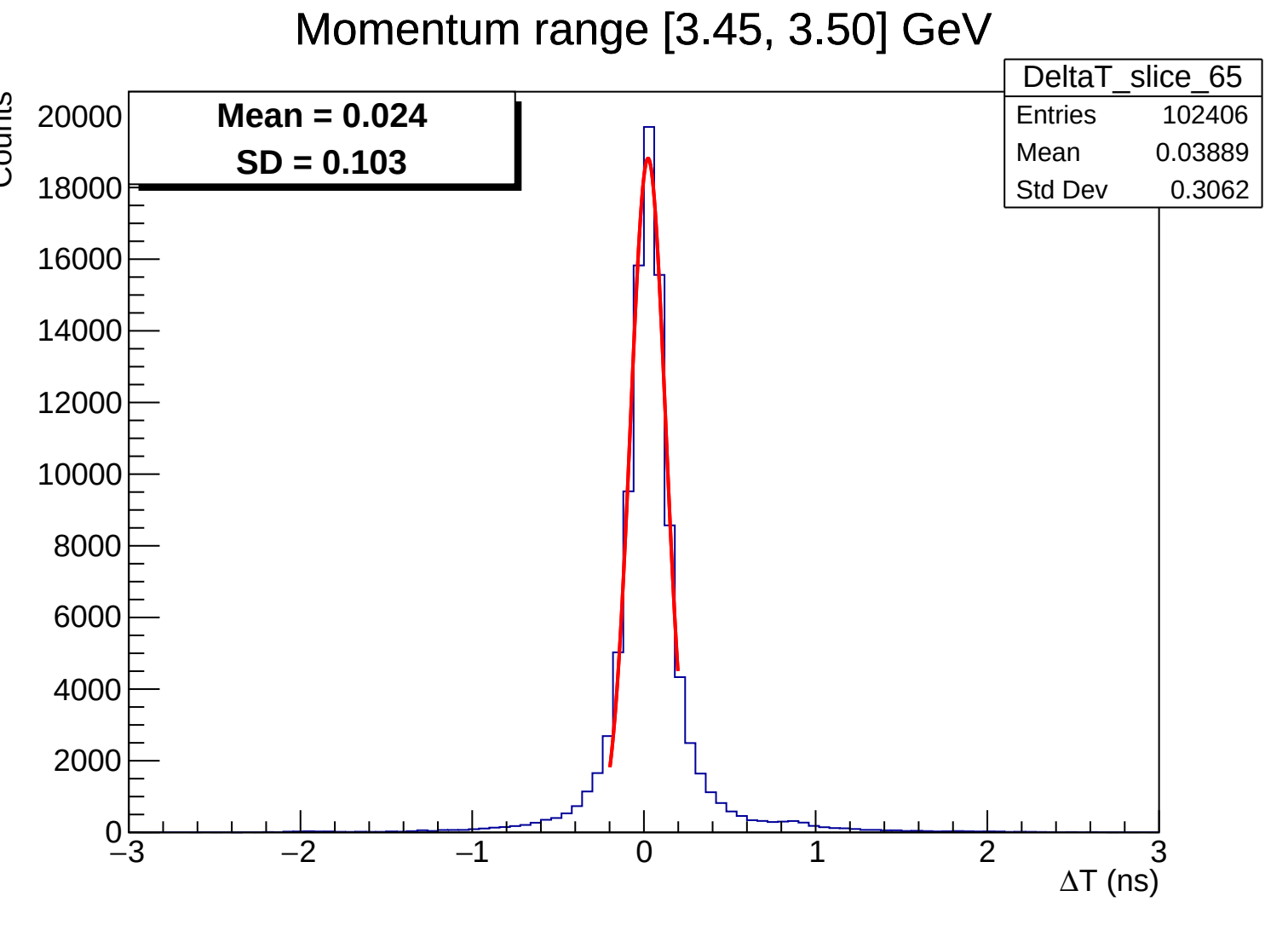

Momentum range [3.20, 3.25] GeV
Mean = 0.027
SD = 0.105
DeltaT_slice_60
Entries 133310
Mean 0.0402
Std Dev 0.3141
Counts
25000
20000
15000
10000
5000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

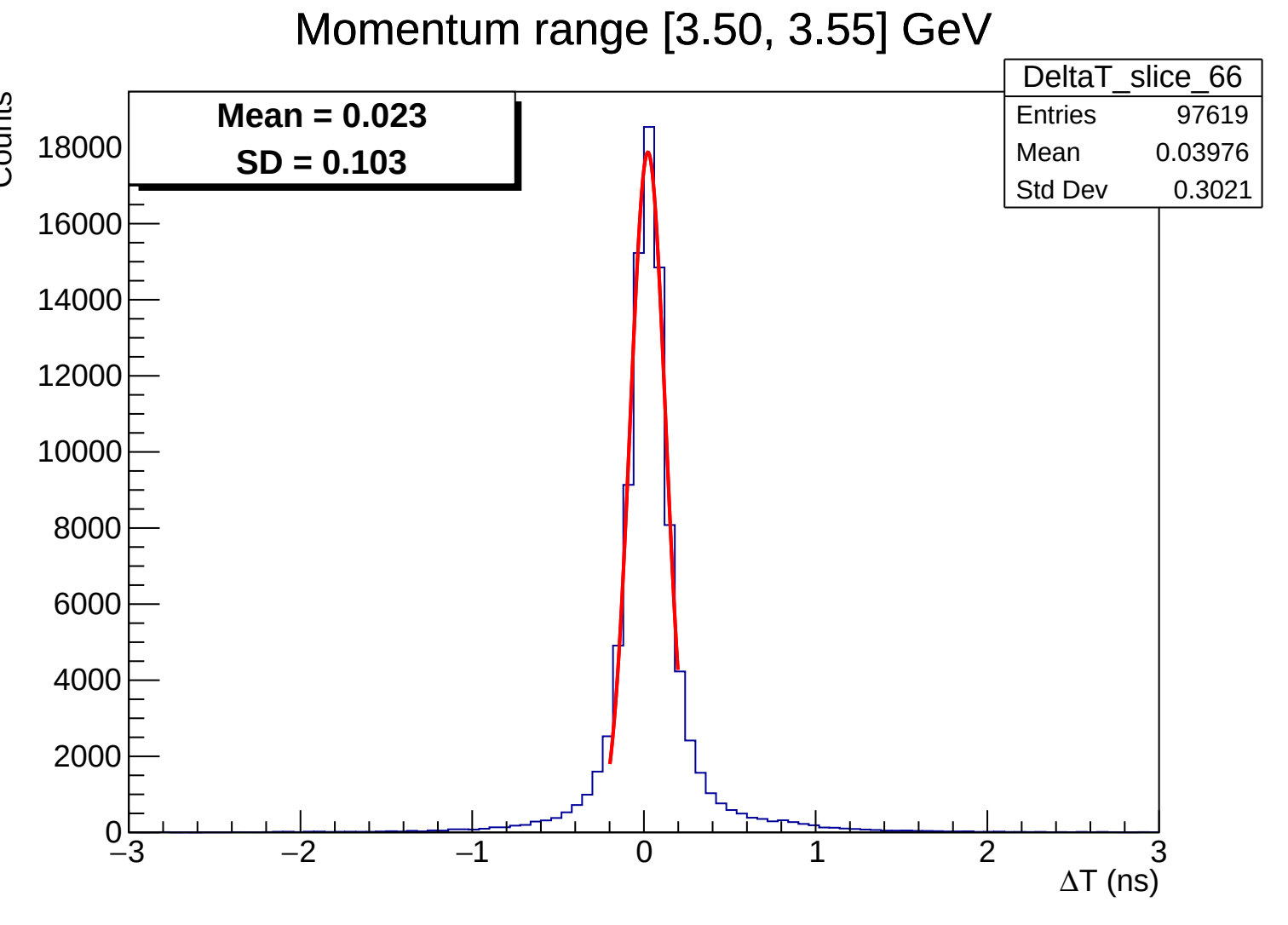

Momentum range [3.25, 3.30] GeV
Mean = 0.027
SD = 0.105
DeltaT_slice_61
Entries 126192
Mean 0.04197
Std Dev 0.3127
Counts
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

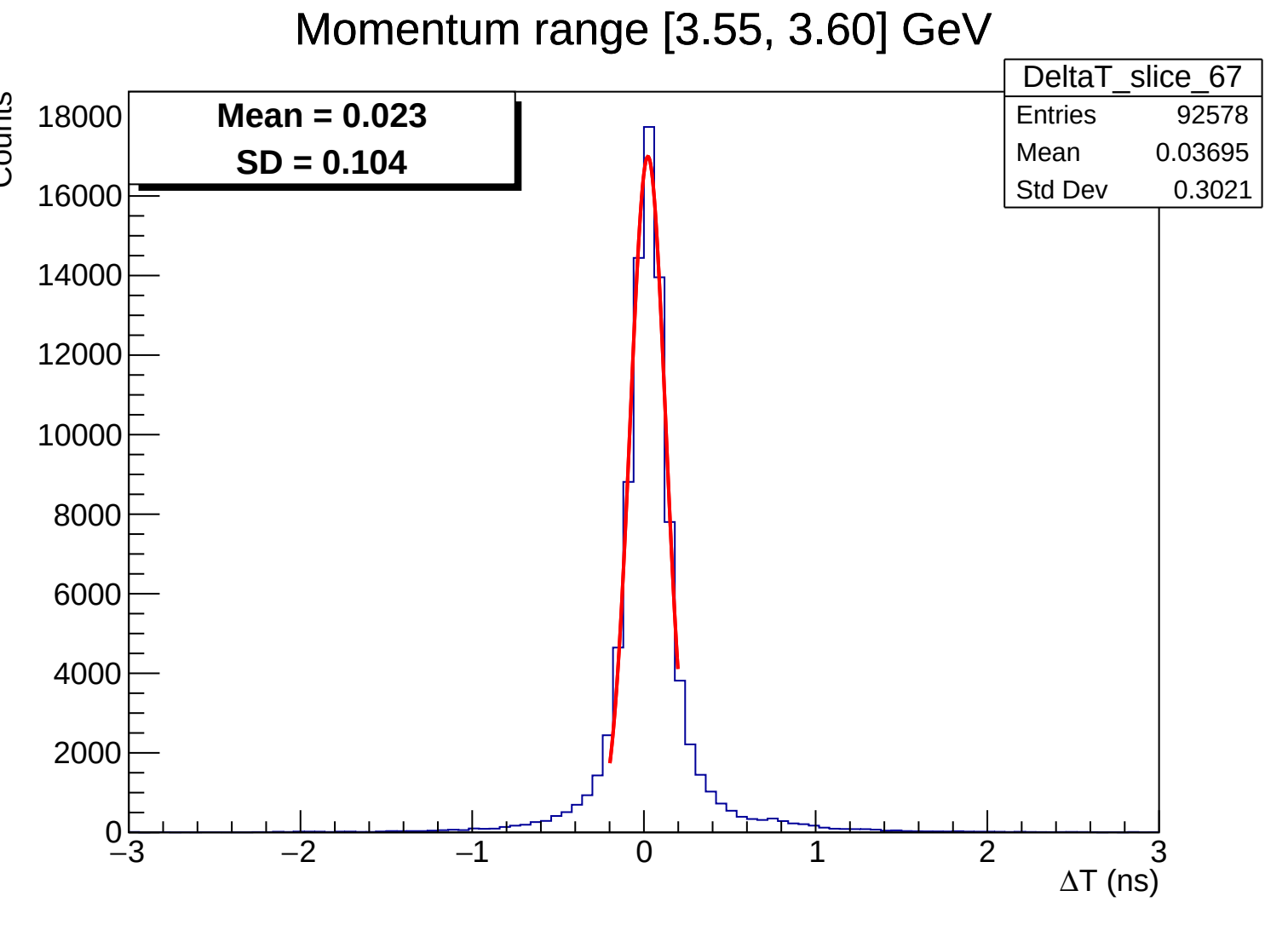

Momentum range [3.30, 3.35] GeV
Mean = 0.026
SD = 0.104
DeltaT_slice_62
Entries 119513
Mean 0.04008
Std Dev 0.312
Counts
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

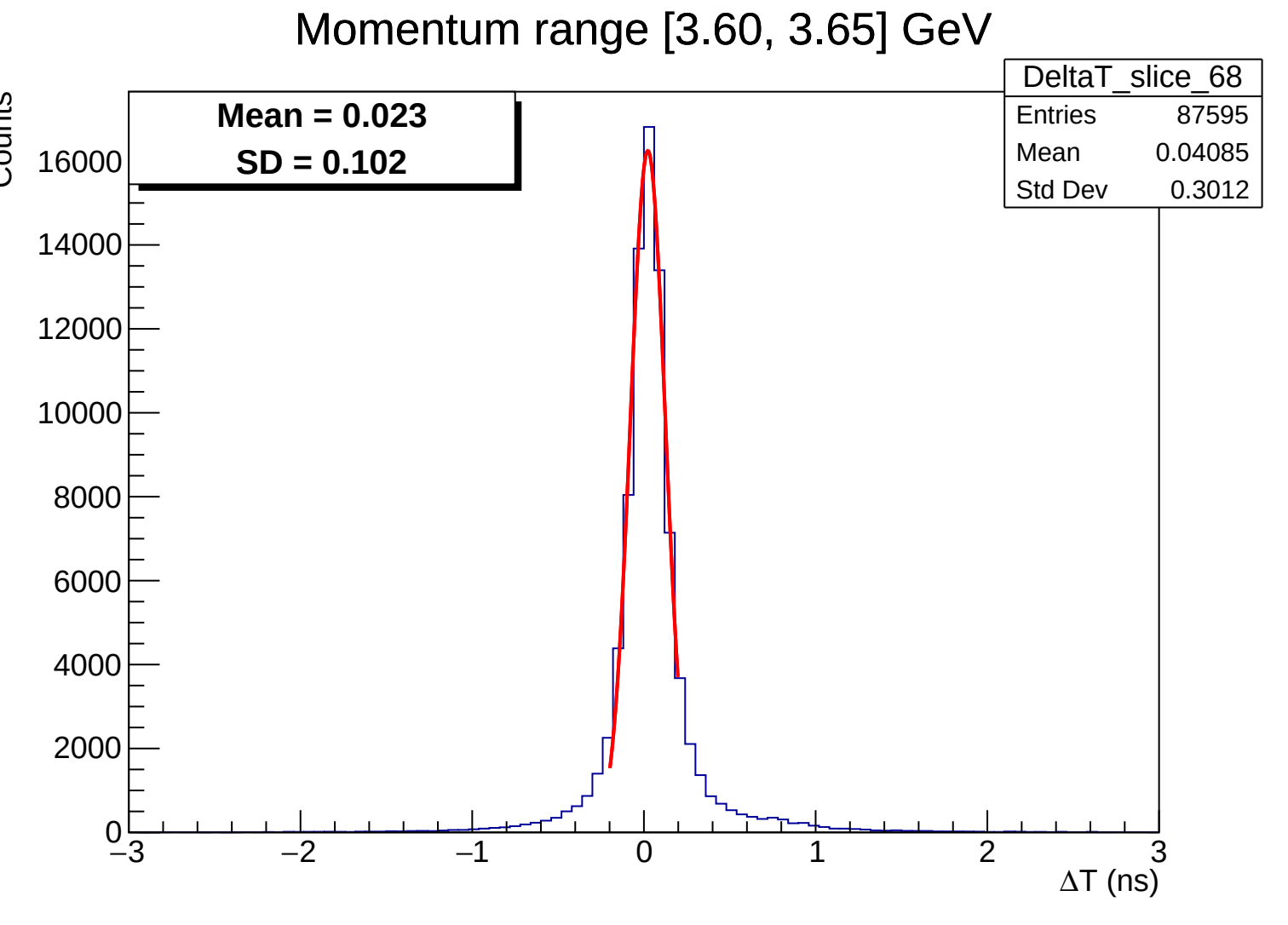

Momentum range [3.35, 3.40] GeV
Mean = 0.025
SD = 0.103
DeltaT_slice_63
Entries 113780
Mean 0.03976
Std Dev 0.3107
Counts
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

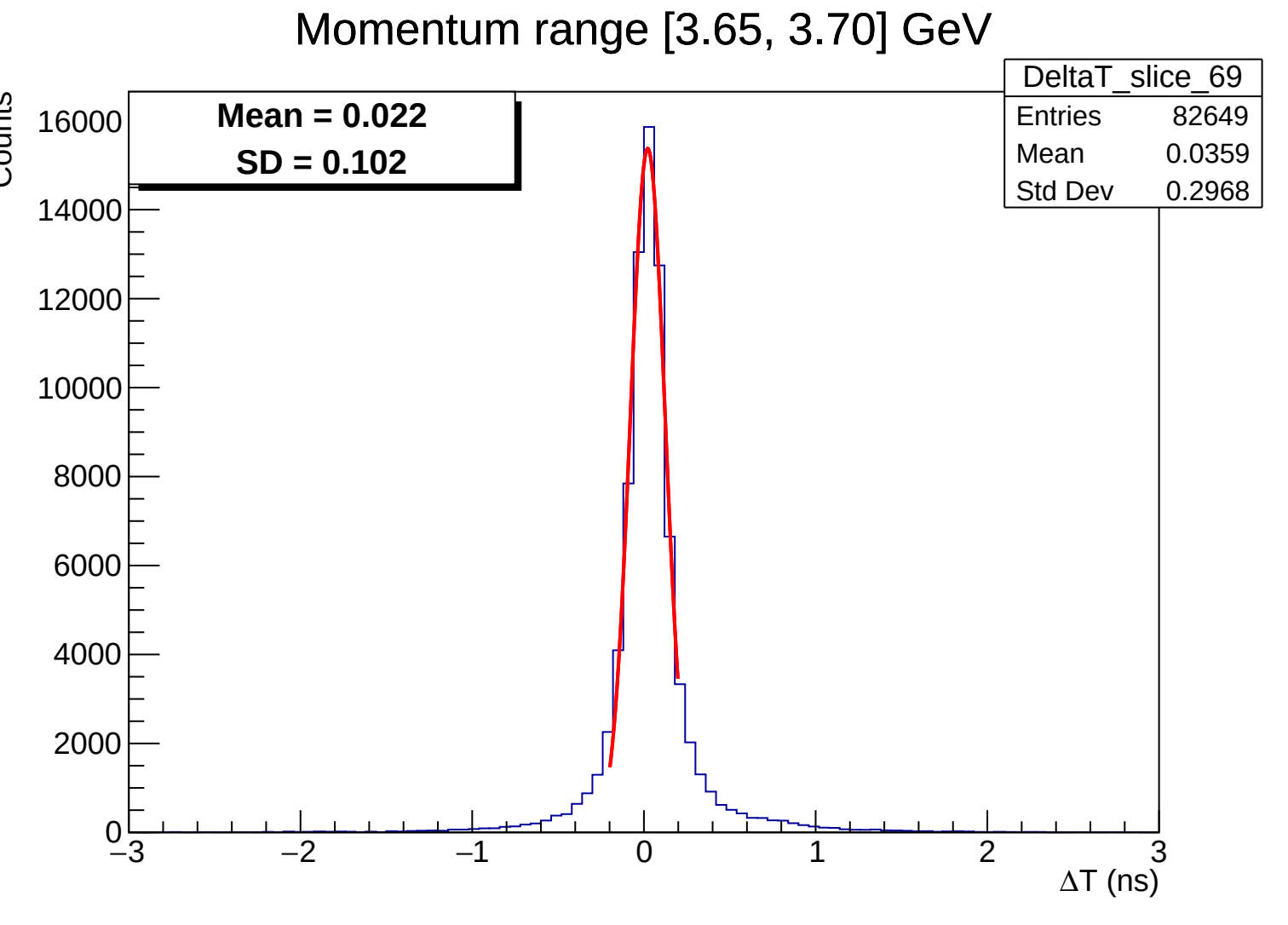

Momentum range [3.40, 3.45] GeV
Mean = 0.025
SD = 0.104
DeltaT_slice_64
Entries 109086
Mean 0.0395
Std Dev 0.3055
Counts
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

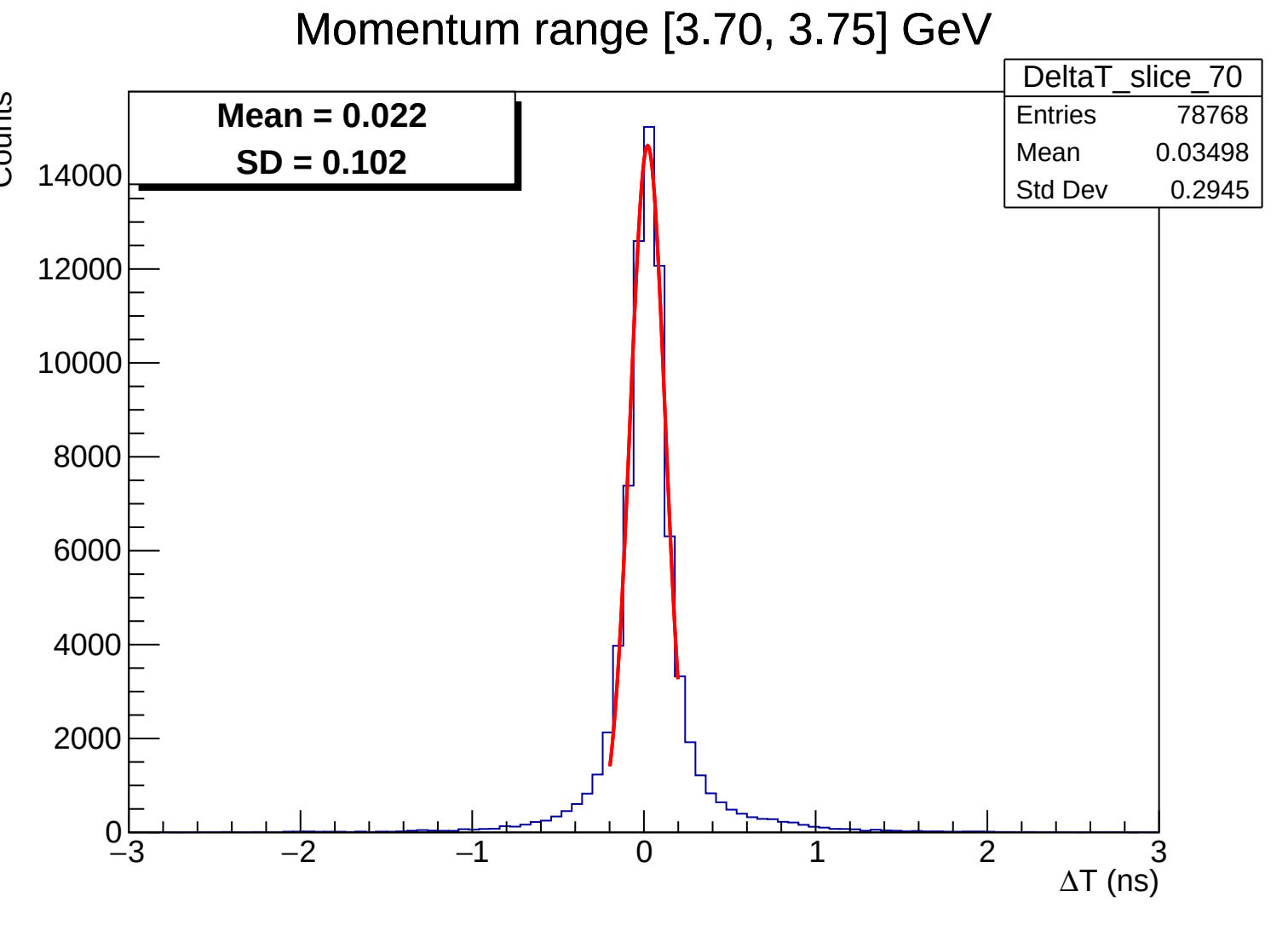

Momentum range [3.45, 3.50] GeV
Mean = 0.024
SD = 0.103
DeltaT_slice_65
Entries 102406
Mean 0.03889
Std Dev 0.3062
Counts
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

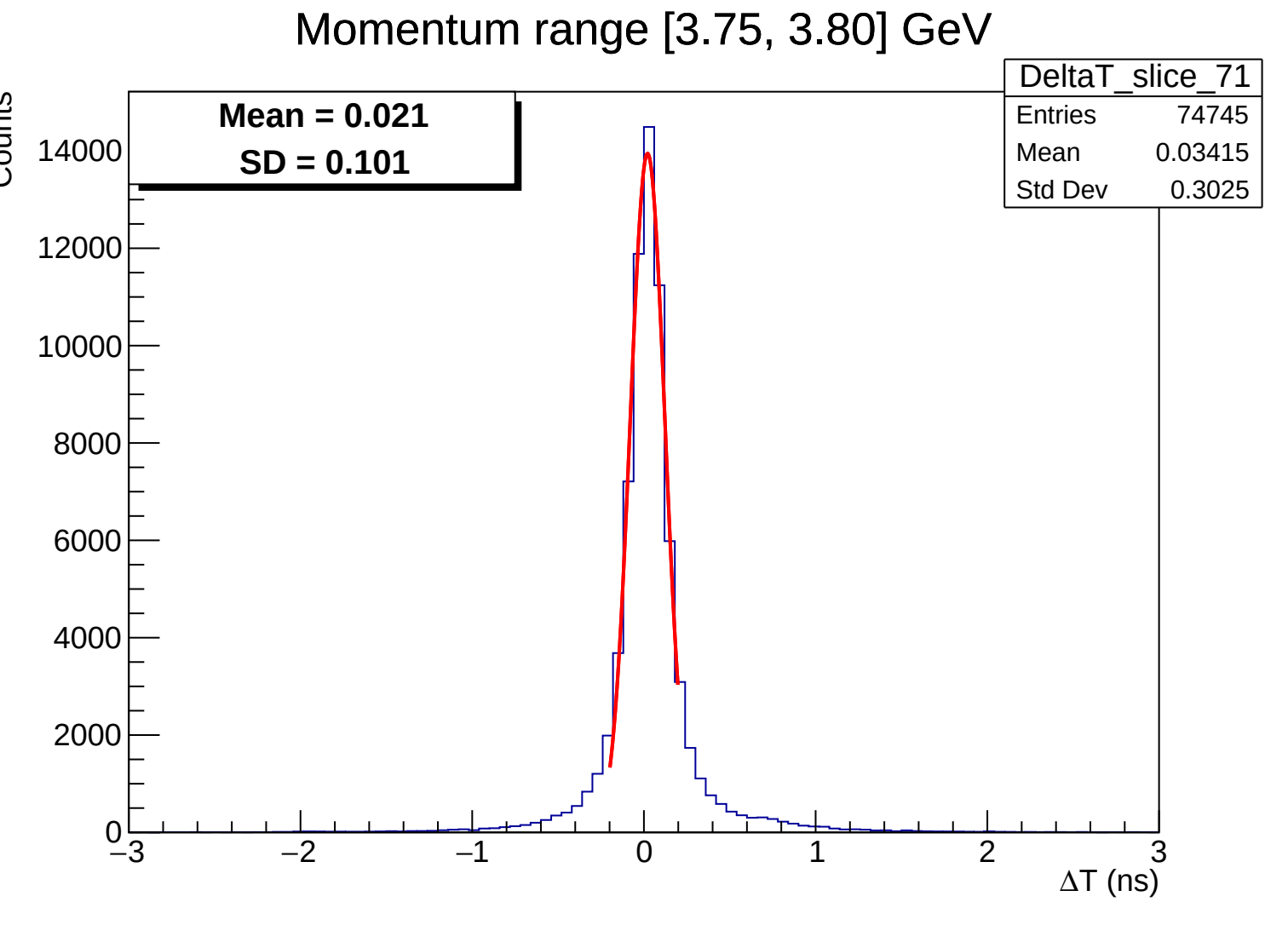

Momentum range [3.50, 3.55] GeV
Mean = 0.023
SD = 0.103
DeltaT_slice_66
Entries 97619
Mean 0.03976
Std Dev 0.3021
Counts
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

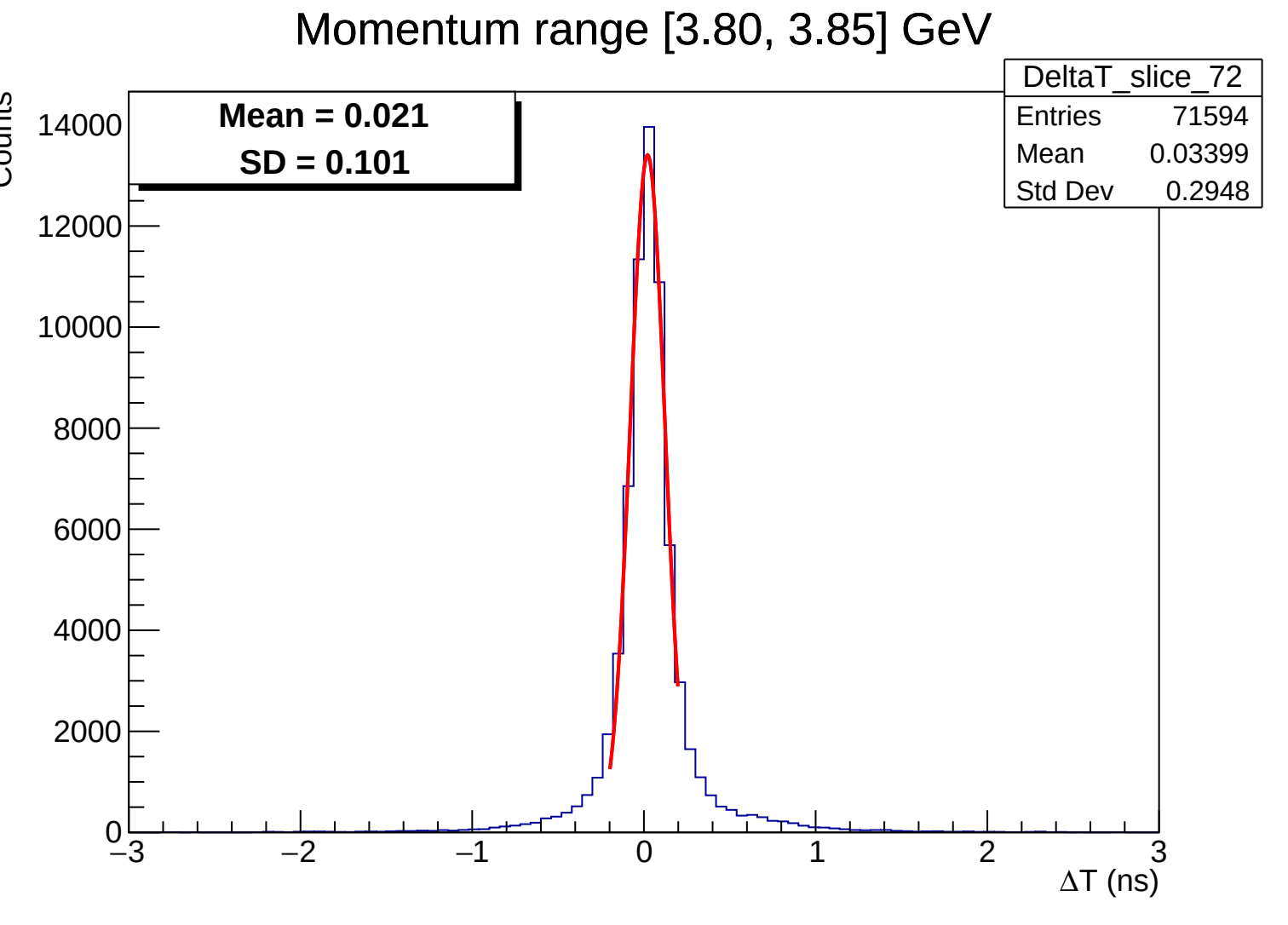

Momentum range [3.55, 3.60] GeV
Mean = 0.023
SD = 0.104
DeltaT_slice_67
Entries 92578
Mean 0.03695
Std Dev 0.3021
Counts
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

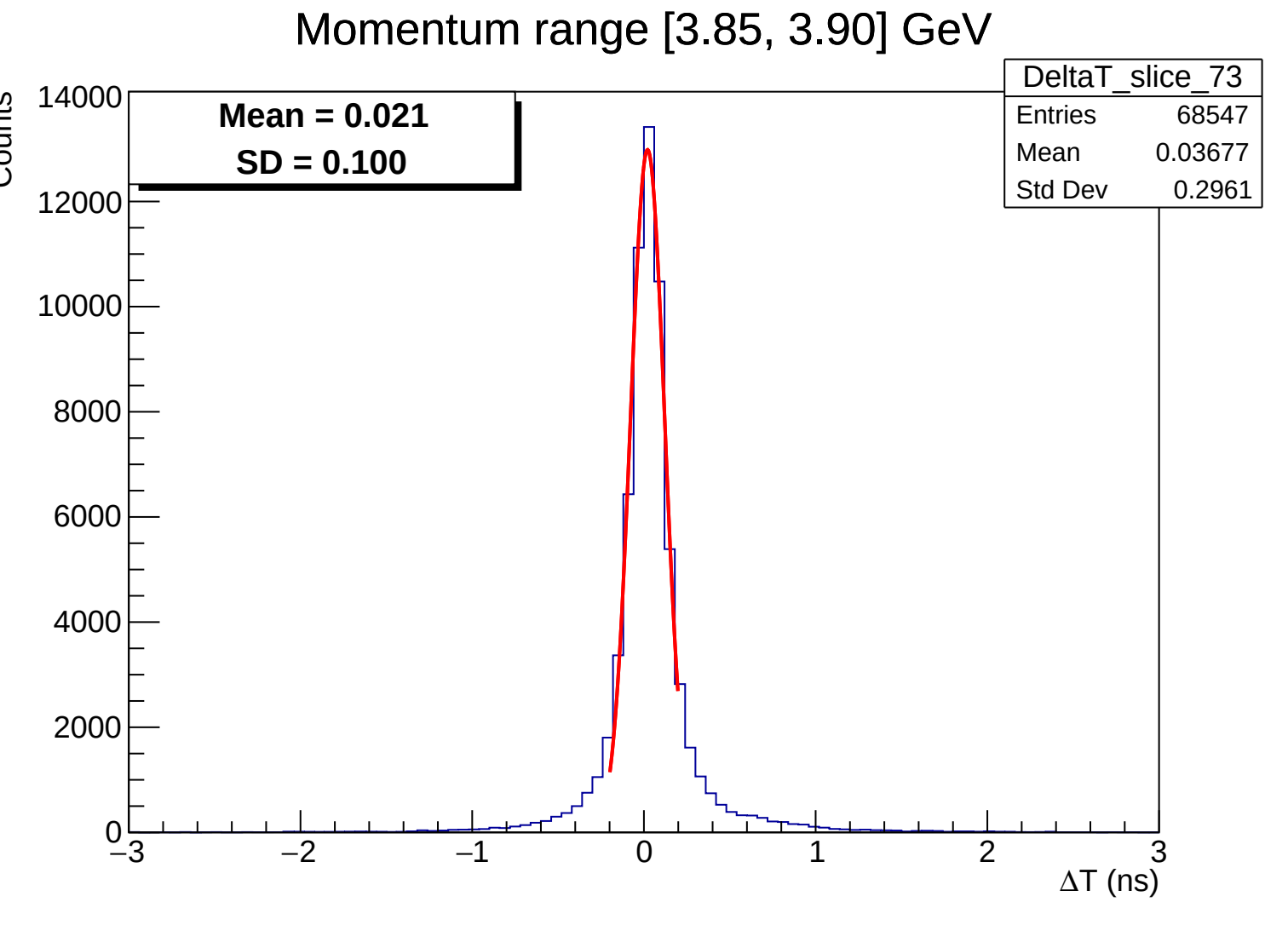

Momentum range [3.60, 3.65] GeV
Mean = 0.023
SD = 0.102
DeltaT_slice_68
Entries 87595
Mean 0.04085
Std Dev 0.3012
Counts
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [3.65, 3.70] GeV
Mean = 0.022
SD = 0.102
DeltaT_slice_69
Entries 82649
Mean 0.0359
Std Dev 0.2968
Counts
16000
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [3.70, 3.75] GeV
Mean = 0.022
SD = 0.102
DeltaT_slice_70
Entries 78768
Mean 0.03498
Std Dev 0.2945
Counts
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [3.75, 3.80] GeV
Mean = 0.021
SD = 0.101
DeltaT_slice_71
Entries 74745
Mean 0.03415
Std Dev 0.3025
Counts
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [3.80, 3.85] GeV
Mean = 0.021
SD = 0.101
DeltaT_slice_72
Entries 71594
Mean 0.03399
Std Dev 0.2948
Counts
14000
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [3.85, 3.90] GeV
Mean = 0.021
SD = 0.100
DeltaT_slice_73
Entries 68547
Mean 0.03677
Std Dev 0.2961
Counts
14000
12000
10000
8000
6000
4000
2000
0
−3
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−1
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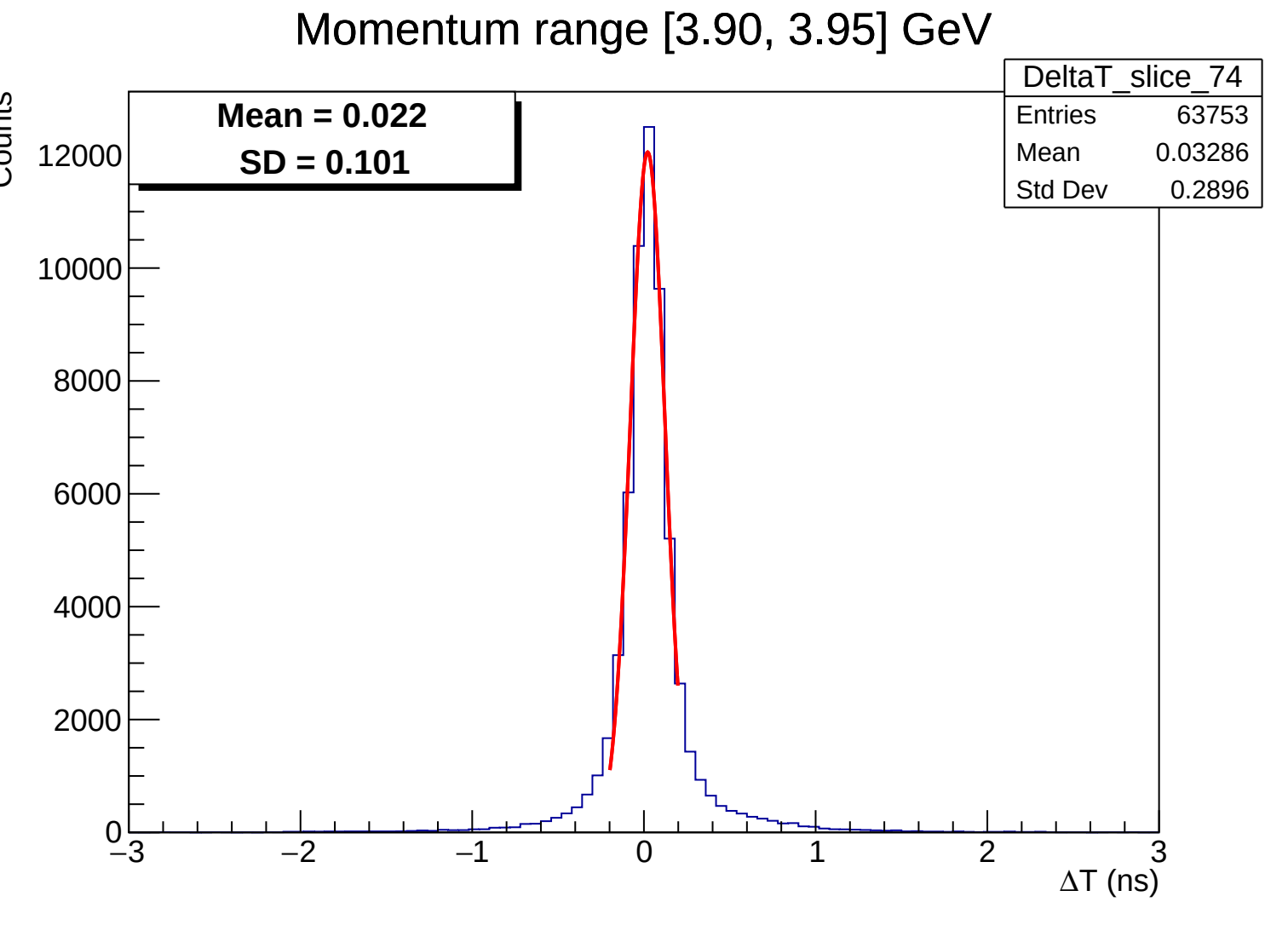
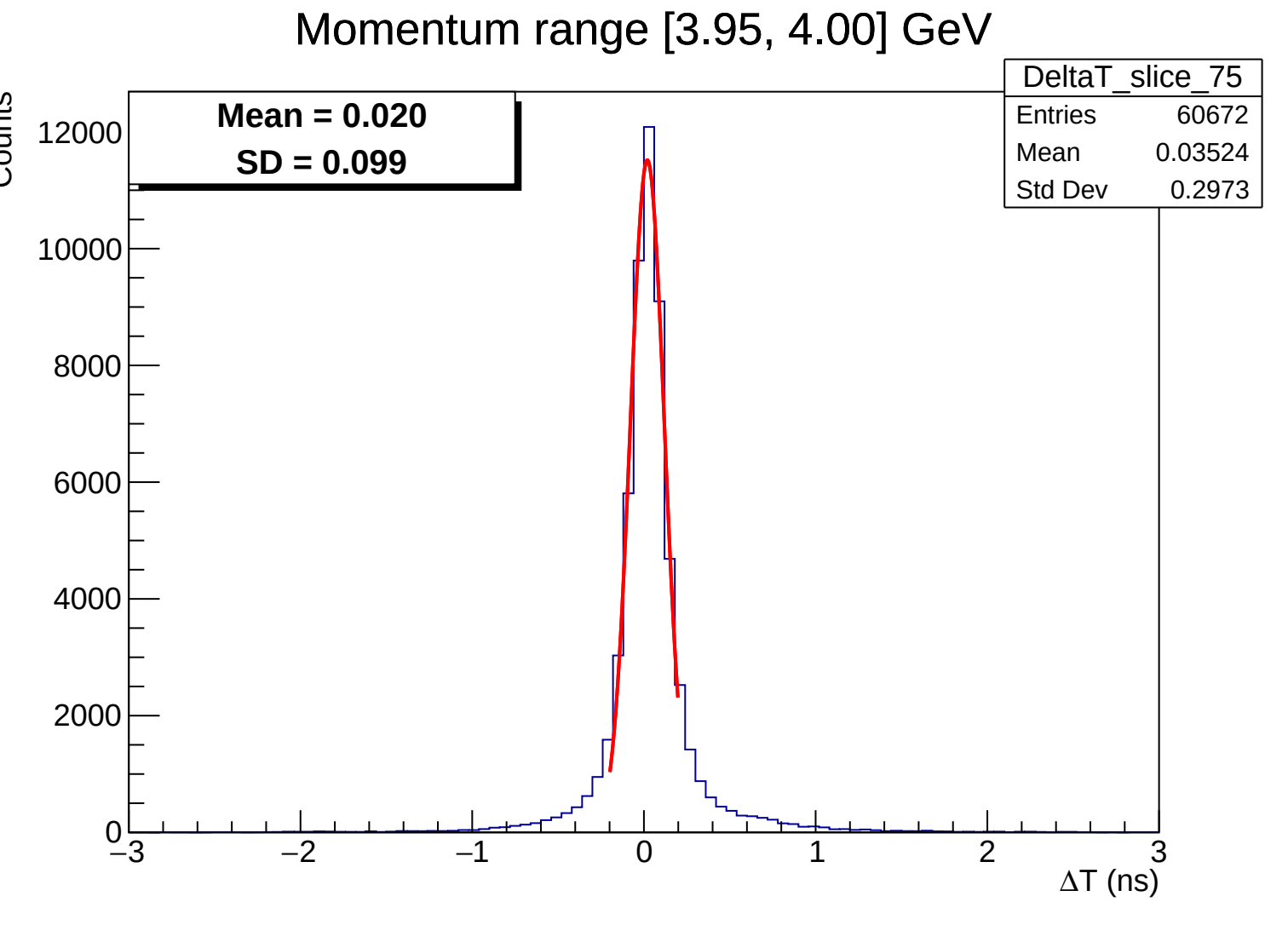
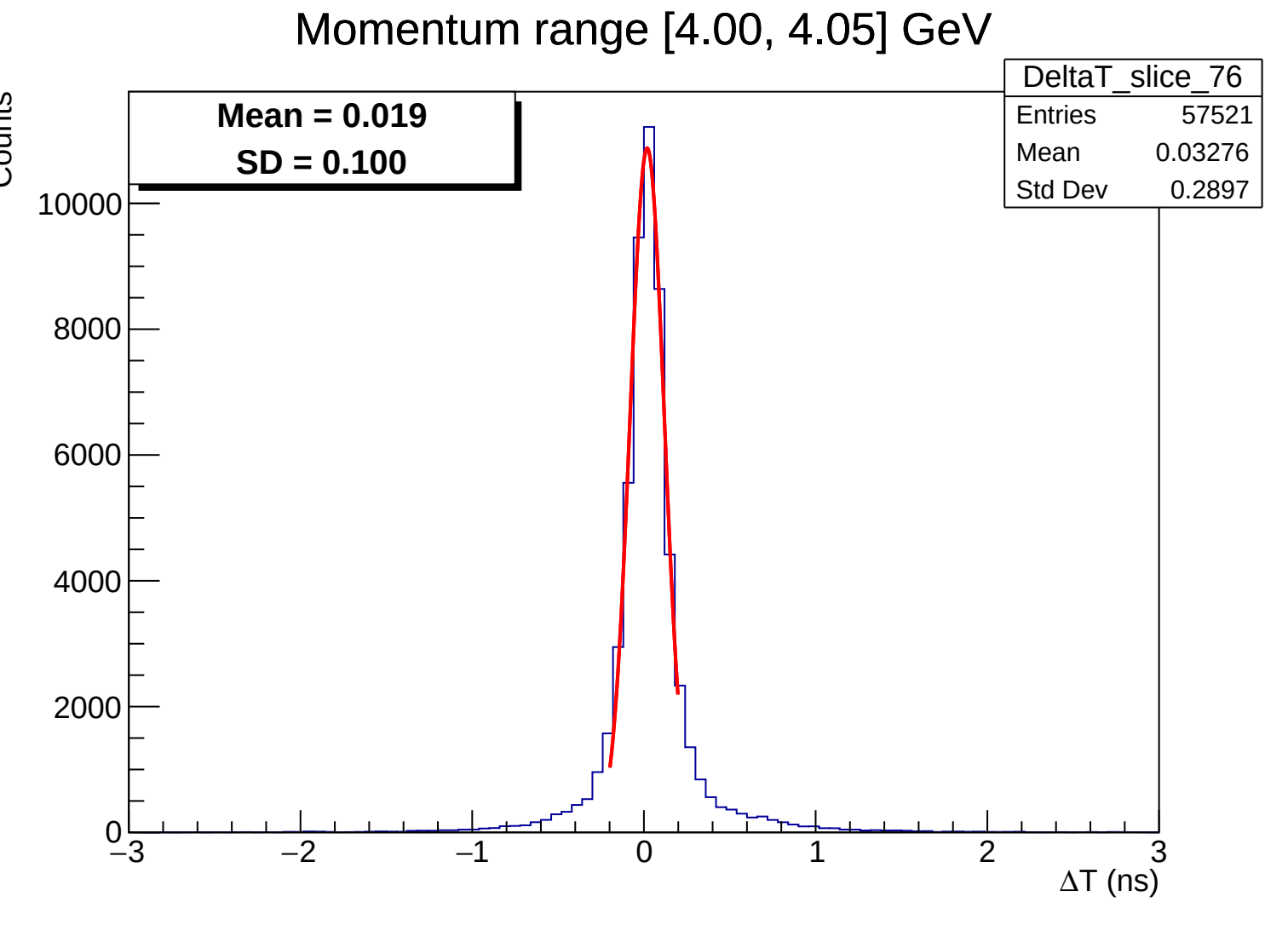
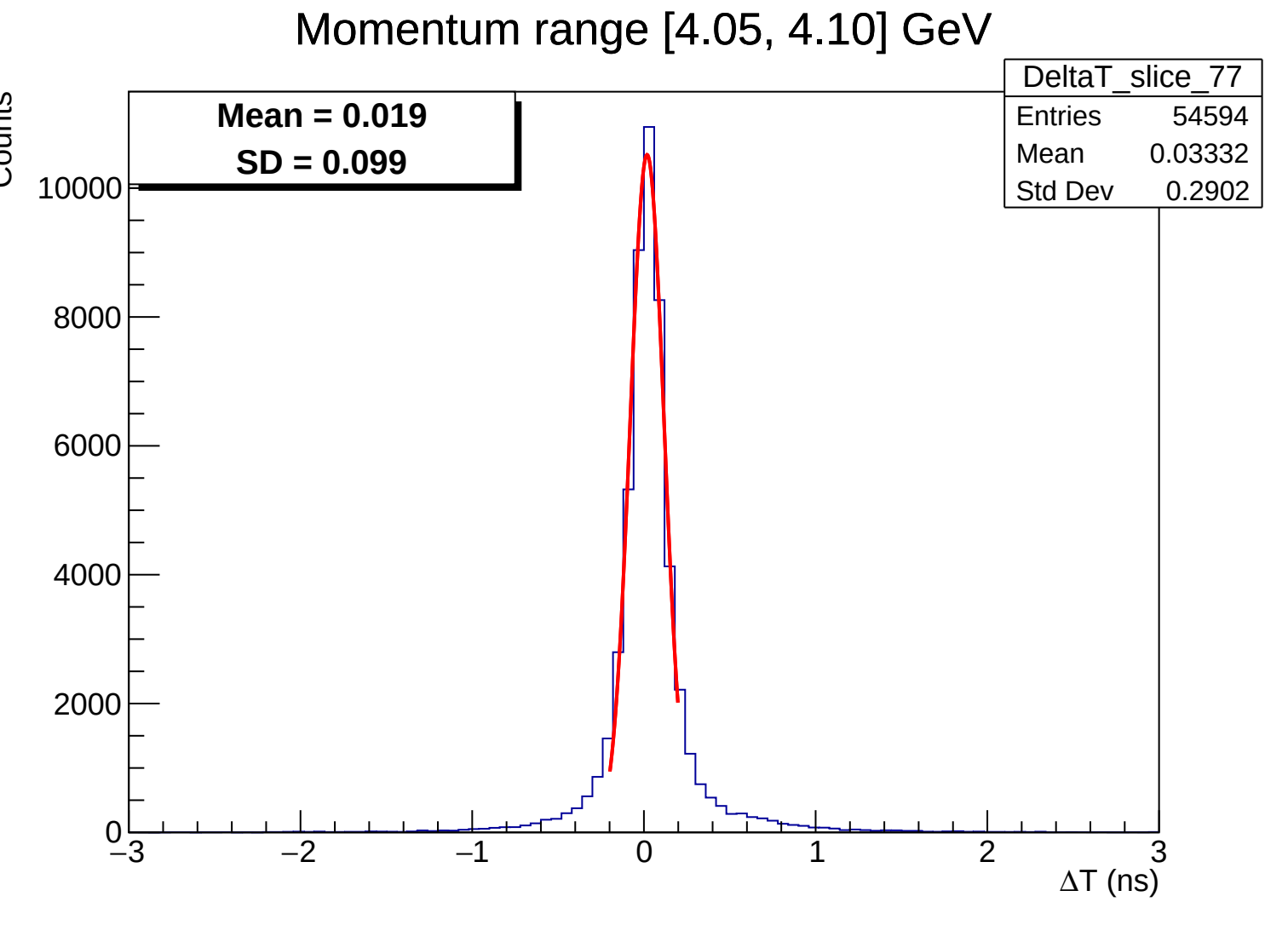
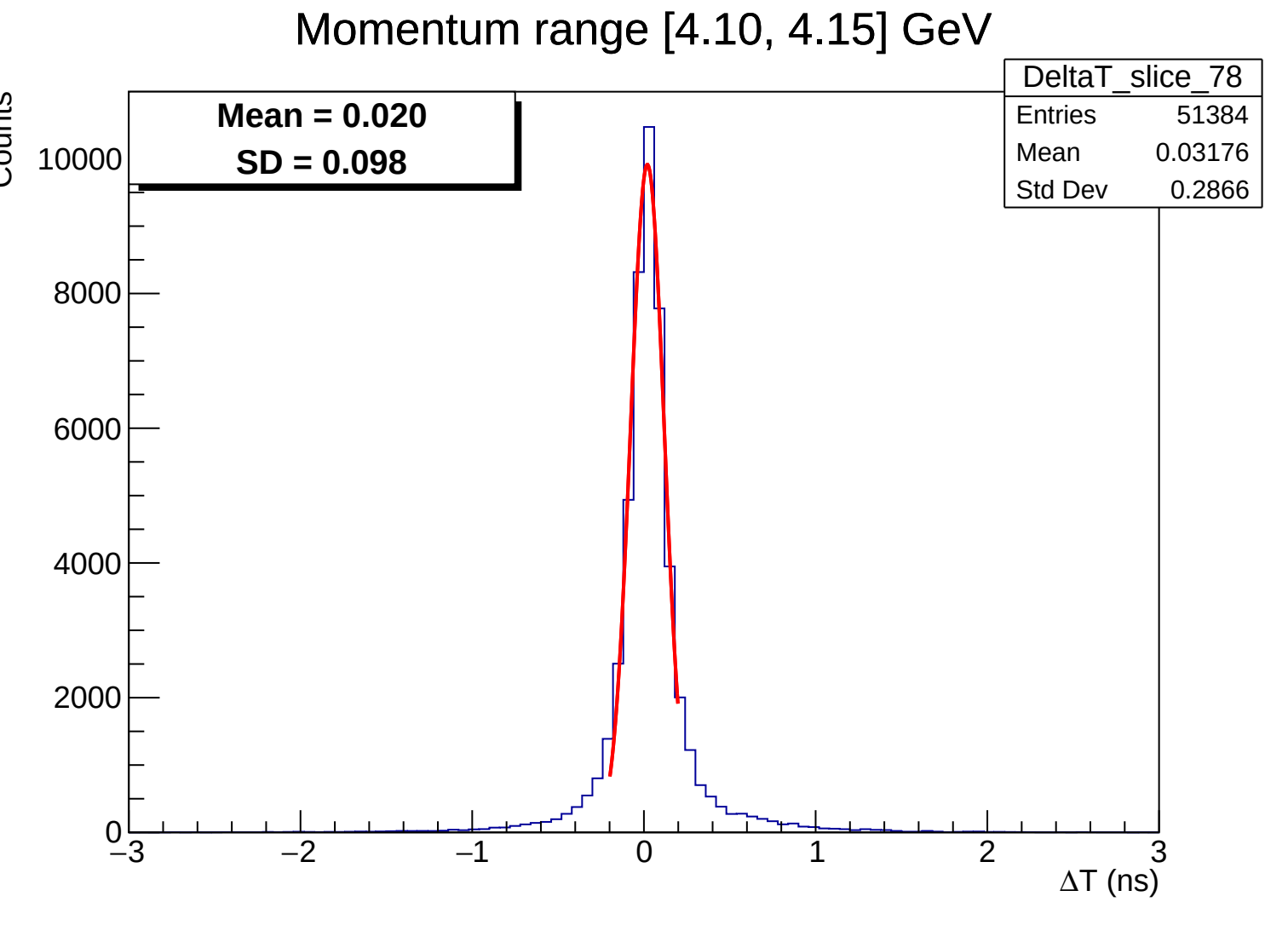
1
2
3
ΔT (ns)

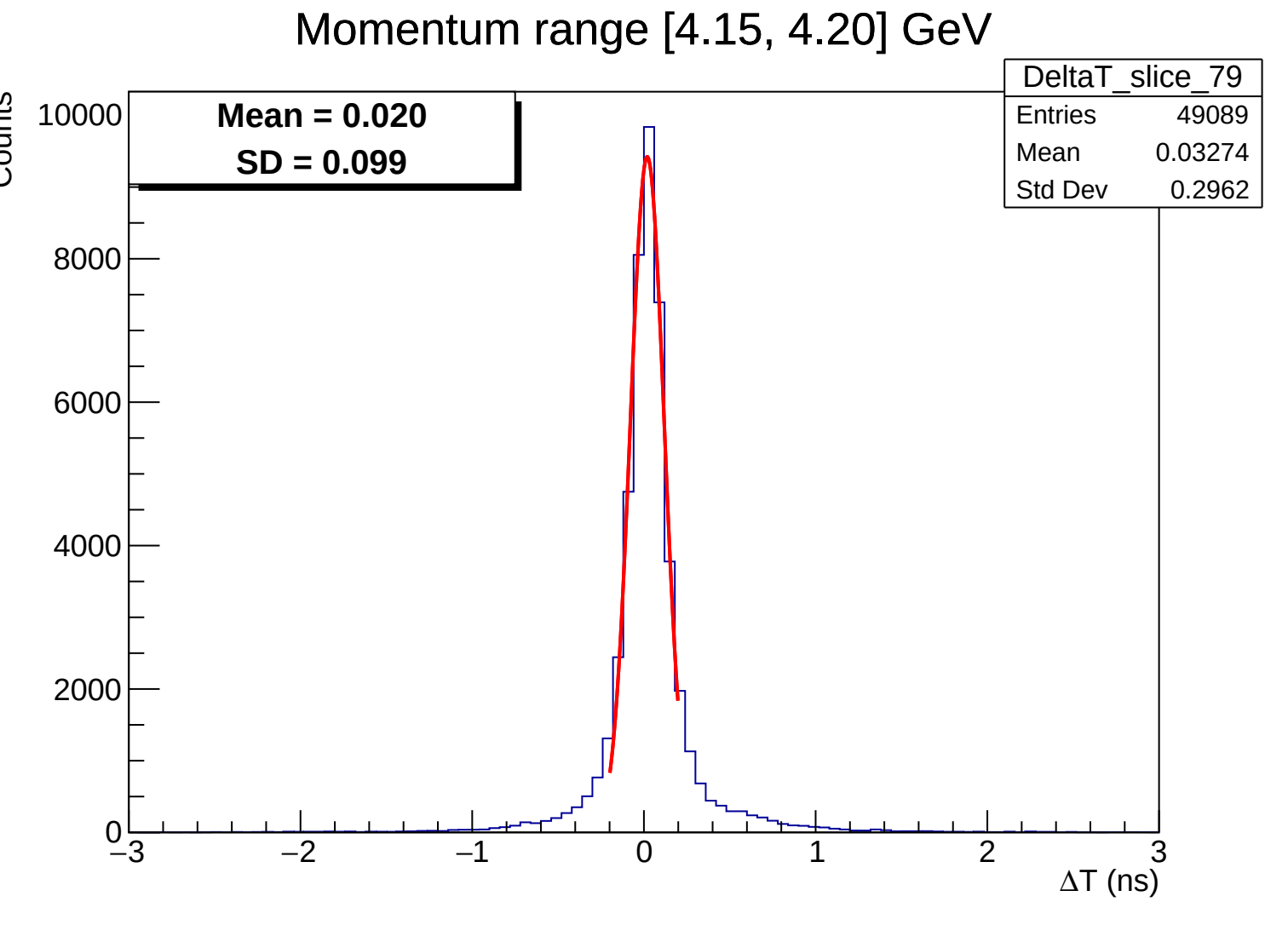

Momentum range [3.90, 3.95] GeV
Mean = 0.022
SD = 0.101
DeltaT_slice_74
Entries 63753
Mean 0.03286
Std Dev 0.2896
Counts
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

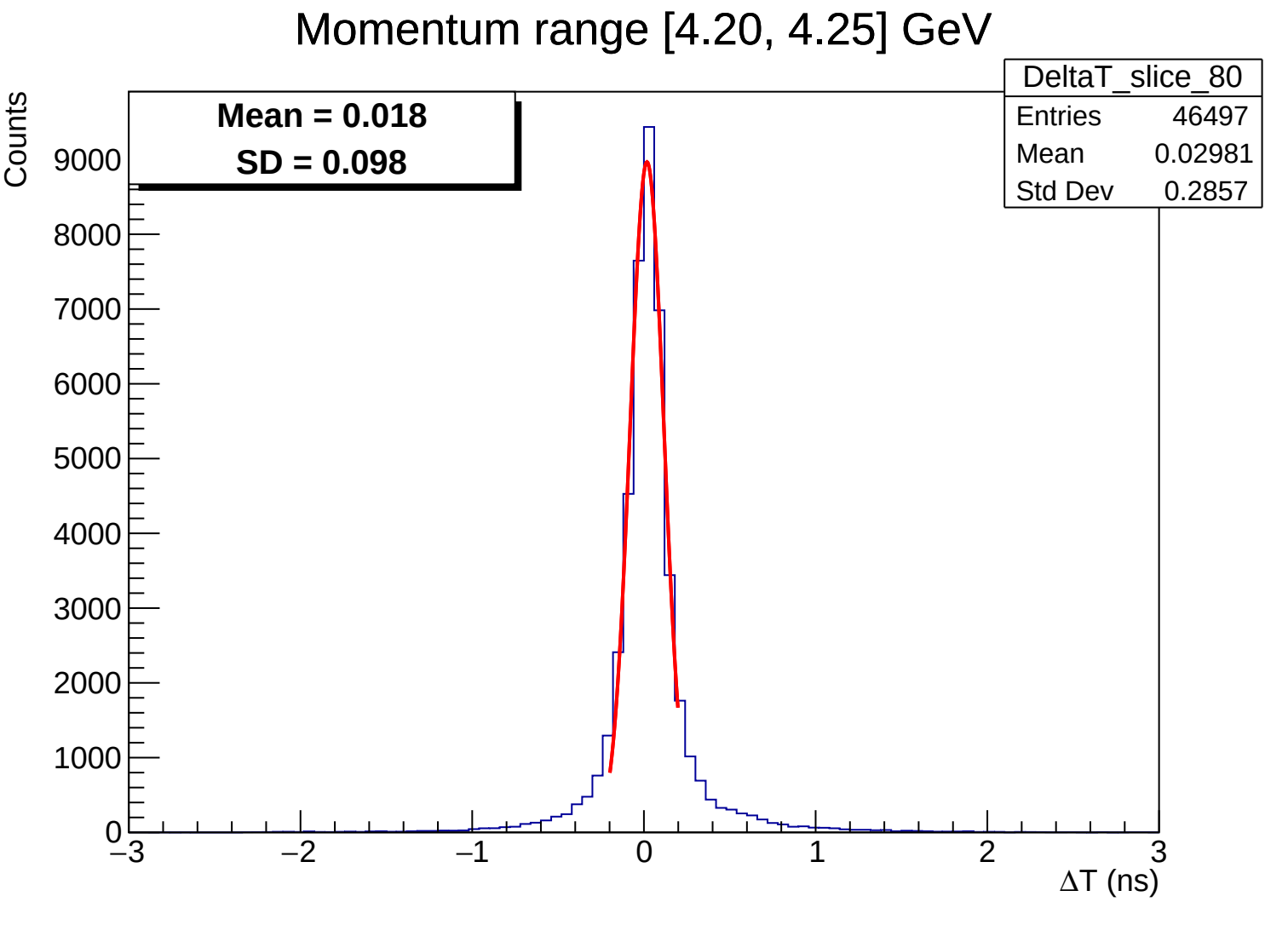

Momentum range [3.95, 4.00] GeV
Mean = 0.020
SD = 0.099
DeltaT_slice_75
Entries 60672
Mean 0.03524
Std Dev 0.2973
Counts
12000
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

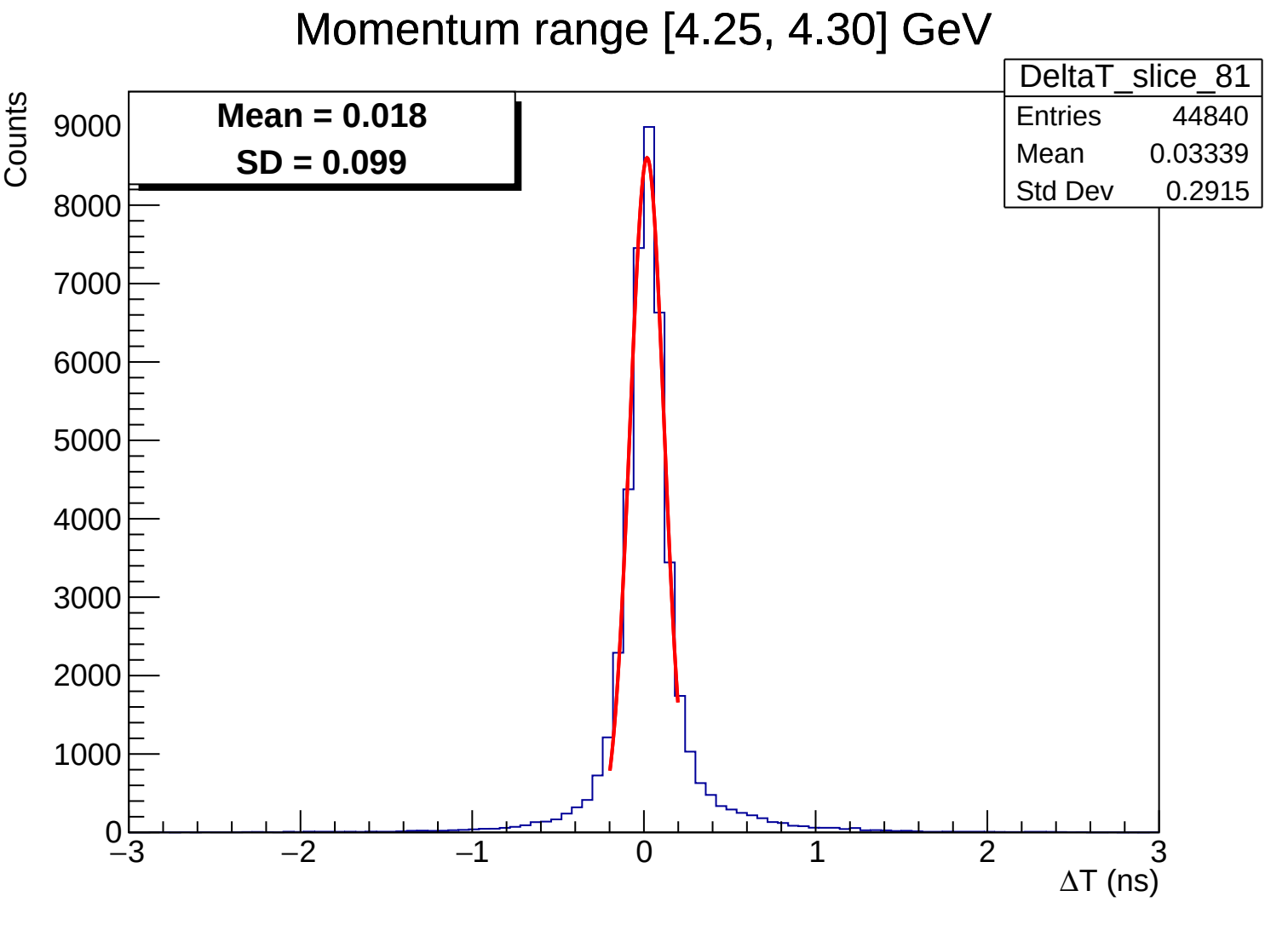

Momentum range [4.00, 4.05] GeV
Mean = 0.019
SD = 0.100
DeltaT_slice_76
Entries 57521
Mean 0.03276
Std Dev 0.2897
Counts
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.05, 4.10] GeV
Mean = 0.019
SD = 0.099
DeltaT_slice_77
Entries 54594
Mean 0.03332
Std Dev 0.2902
Counts
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.10, 4.15] GeV
Mean = 0.020
SD = 0.098
DeltaT_slice_78
Entries 51384
Mean 0.03176
Std Dev 0.2866
Counts
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.15, 4.20] GeV
Mean = 0.020
SD = 0.099
DeltaT_slice_79
Entries 49089
Mean 0.03274
Std Dev 0.2962
Counts
10000
8000
6000
4000
2000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.20, 4.25] GeV
Mean = 0.018
SD = 0.098
DeltaT_slice_80
Entries 46497
Mean 0.02981
Std Dev 0.2857
Counts
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.25, 4.30] GeV
Mean = 0.018
SD = 0.099
DeltaT_slice_81
Entries 44840
Mean 0.03339
Std Dev 0.2915
Counts
9000
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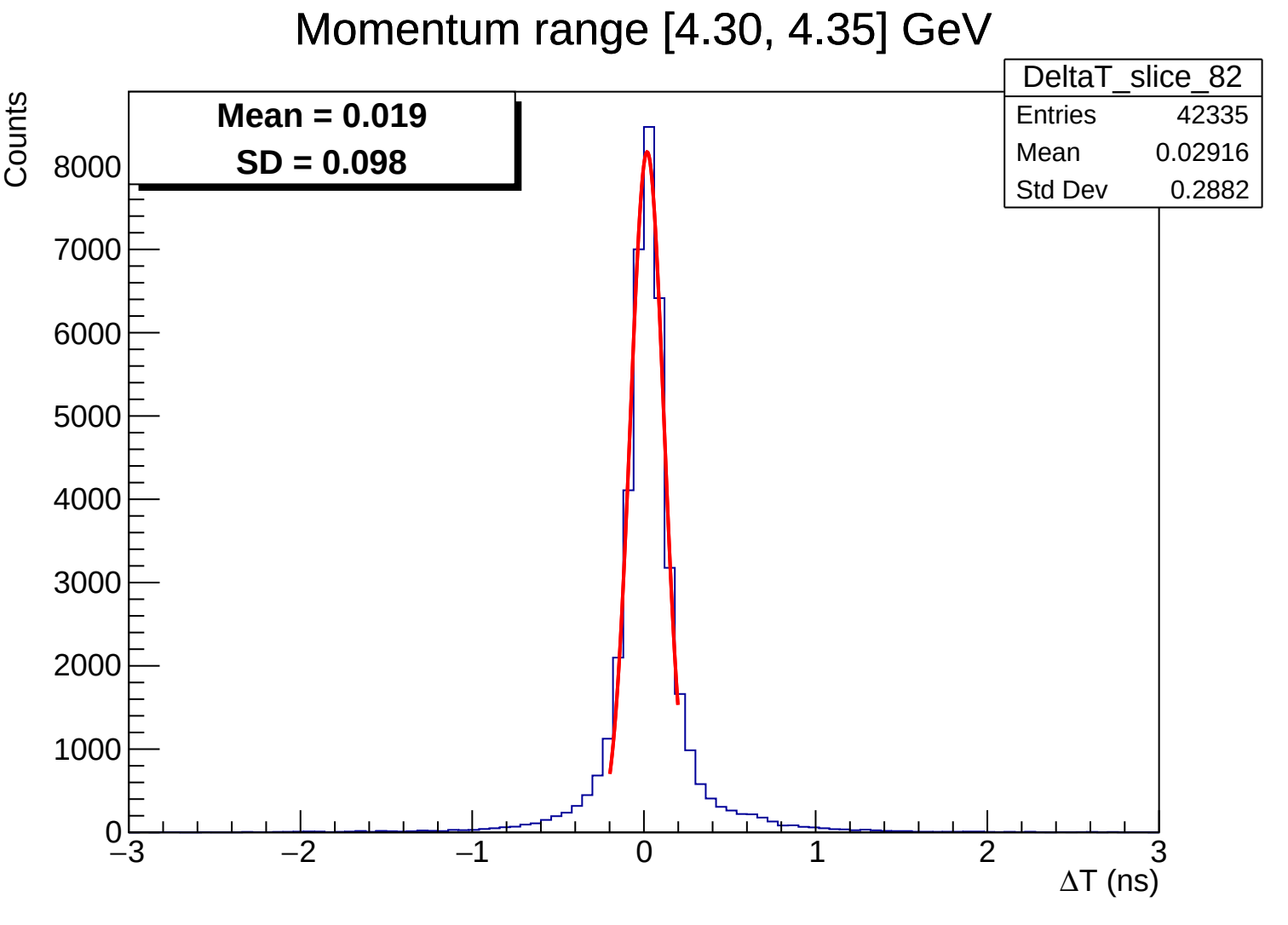
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.30, 4.35] GeV
Mean = 0.019
SD = 0.098
DeltaT_slice_82
Entries 42335
Mean 0.02916
Std Dev 0.2882
Counts
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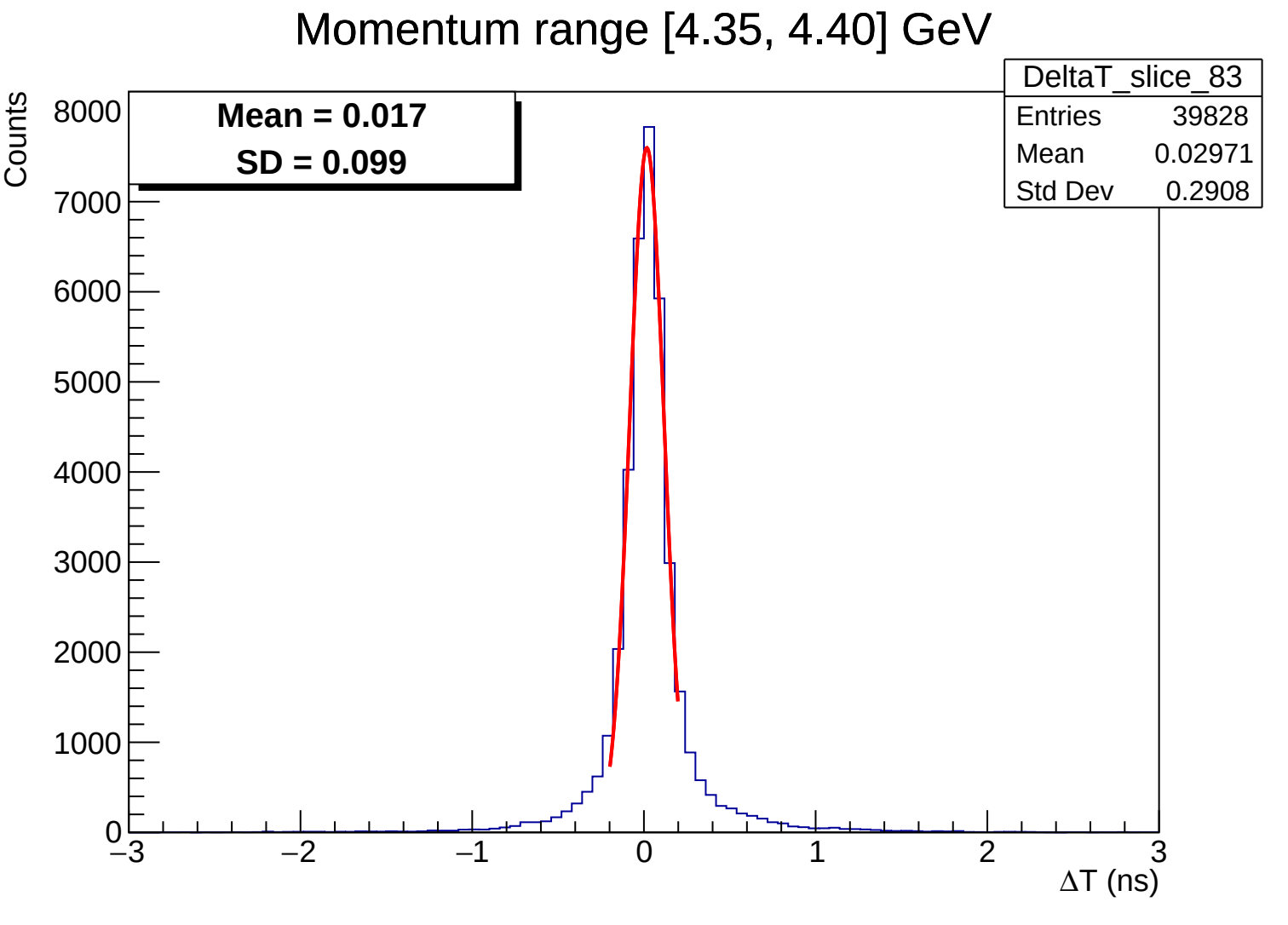
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.35, 4.40] GeV
Mean = 0.017
SD = 0.099
DeltaT_slice_83
Entries 39828
Mean 0.02971
Std Dev 0.2908
Counts
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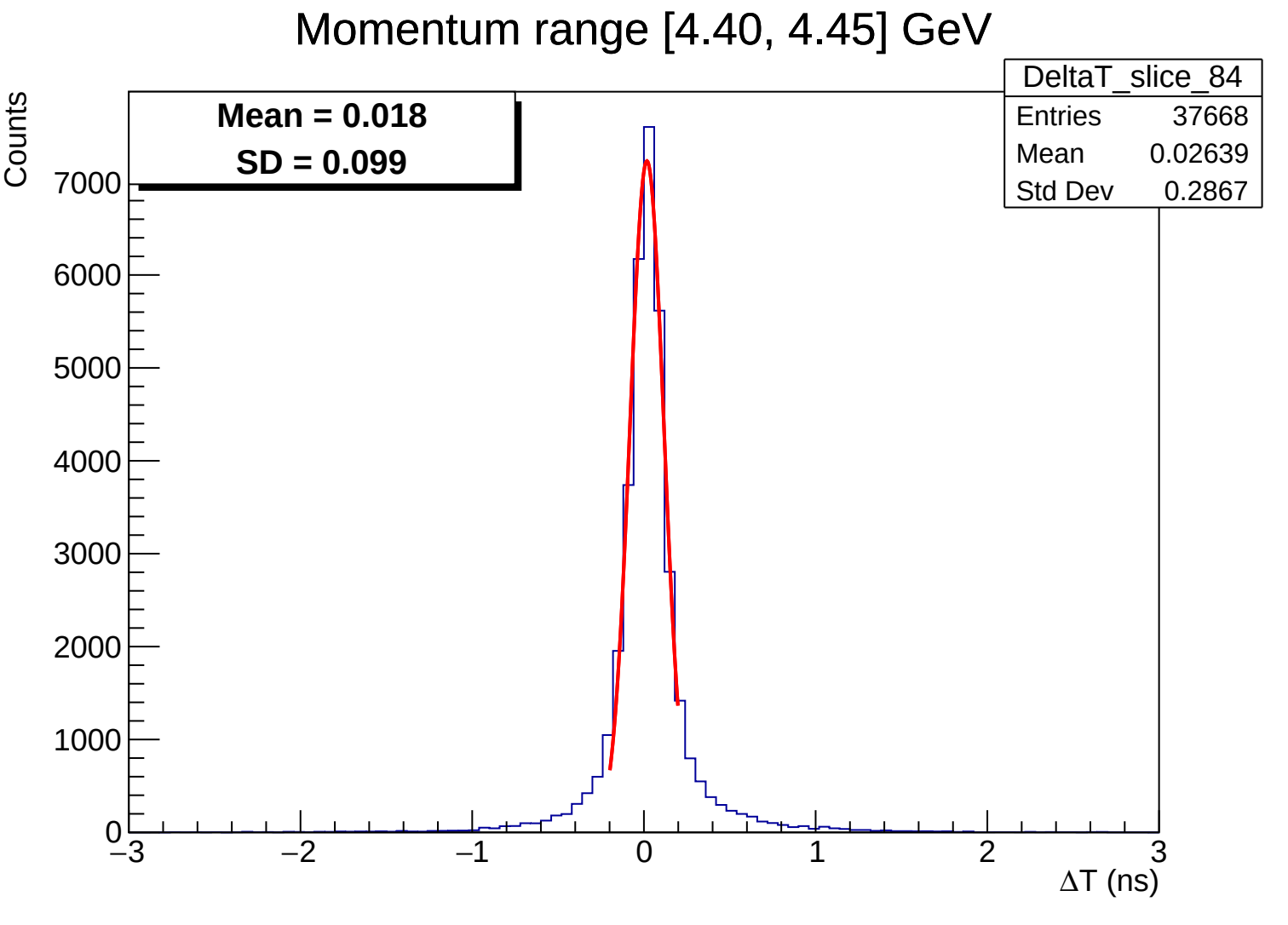
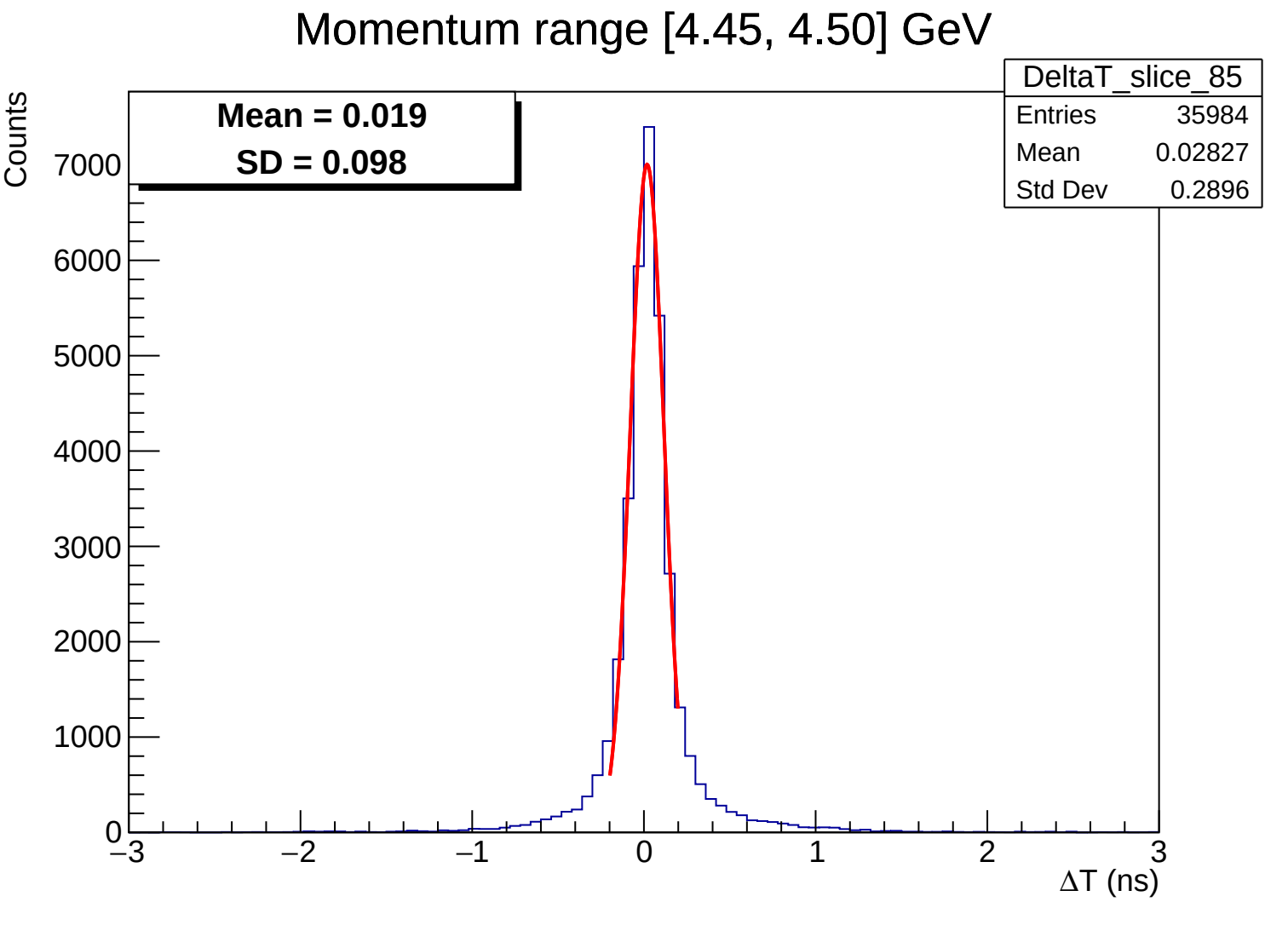
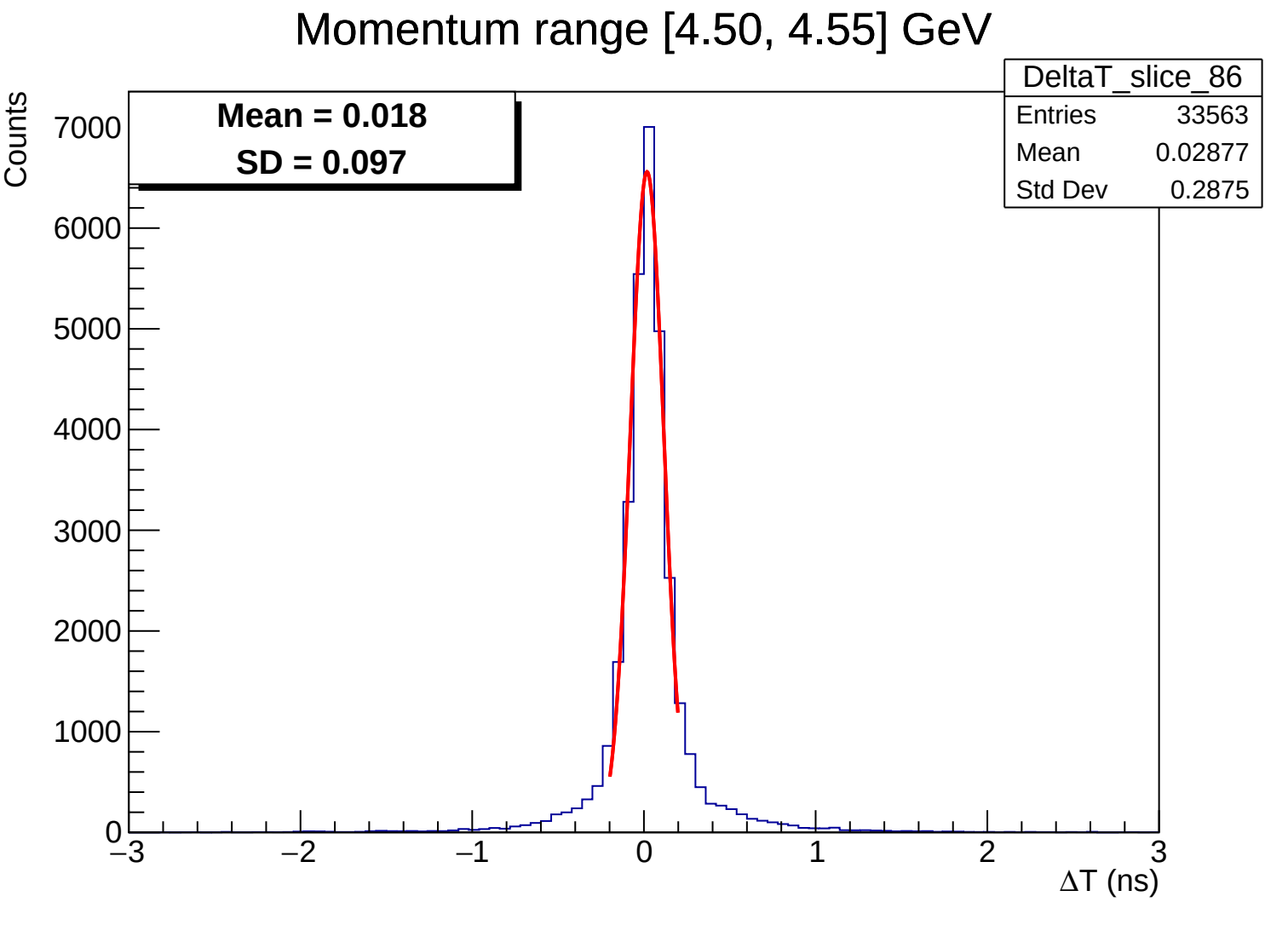
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.40, 4.45] GeV
Mean = 0.018
SD = 0.099
DeltaT_slice_84
Entries 37668
Mean 0.02639
Std Dev 0.2867
Counts
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.45, 4.50] GeV
Mean = 0.019
SD = 0.098
DeltaT_slice_85
Entries 35984
Mean 0.02827
Std Dev 0.2896
Counts
7000
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.50, 4.55] GeV
DeltaT_slice_86
Entries 33563
Mean 0.02877
Std Dev 0.2875
Mean = 0.018
SD = 0.097
Counts
7000
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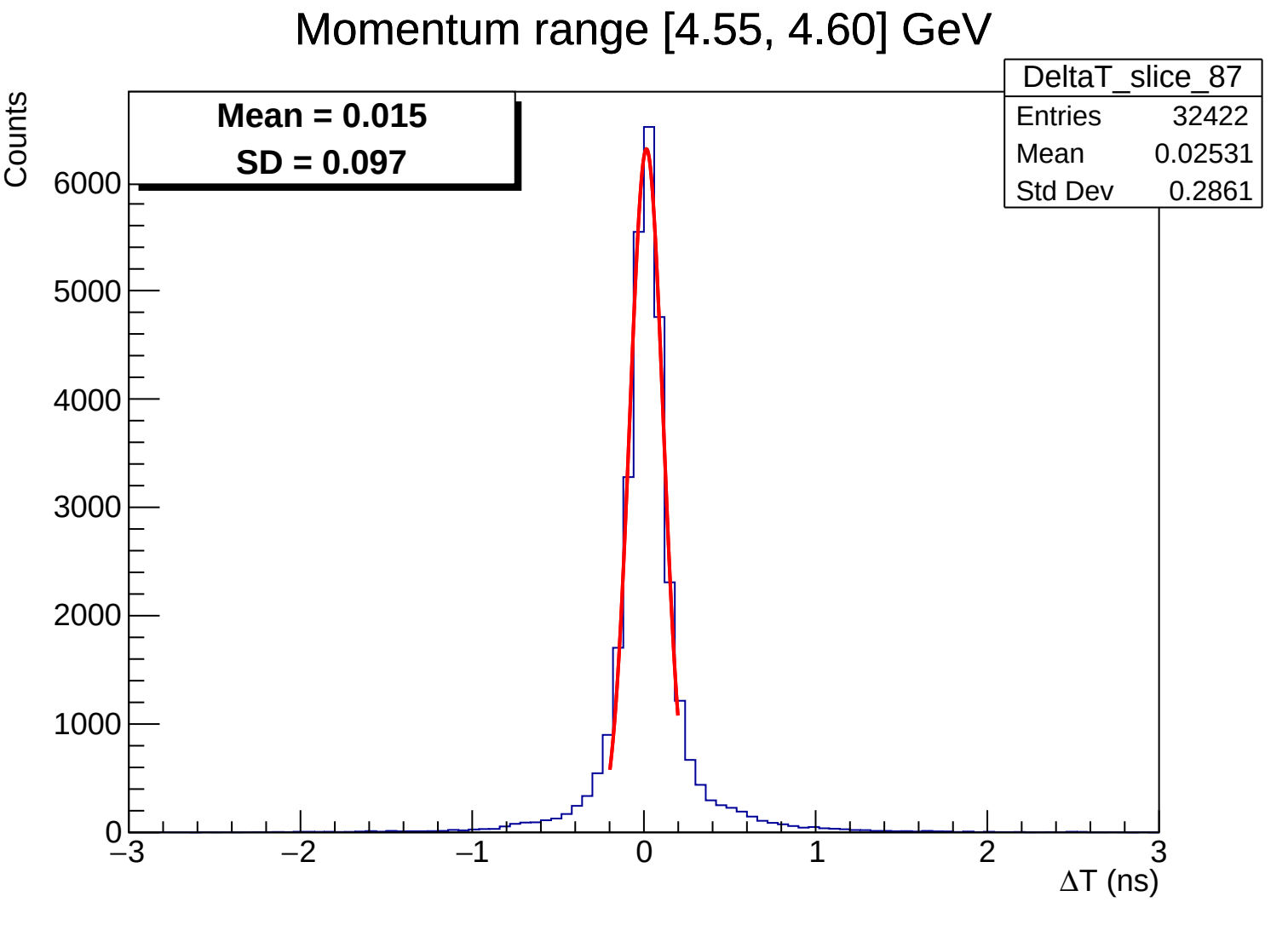
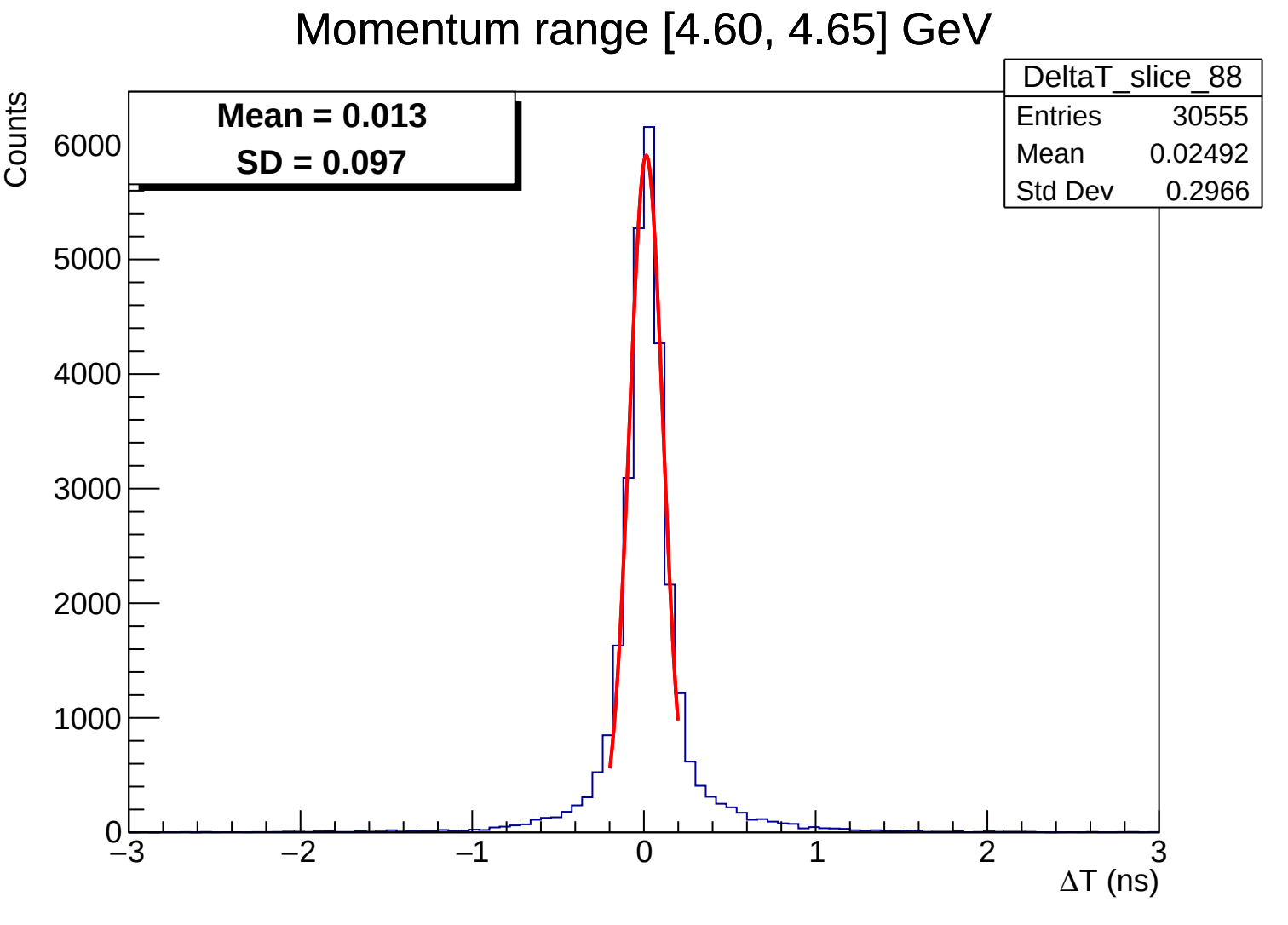
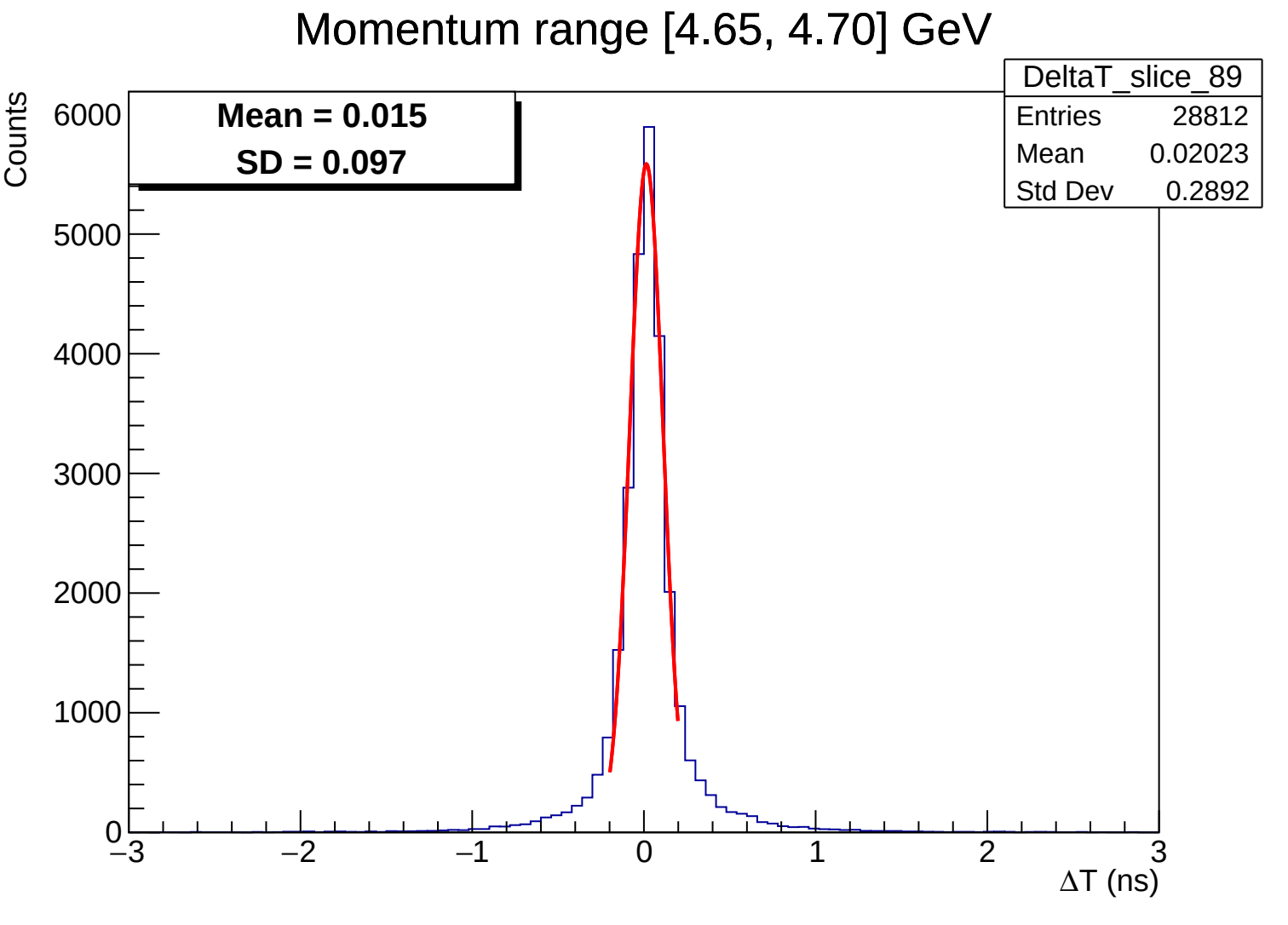
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.55, 4.60] GeV
Mean = 0.015
SD = 0.097
DeltaT_slice_87
Entries 32422
Mean 0.02531
Std Dev 0.2861
Counts
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.60, 4.65] GeV
Mean = 0.013
SD = 0.097
DeltaT_slice_88
Entries 30555
Mean 0.02492
Std Dev 0.2966
Counts
6000
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [4.65, 4.70] GeV
Mean = 0.015
SD = 0.097
DeltaT_slice_89
Entries 28812
Mean 0.02023
Std Dev 0.2892
Counts
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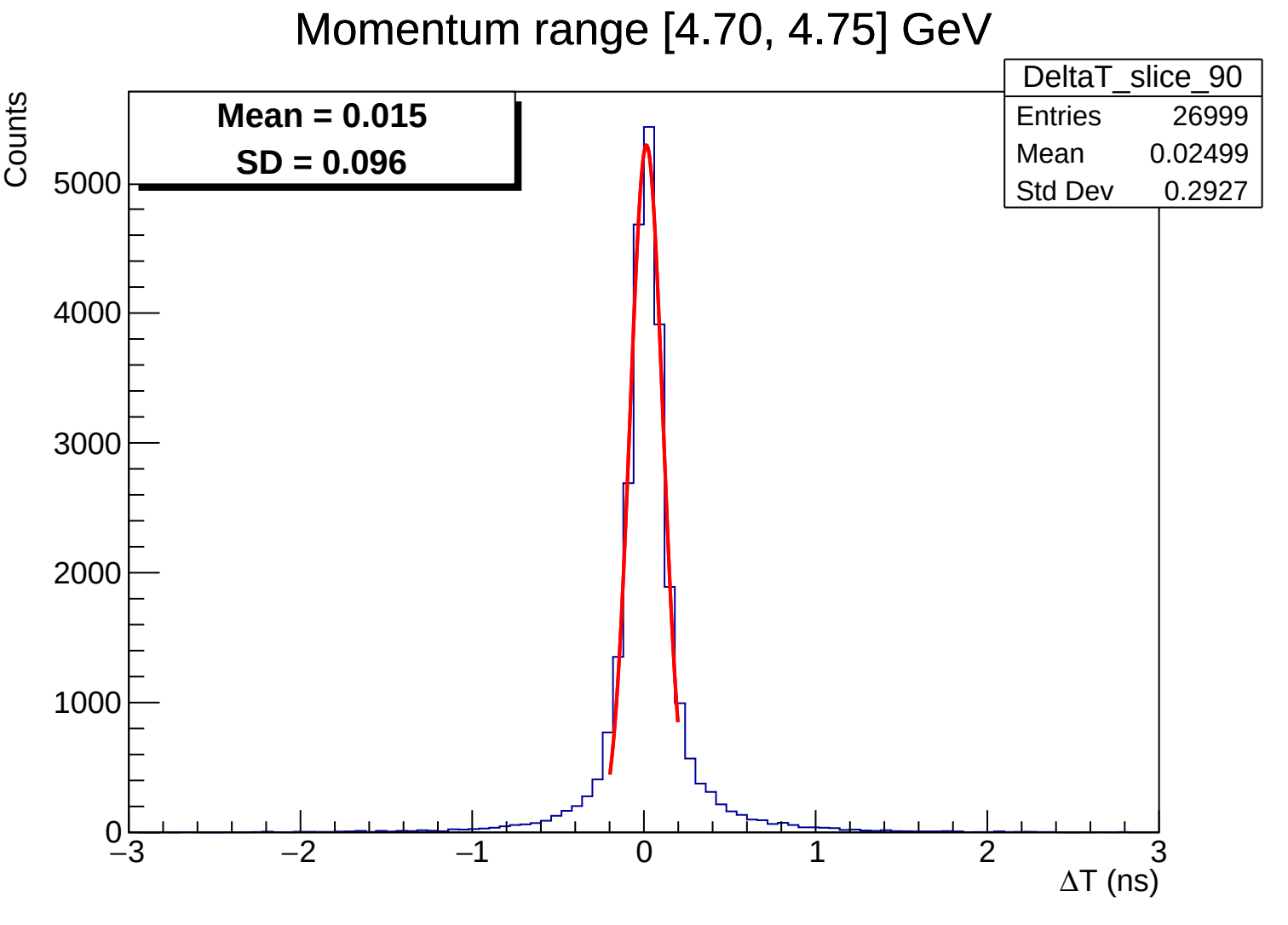
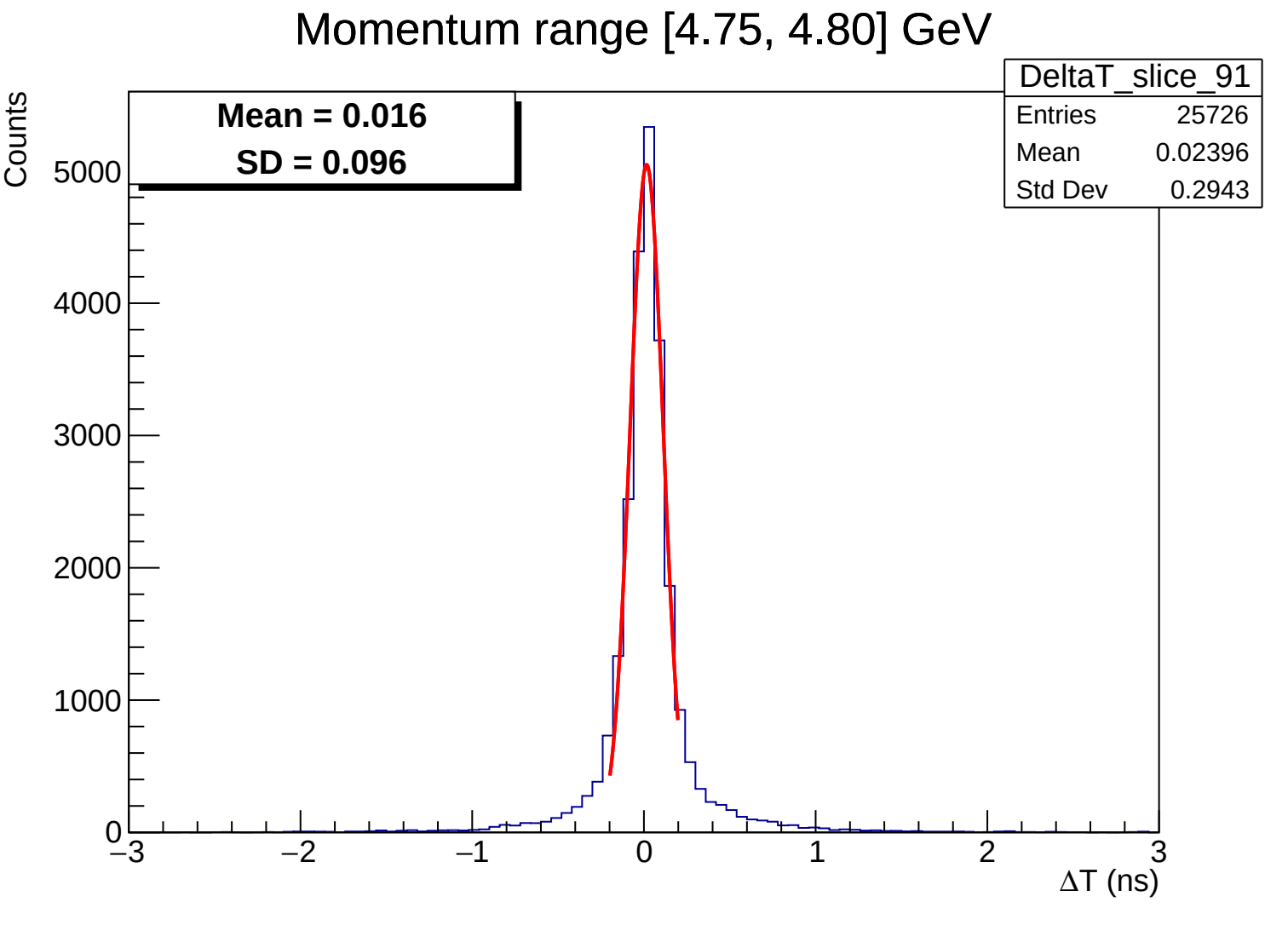
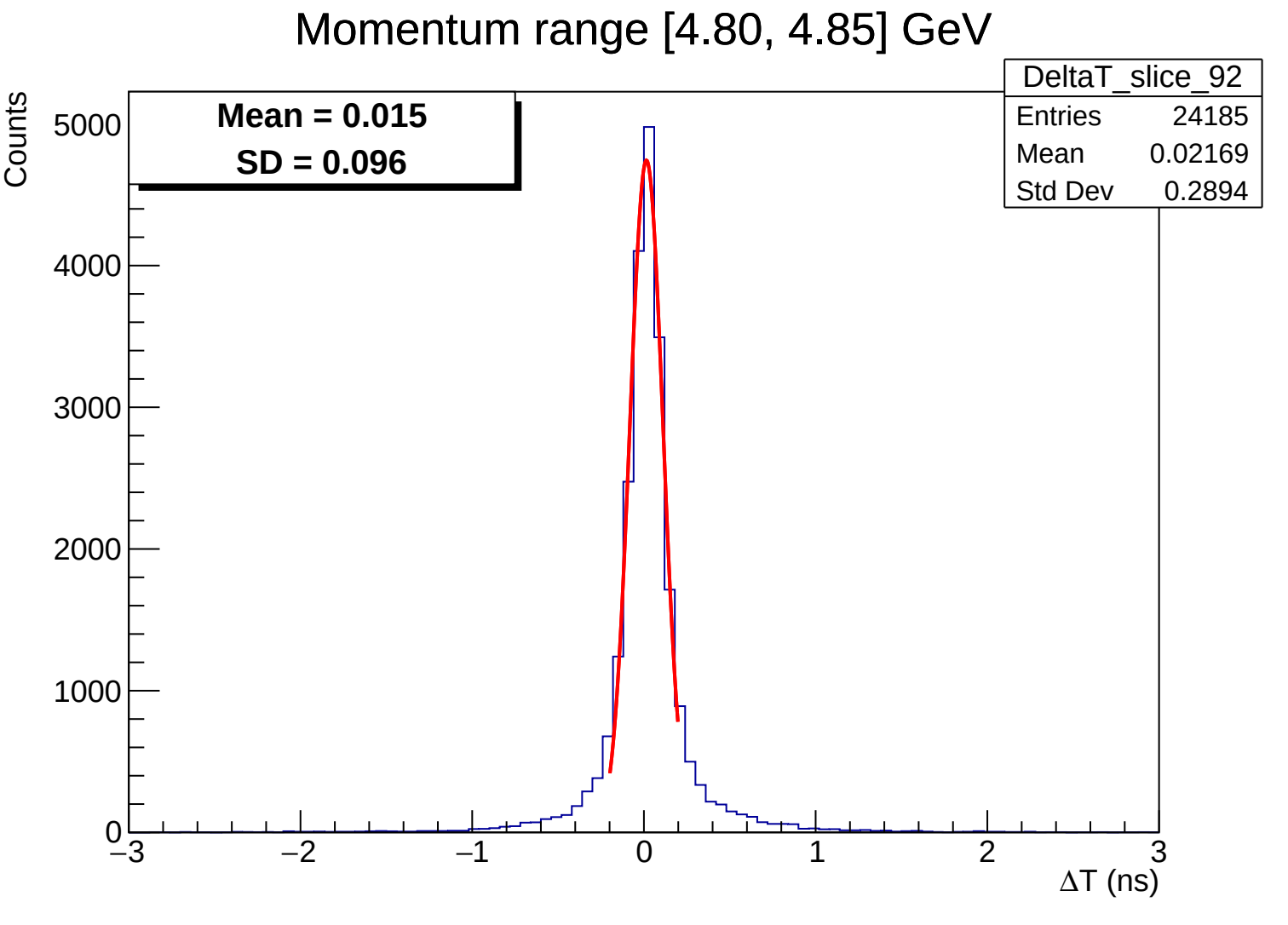
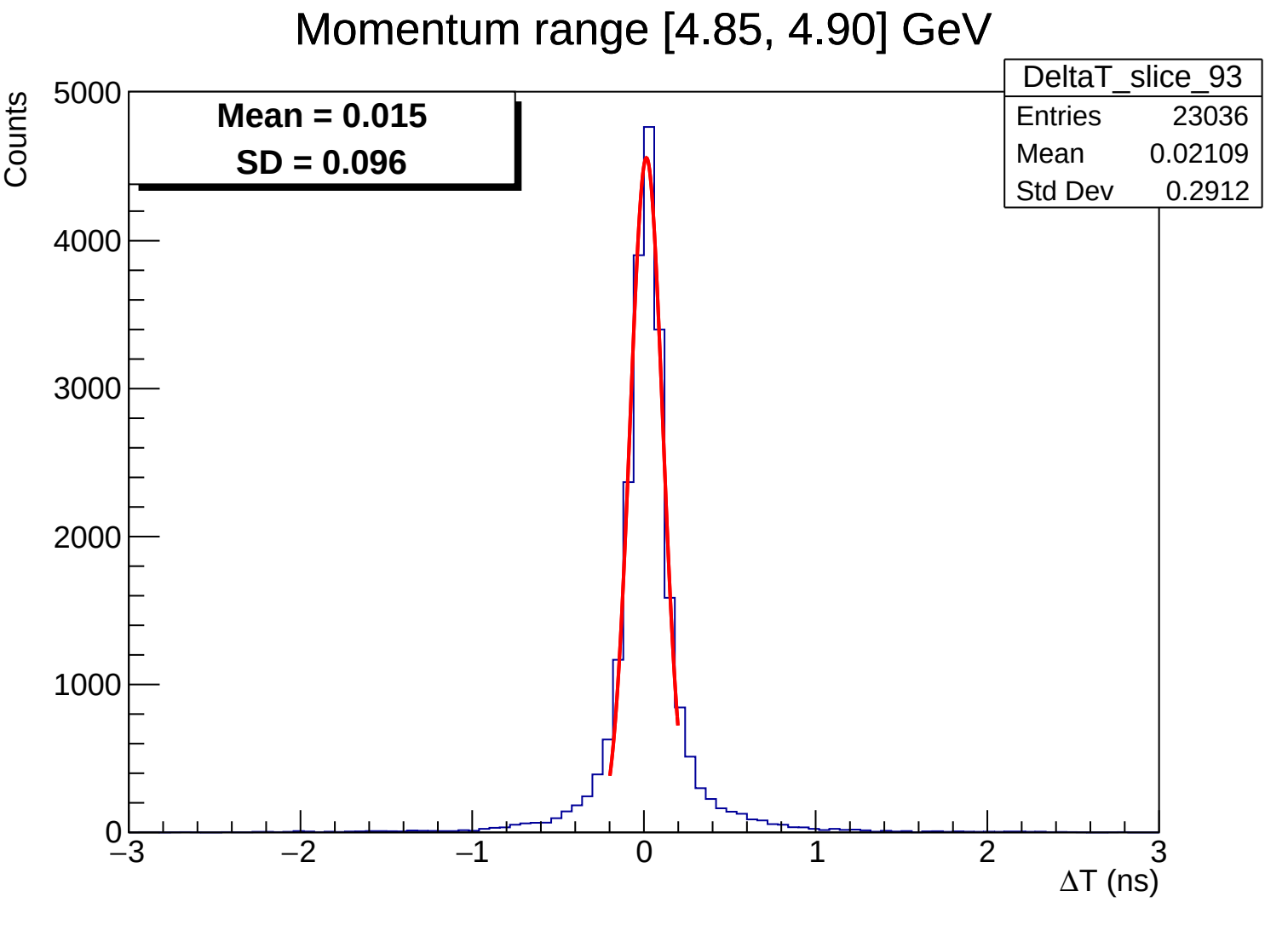
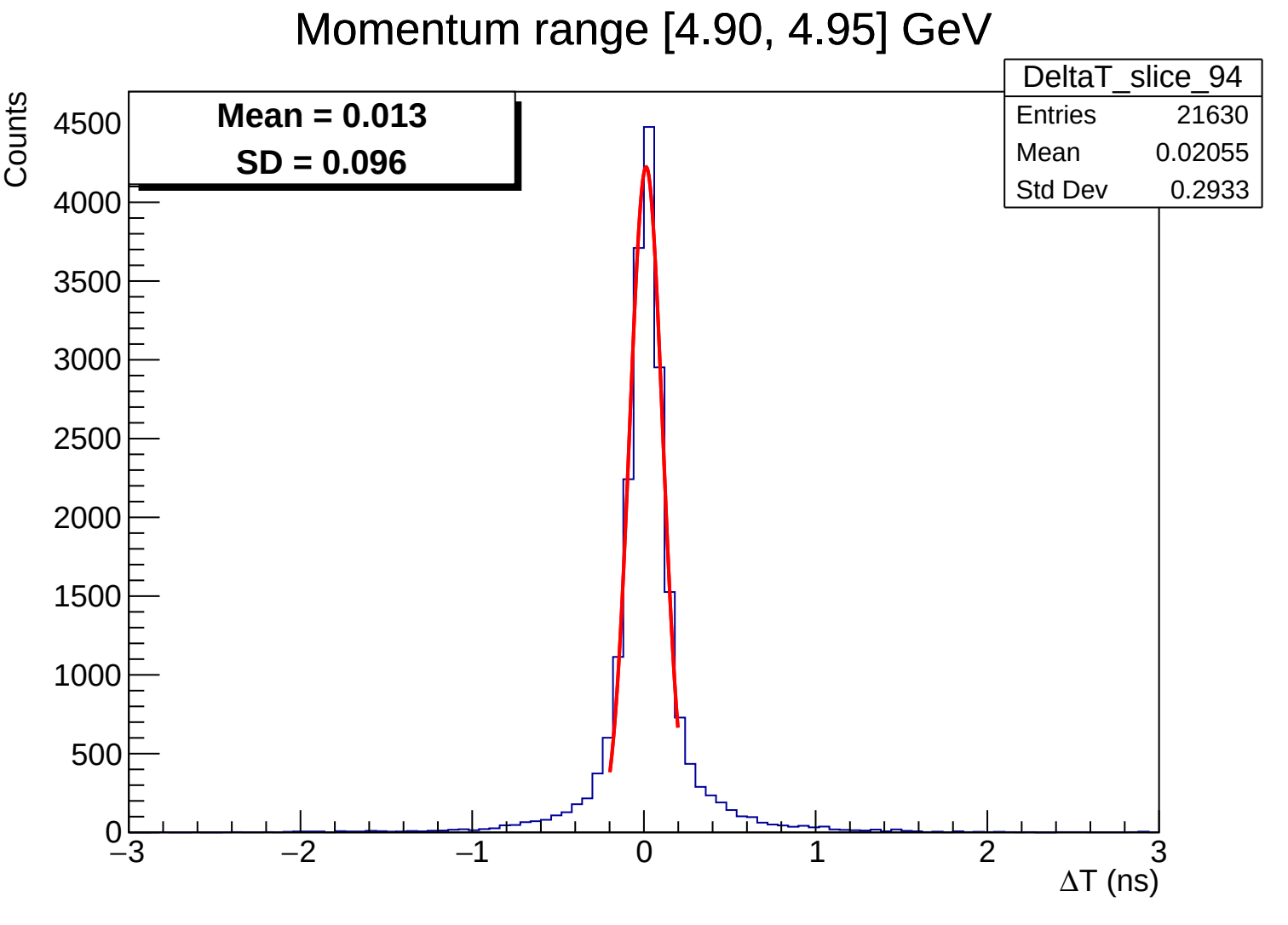
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

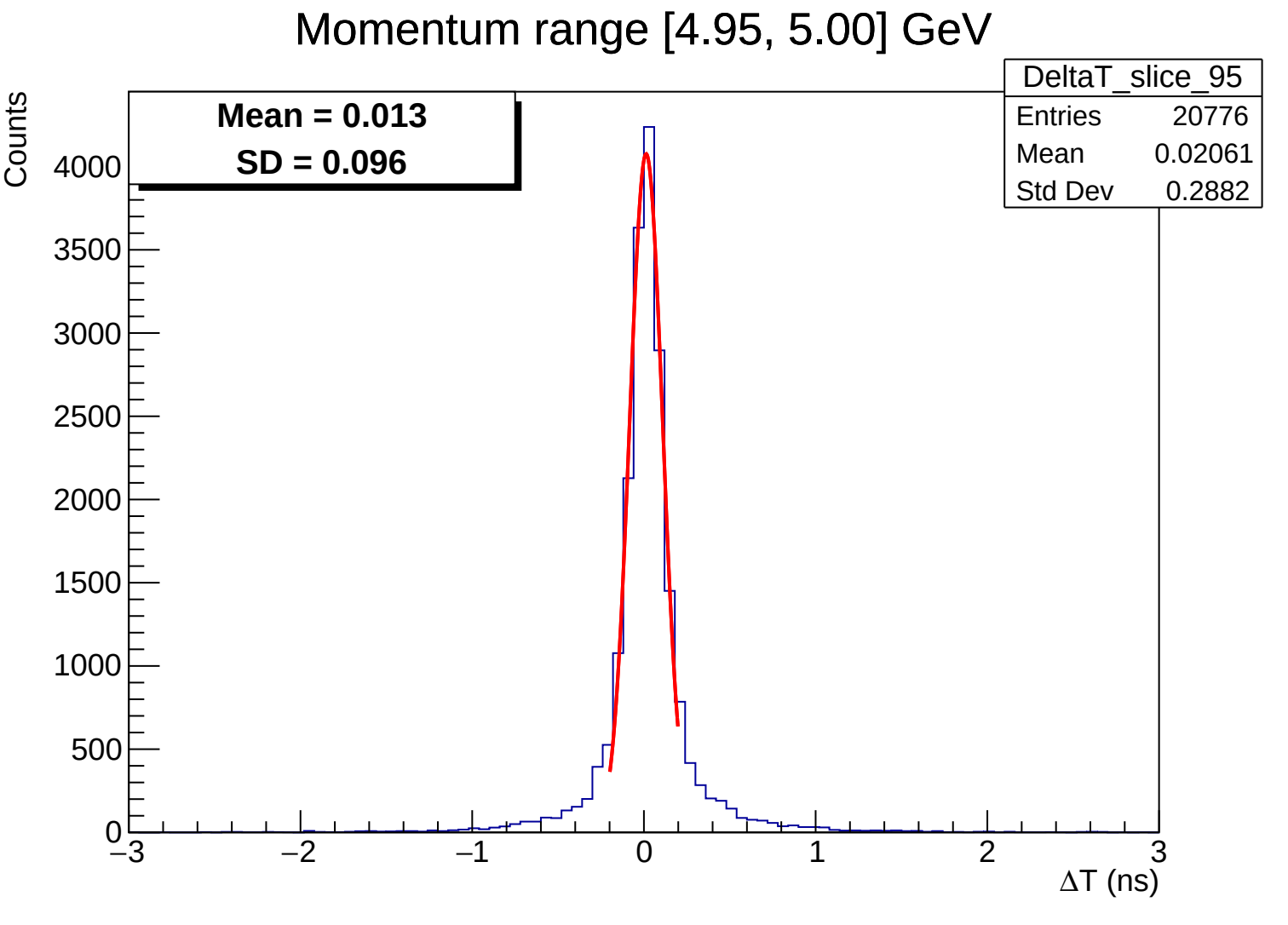

Momentum range [4.70, 4.75] GeV
Mean = 0.015
SD = 0.096
DeltaT_slice_90
Entries 26999
Mean 0.02499
Std Dev 0.2927
Counts
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

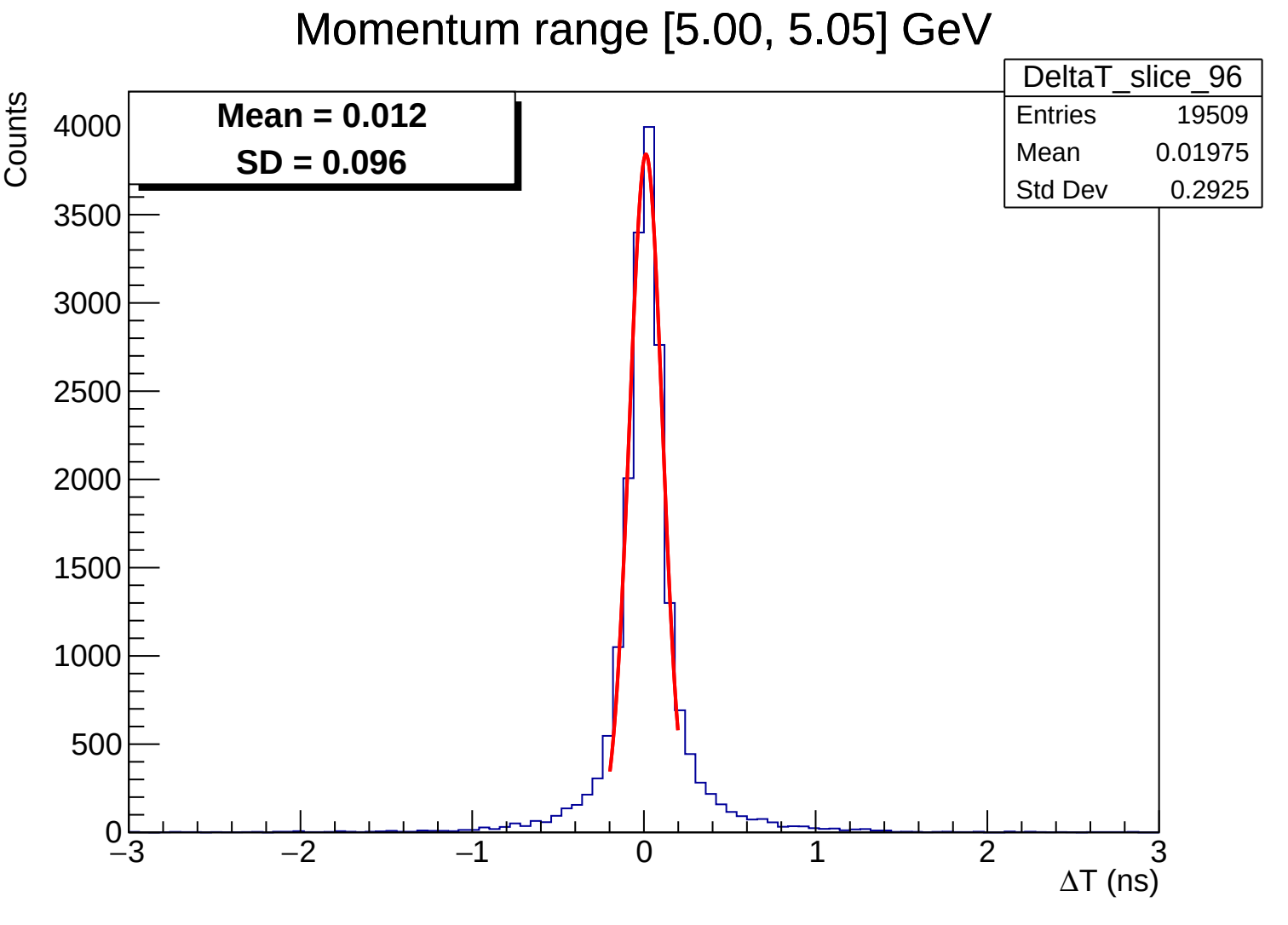

Momentum range [4.75, 4.80] GeV
Mean = 0.016
SD = 0.096
DeltaT_slice_91
Entries 25726
Mean 0.02396
Std Dev 0.2943
Counts
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

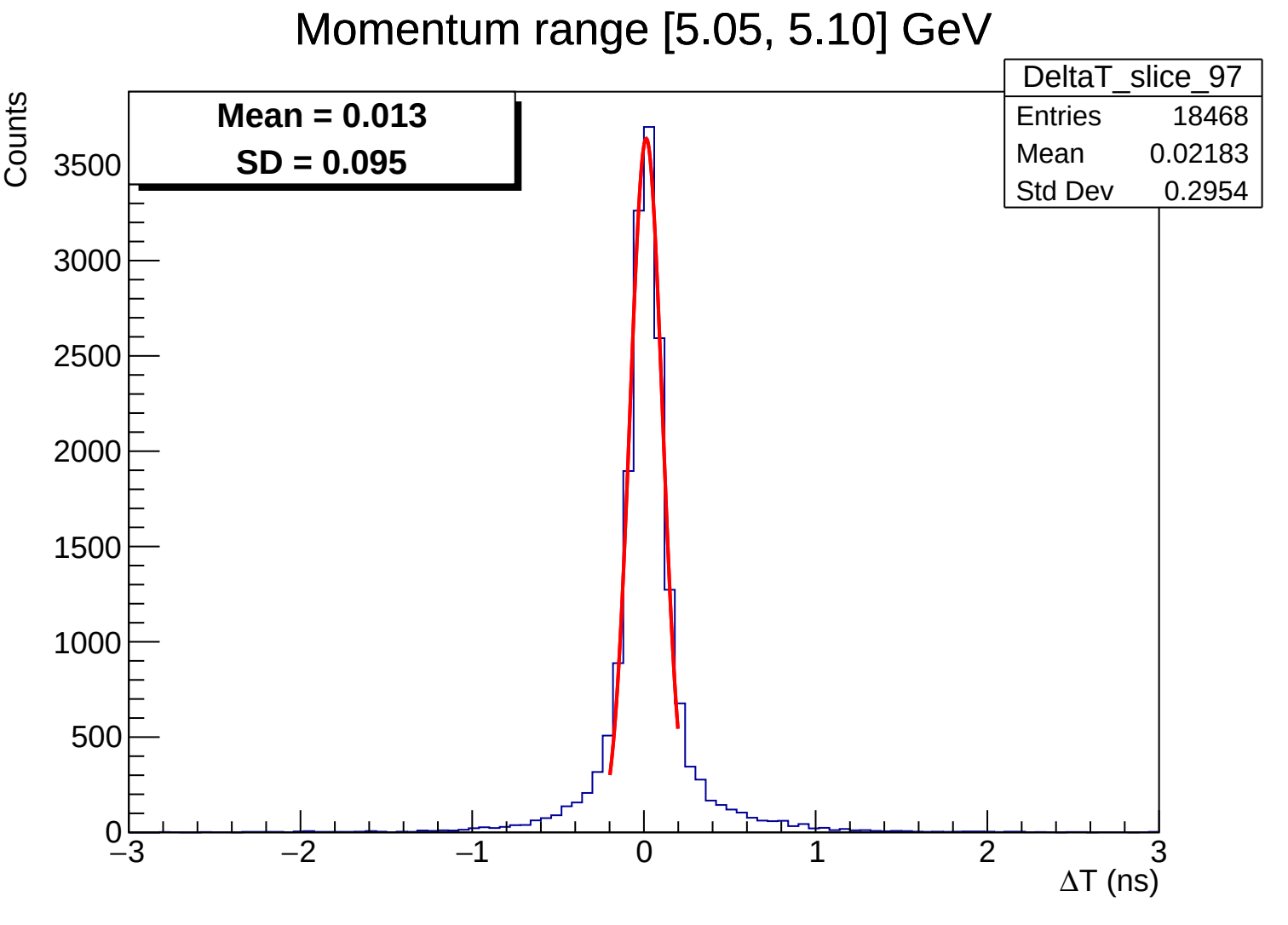

Momentum range [4.80, 4.85] GeV
DeltaT_slice_92
Entries 24185
Mean 0.02169
Std Dev 0.2894
Mean = 0.015
SD = 0.096
Counts
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

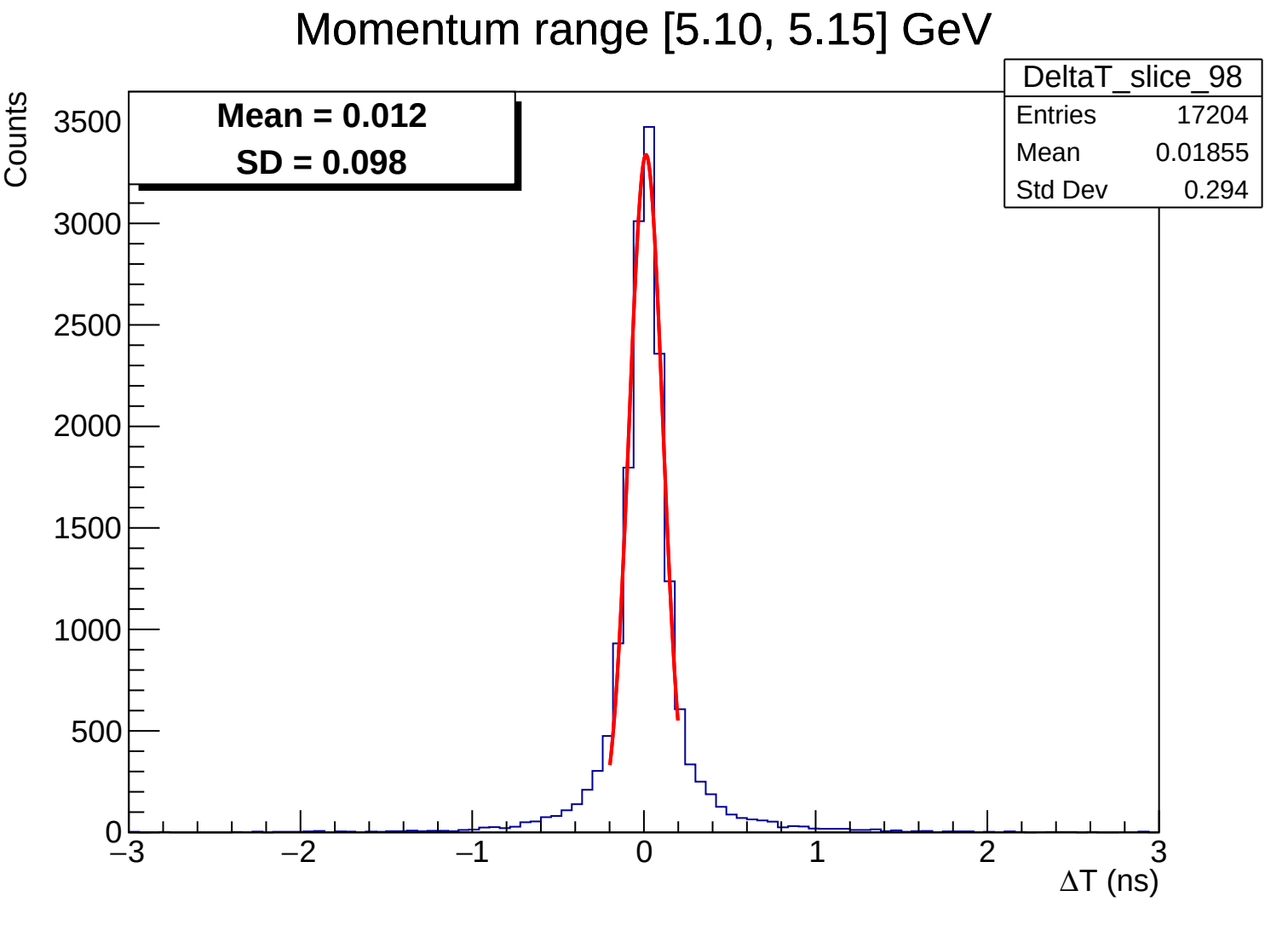

Momentum range [4.85, 4.90] GeV
Mean = 0.015
SD = 0.096
DeltaT_slice_93
Entries 23036
Mean 0.02109
Std Dev 0.2912
Counts
5000
4000
3000
2000
1000
0
−3
−2
−1
0
1
2
3
ΔT (ns)

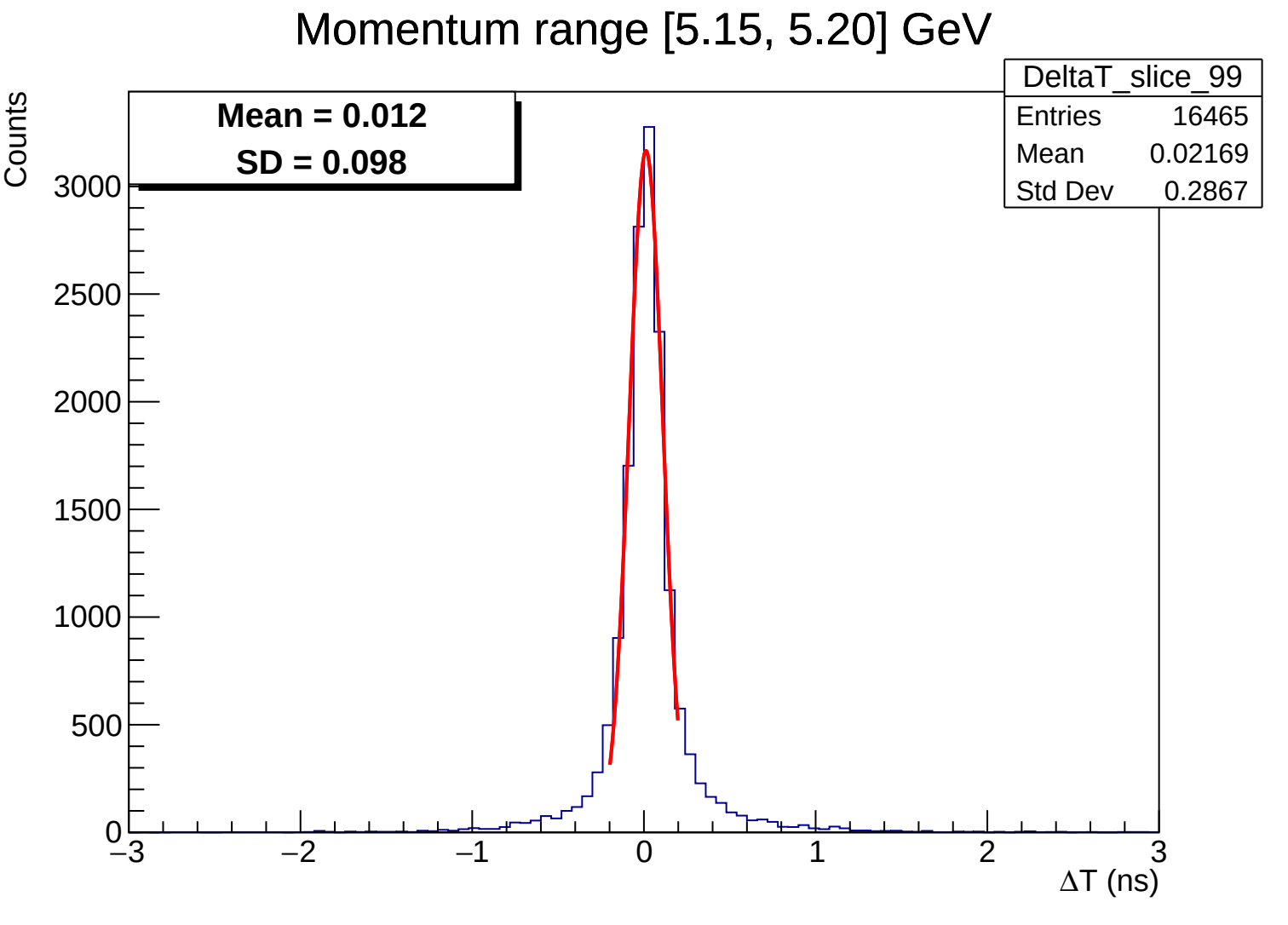

Momentum range [4.90, 4.95] GeV
Mean = 0.013
SD = 0.096
DeltaT_slice_94
Entries 21630
Mean 0.02055
Std Dev 0.2933
Counts
4500
4000
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

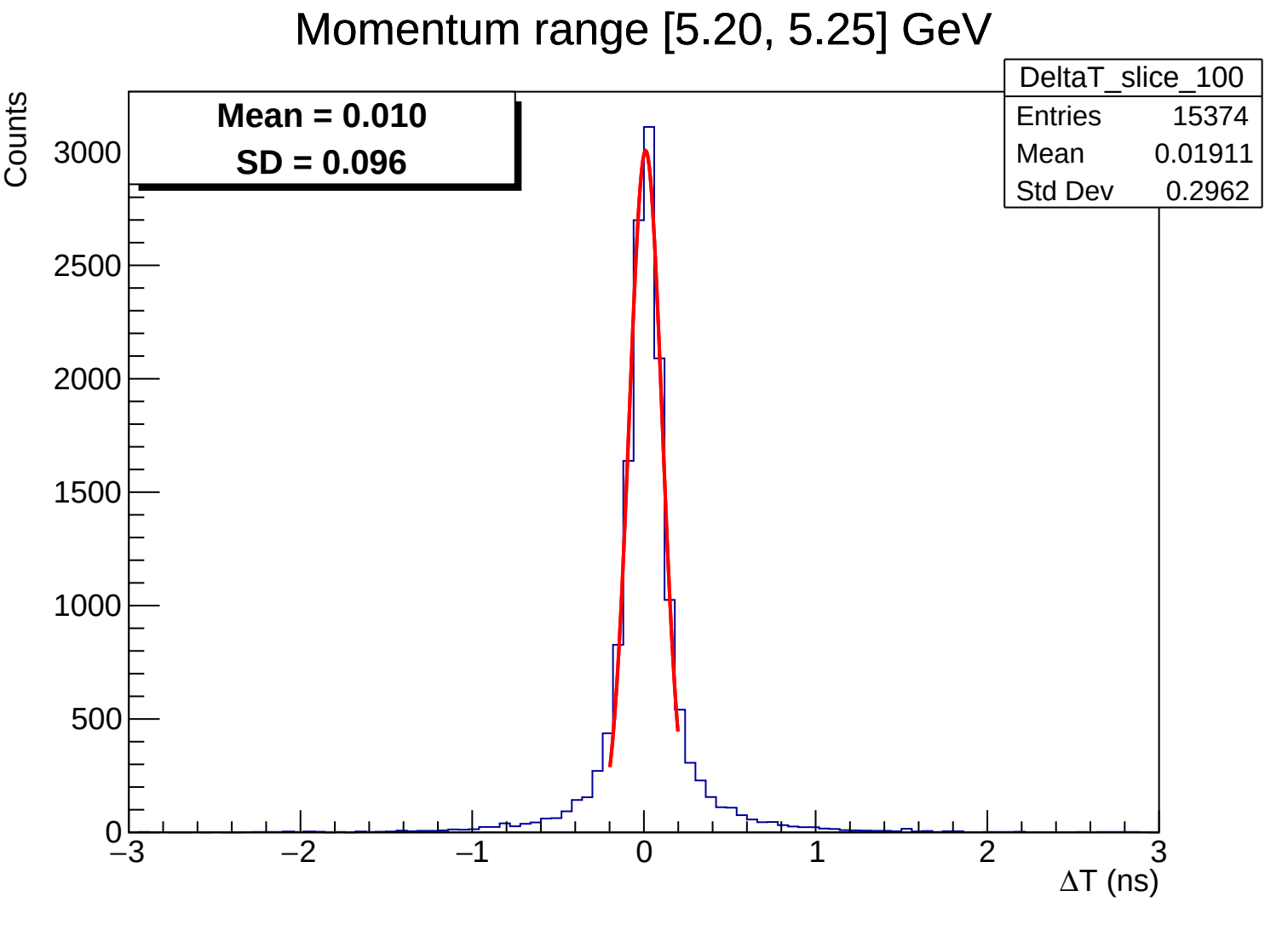

Momentum range [4.95, 5.00] GeV
Mean = 0.013
SD = 0.096
DeltaT_slice_95
Entries 20776
Mean 0.02061
Std Dev 0.2882
Counts
4000
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

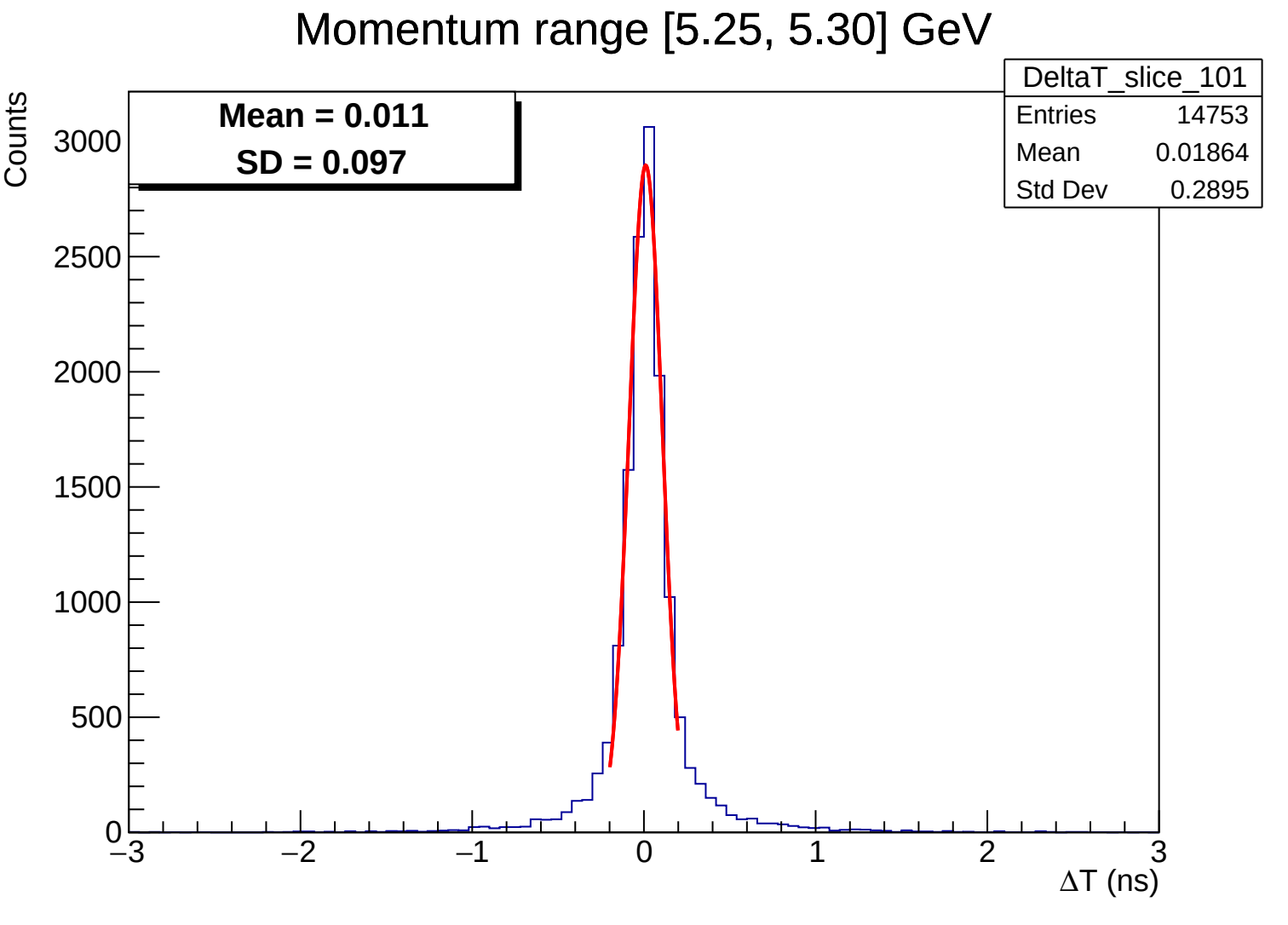

Momentum range [5.00, 5.05] GeV
Mean = 0.012
SD = 0.096
DeltaT_slice_96
Entries 19509
Mean 0.01975
Std Dev 0.2925
Counts
4000
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

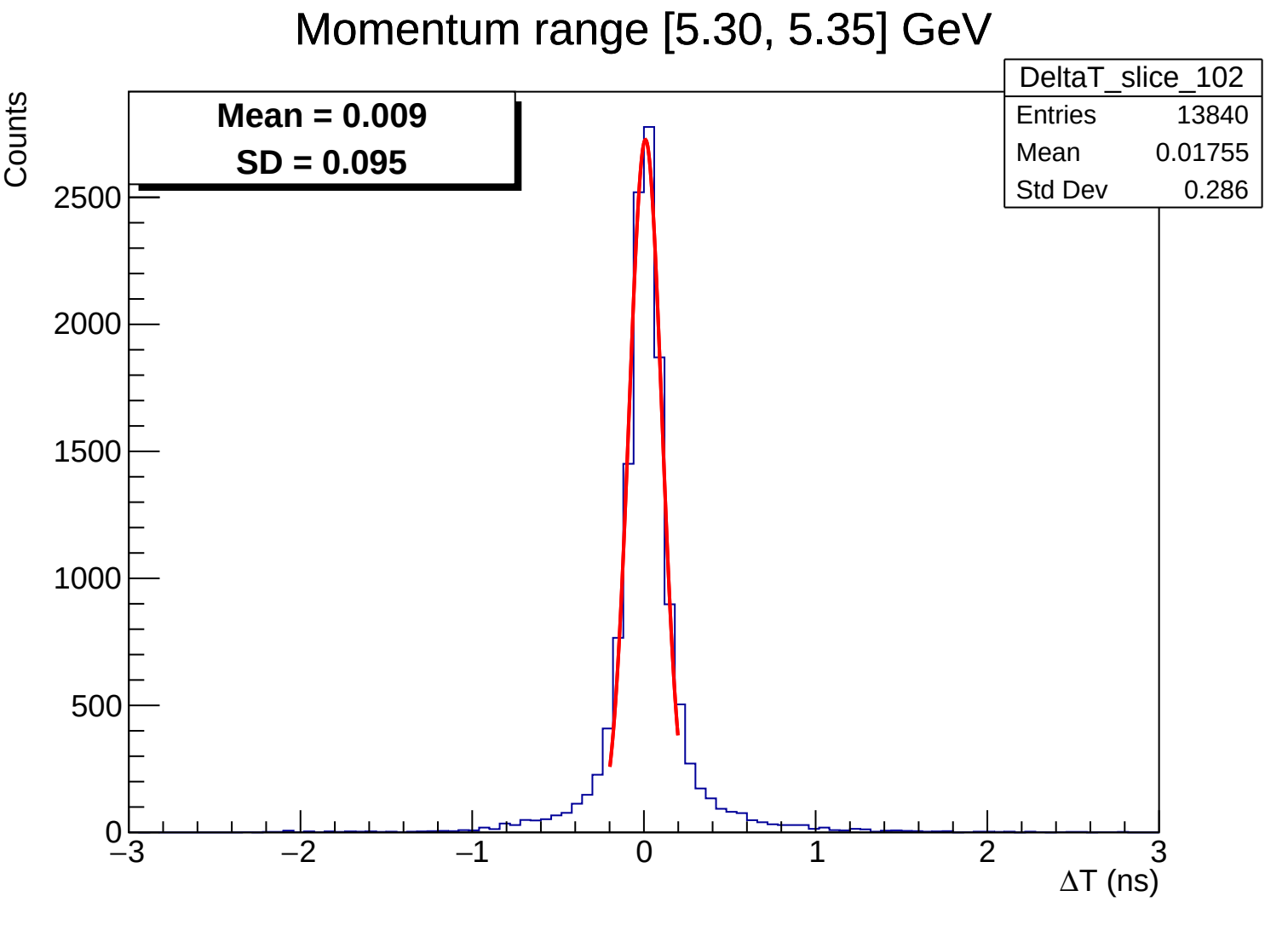

Momentum range [5.05, 5.10] GeV
Mean = 0.013
SD = 0.095
DeltaT_slice_97
Entries 18468
Mean 0.02183
Std Dev 0.2954
Counts
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

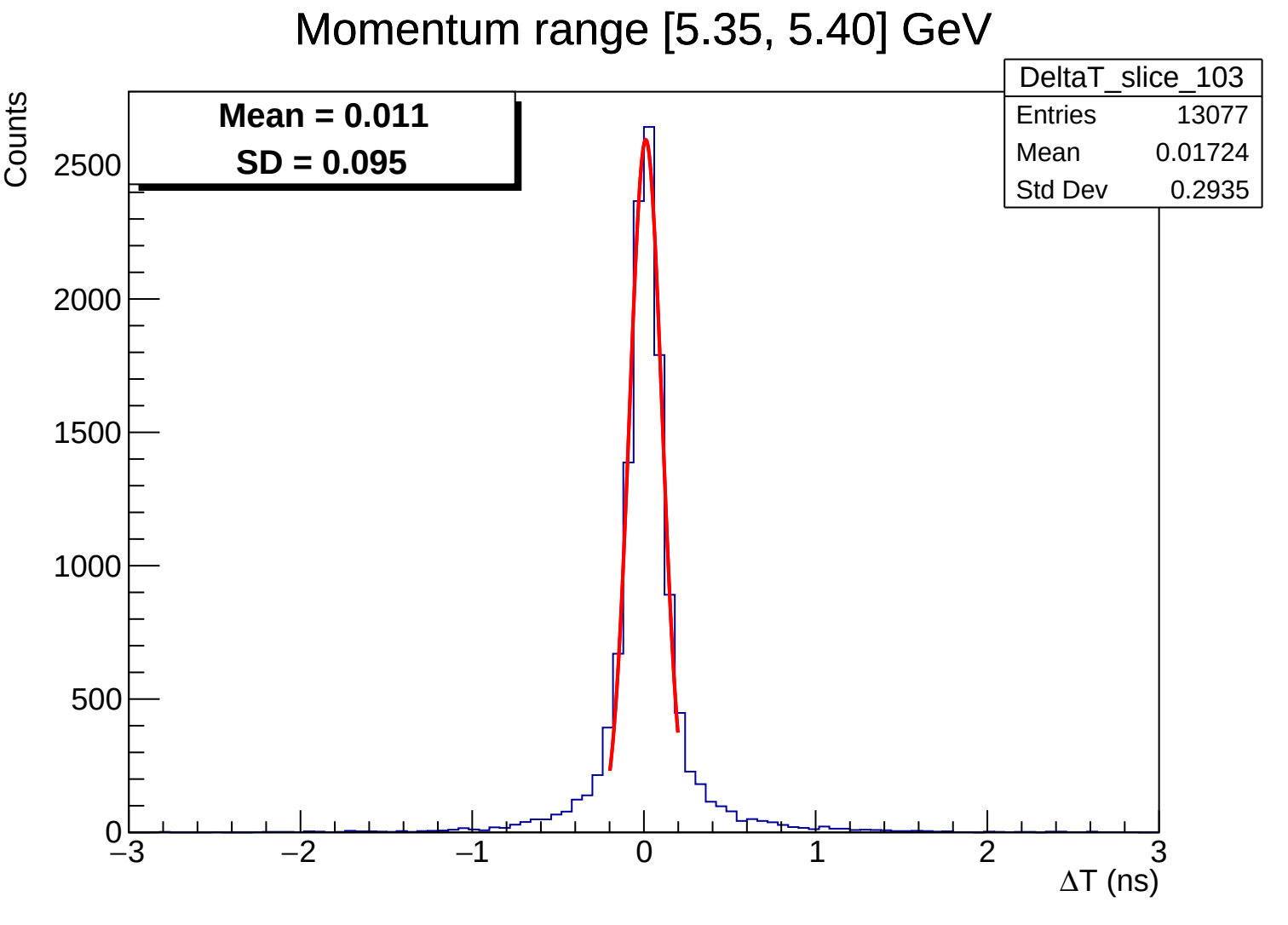

Momentum range [5.10, 5.15] GeV
Mean = 0.012
SD = 0.098
DeltaT_slice_98
Entries 17204
Mean 0.01855
Std Dev 0.294
Counts
3500
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

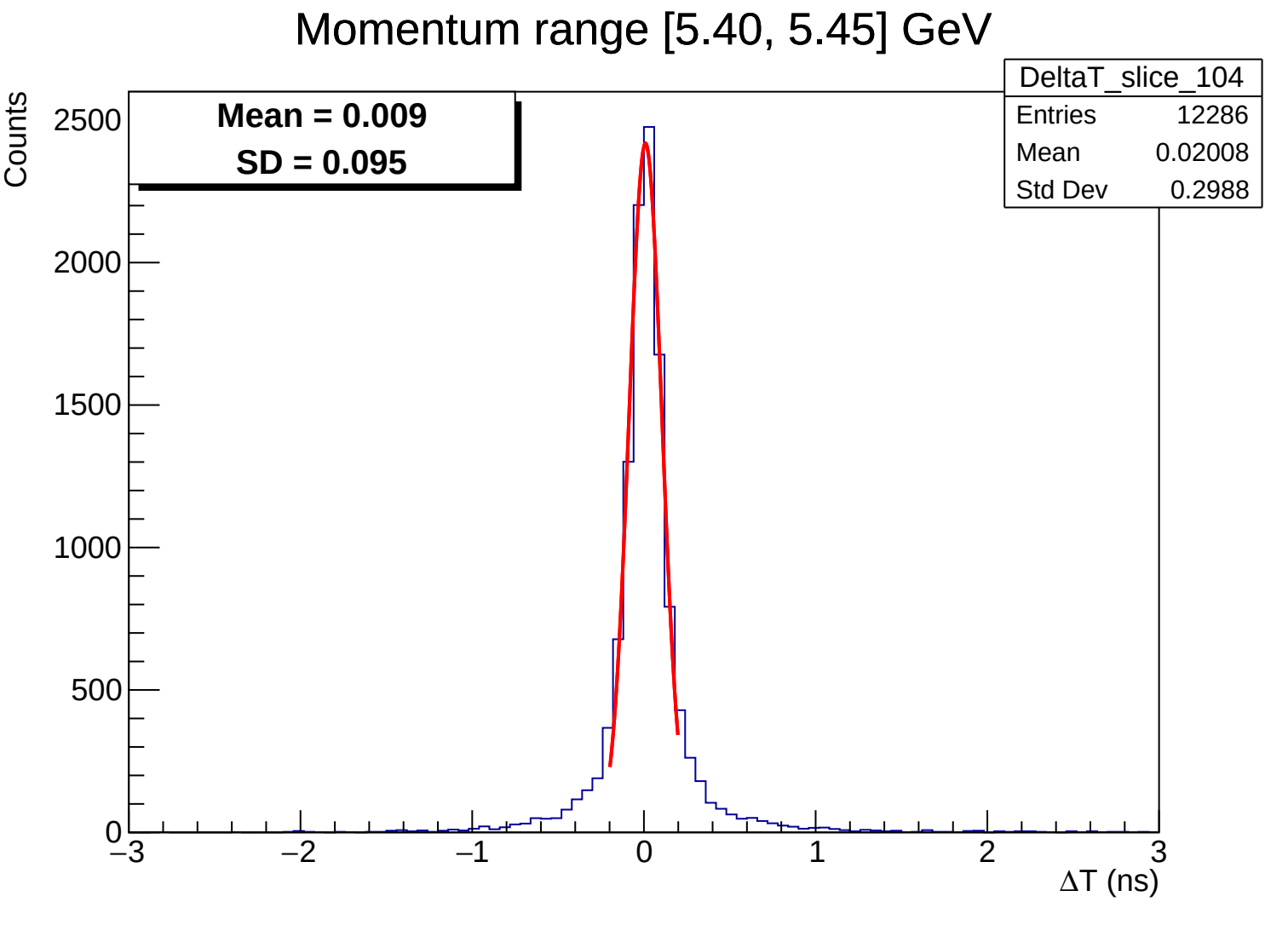

Momentum range [5.15, 5.20] GeV
Mean = 0.012
SD = 0.098
DeltaT_slice_99
Entries 16465
Mean 0.02169
Std Dev 0.2867
Counts
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

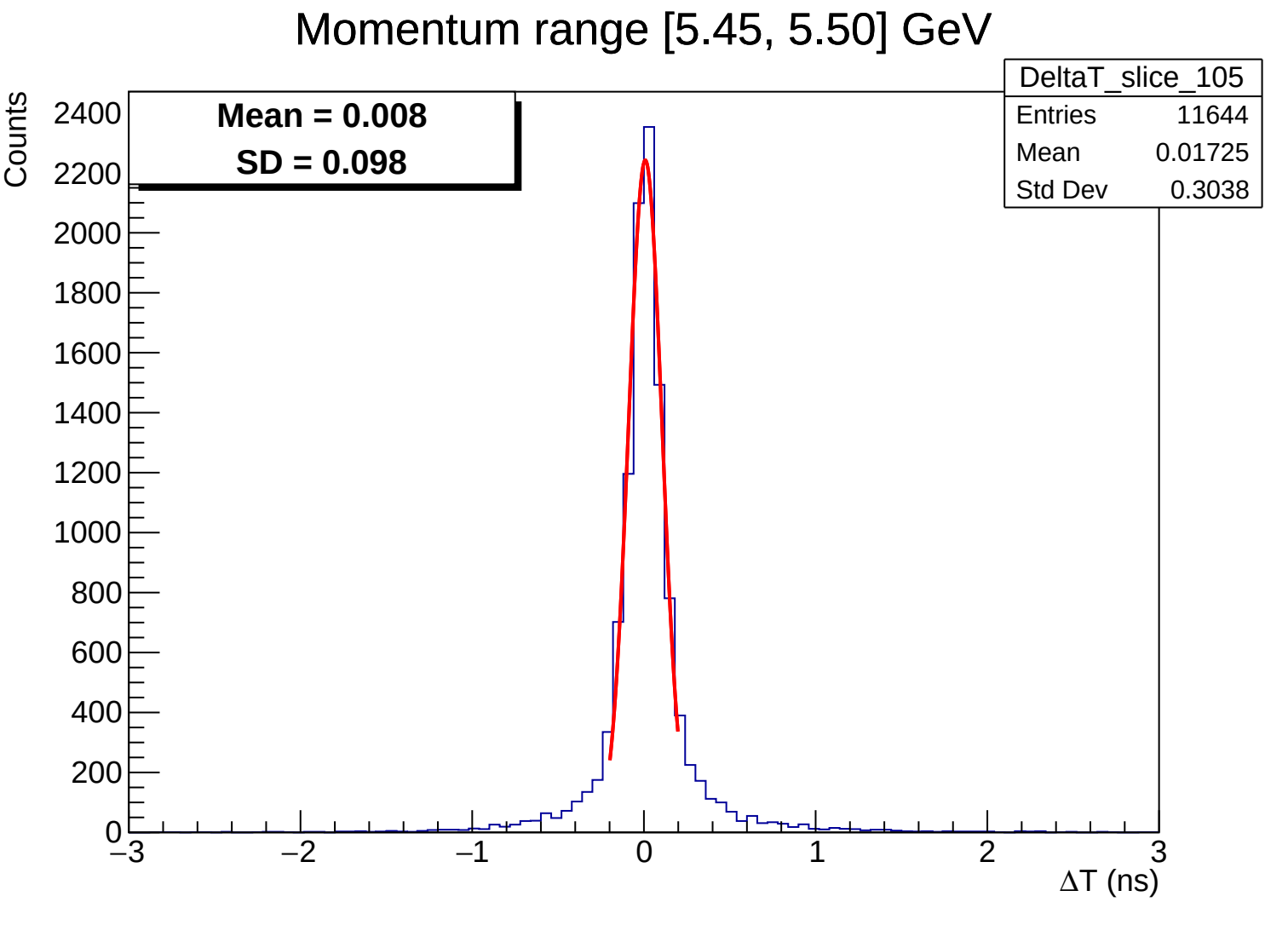

Momentum range [5.20, 5.25] GeV
Mean = 0.010
SD = 0.096
DeltaT_slice_100
Entries 15374
Mean 0.01911
Std Dev 0.2962
Counts
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

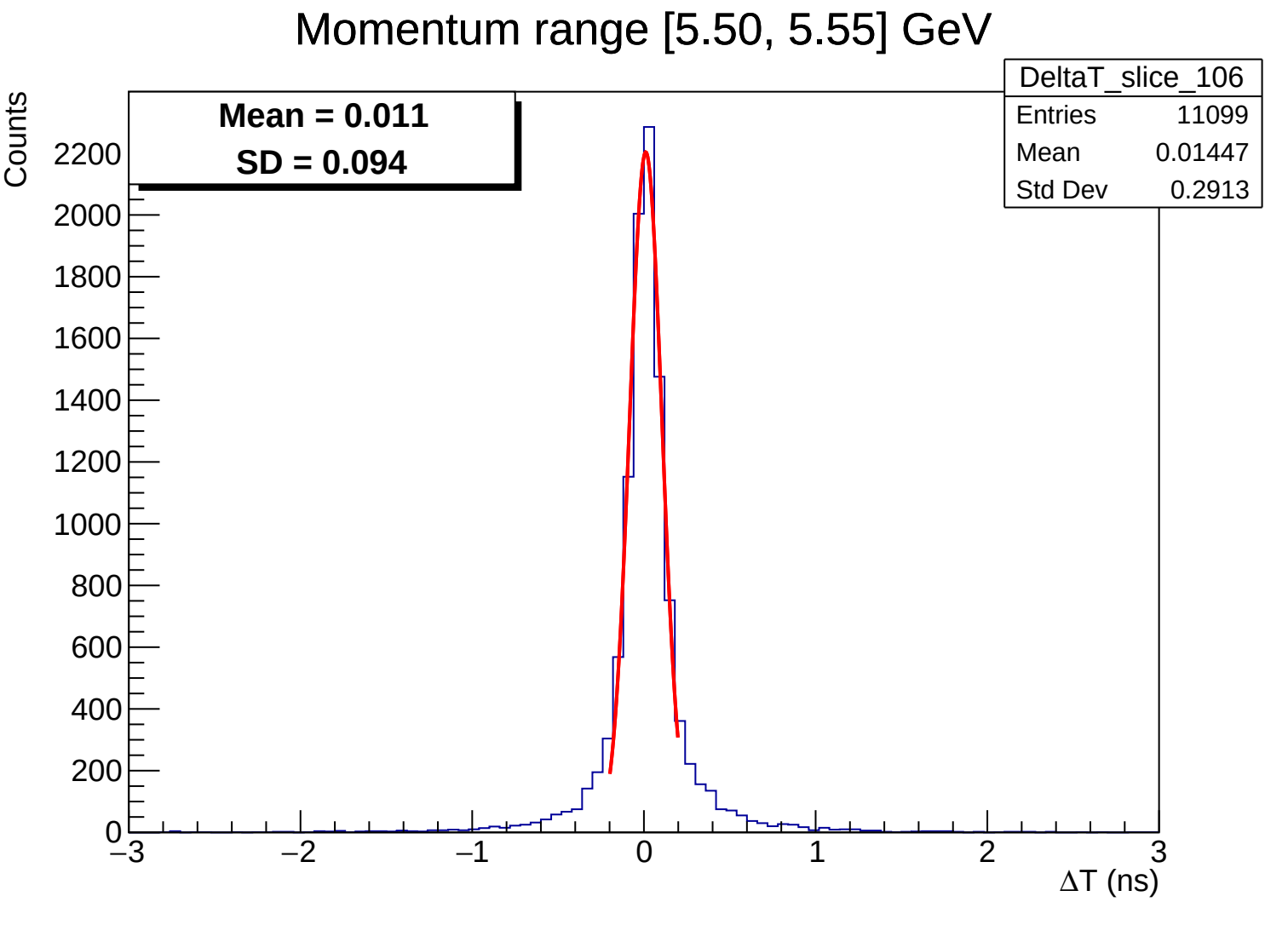

Momentum range [5.25, 5.30] GeV
Mean = 0.011
SD = 0.097
DeltaT_slice_101
Entries 14753
Mean 0.01864
Std Dev 0.2895
Counts
3000
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

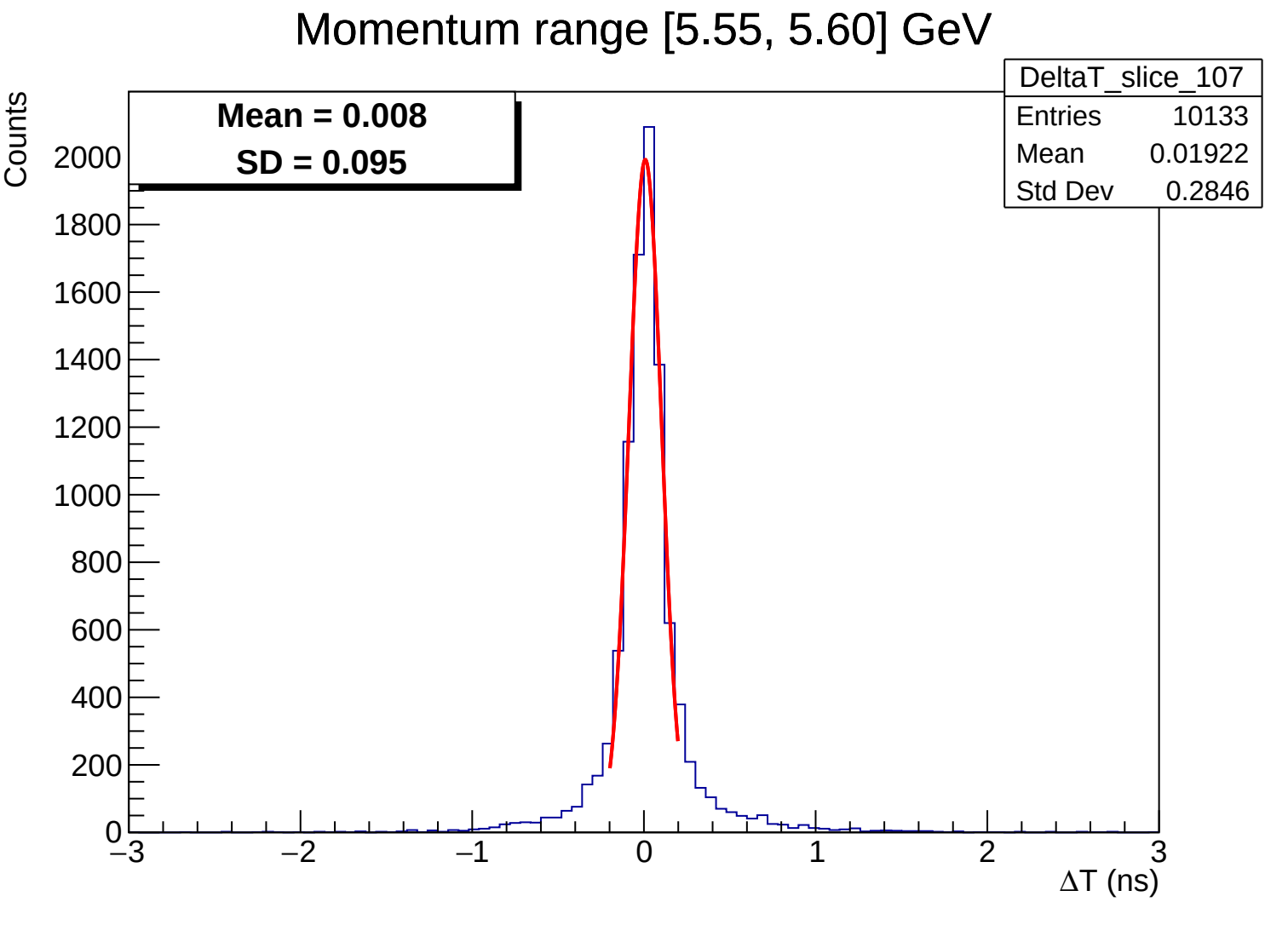

Momentum range [5.30, 5.35] GeV
Mean = 0.009
SD = 0.095
DeltaT_slice_102
Entries 13840
Mean 0.01755
Std Dev 0.286
Counts
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

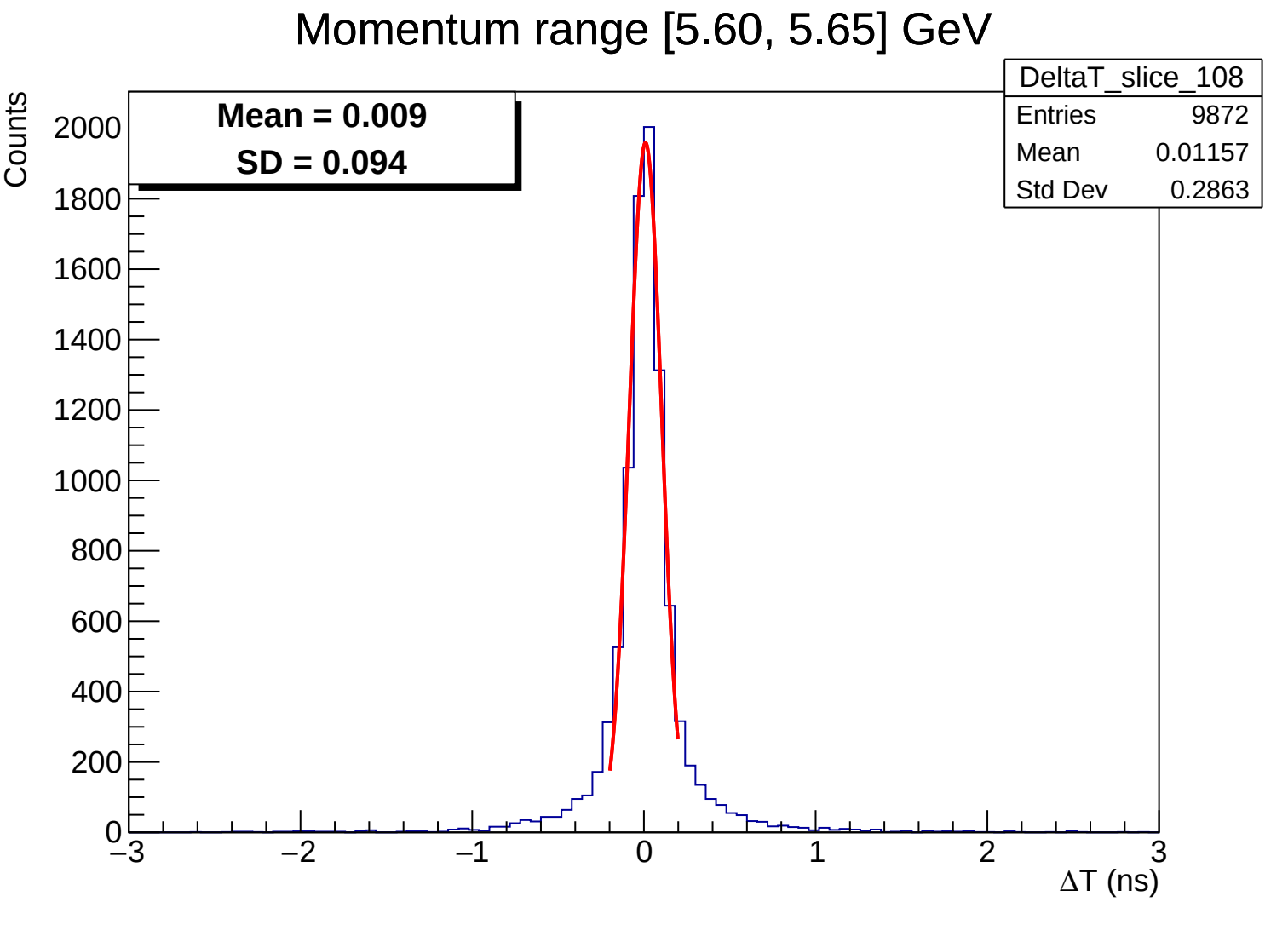

Momentum range [5.35, 5.40] GeV
Mean = 0.011
SD = 0.095
DeltaT_slice_103
Entries 13077
Mean 0.01724
Std Dev 0.2935
Counts
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

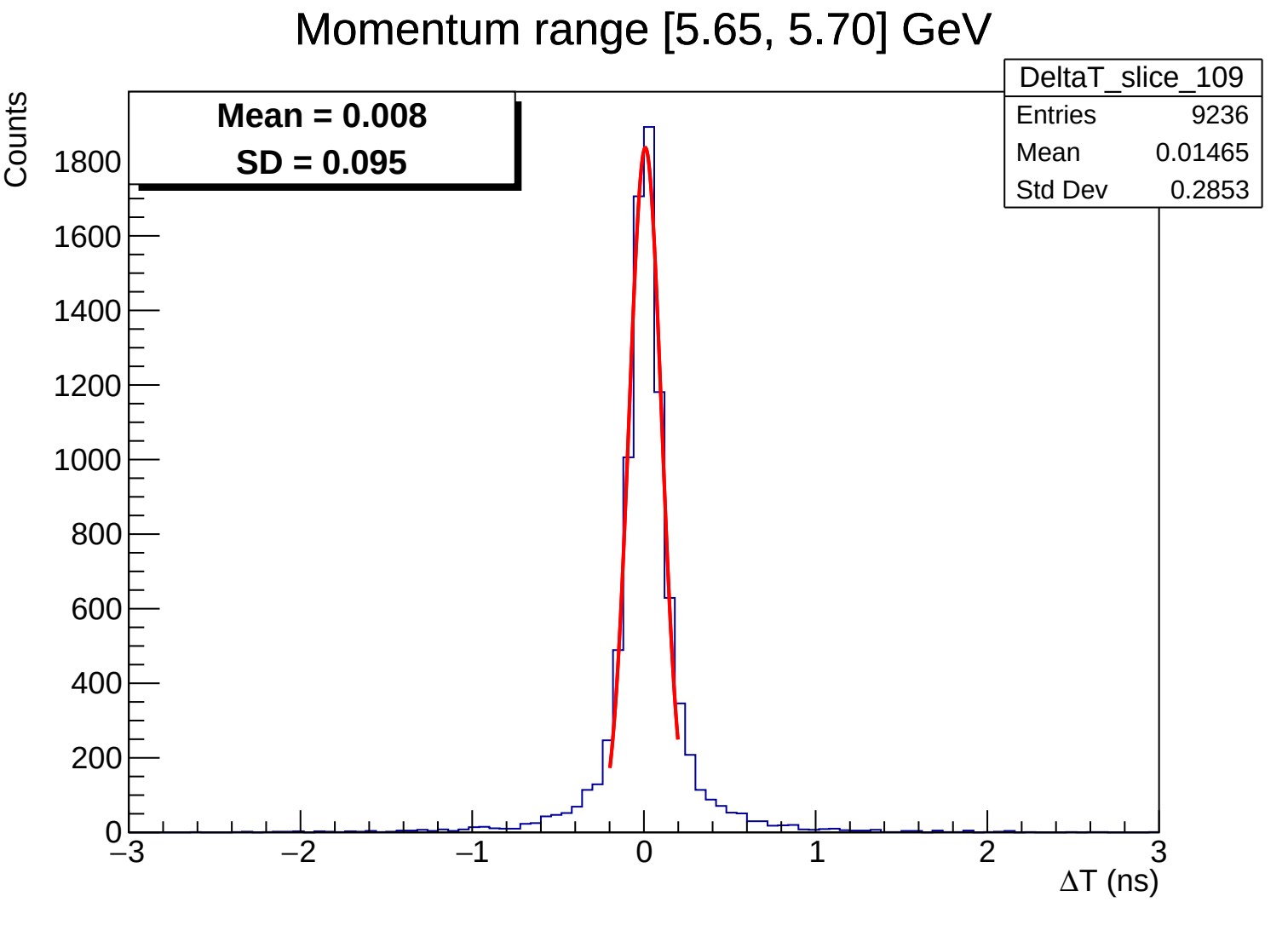

Momentum range [5.40, 5.45] GeV
Mean = 0.009
SD = 0.095
DeltaT_slice_104
Entries 12286
Mean 0.02008
Std Dev 0.2988
Counts
2500
2000
1500
1000
500
0
−3
−2
−1
0
1
2
3
ΔT (ns)

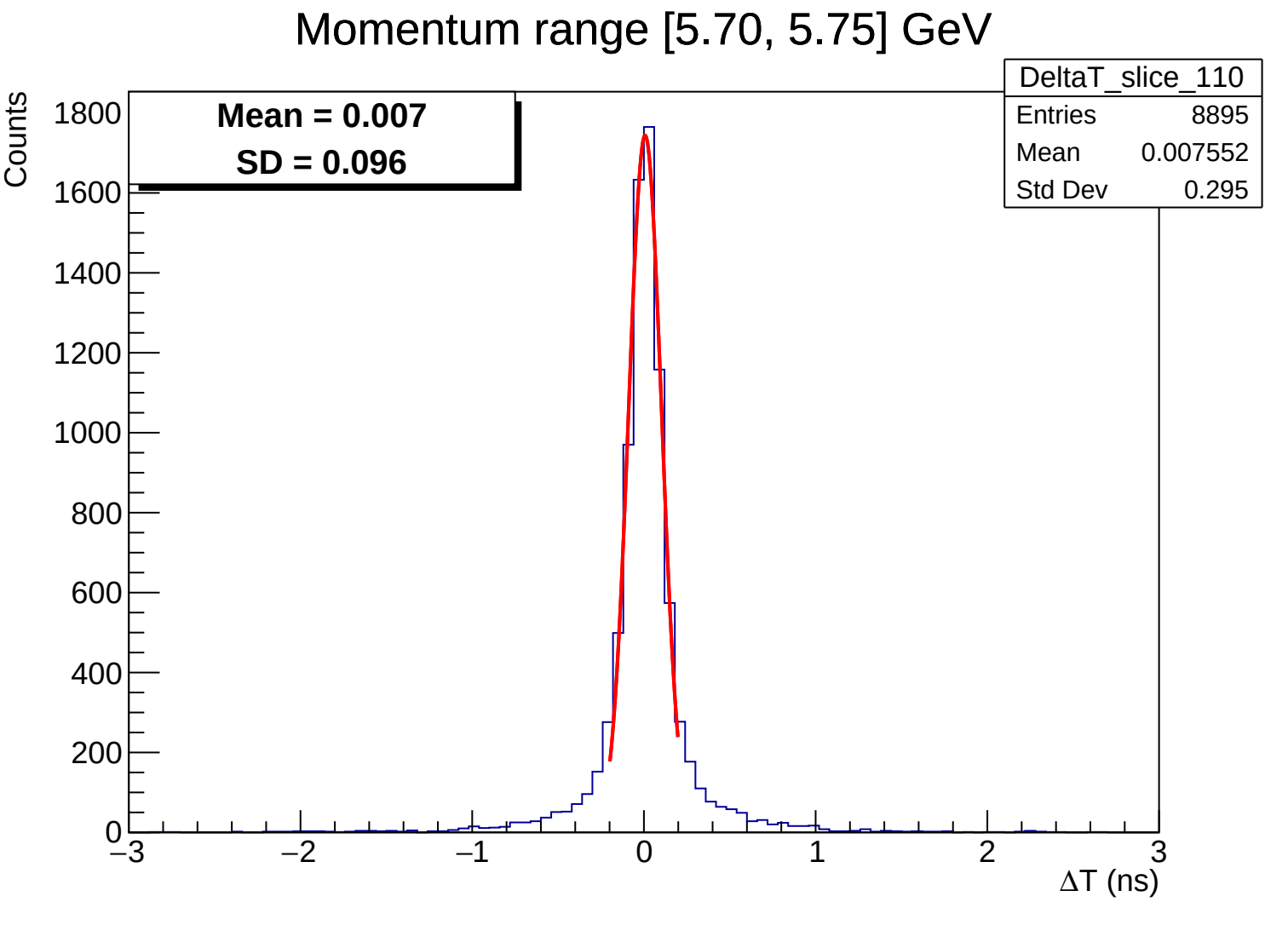

Momentum range [5.45, 5.50] GeV
Mean = 0.008
SD = 0.098
DeltaT_slice_105
Entries 11644
Mean 0.01725
Std Dev 0.3038
Counts
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

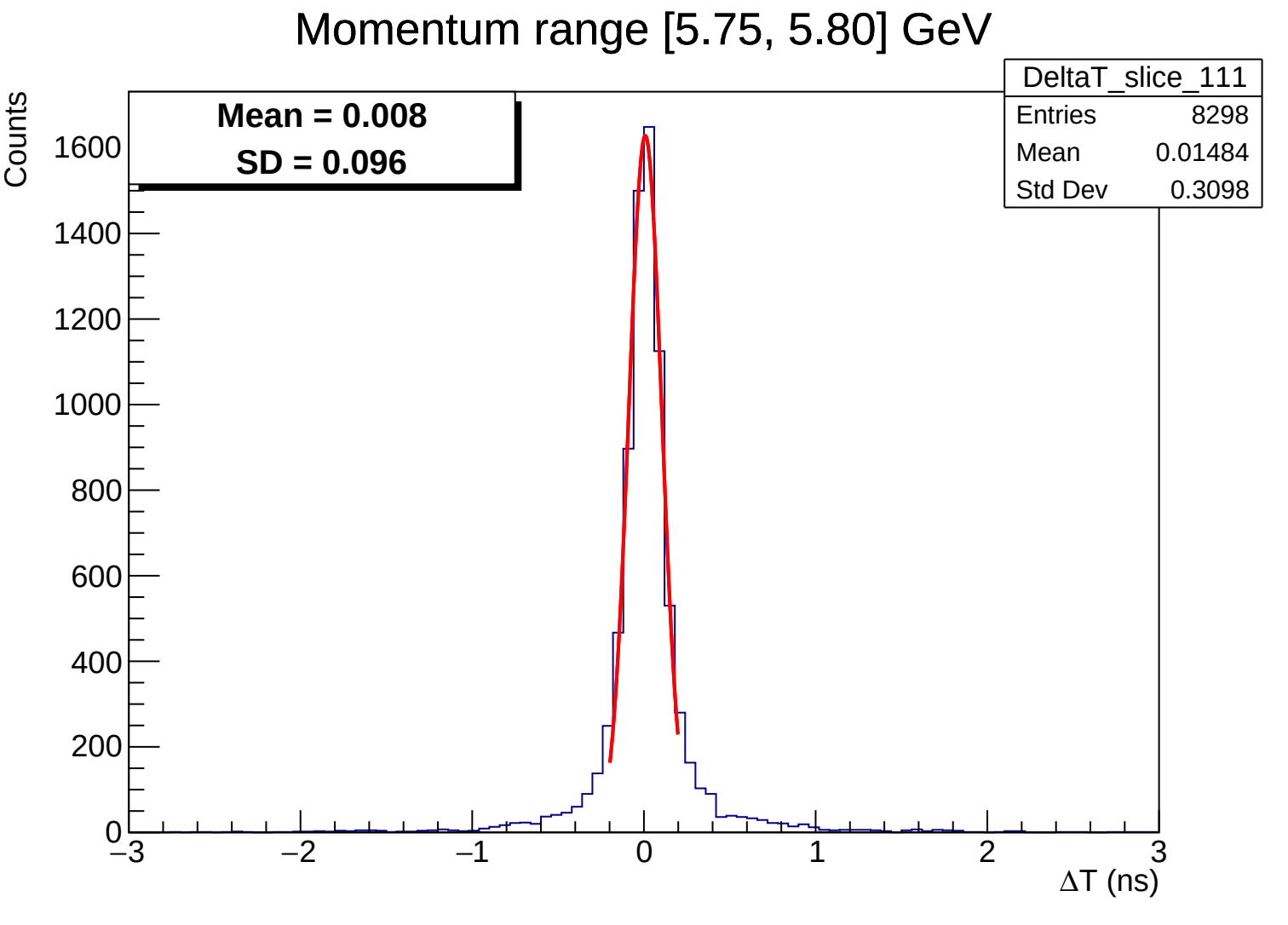

Momentum range [5.50, 5.55] GeV
Mean = 0.011
SD = 0.094
DeltaT_slice_106
Entries 11099
Mean 0.01447
Std Dev 0.2913
Counts
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

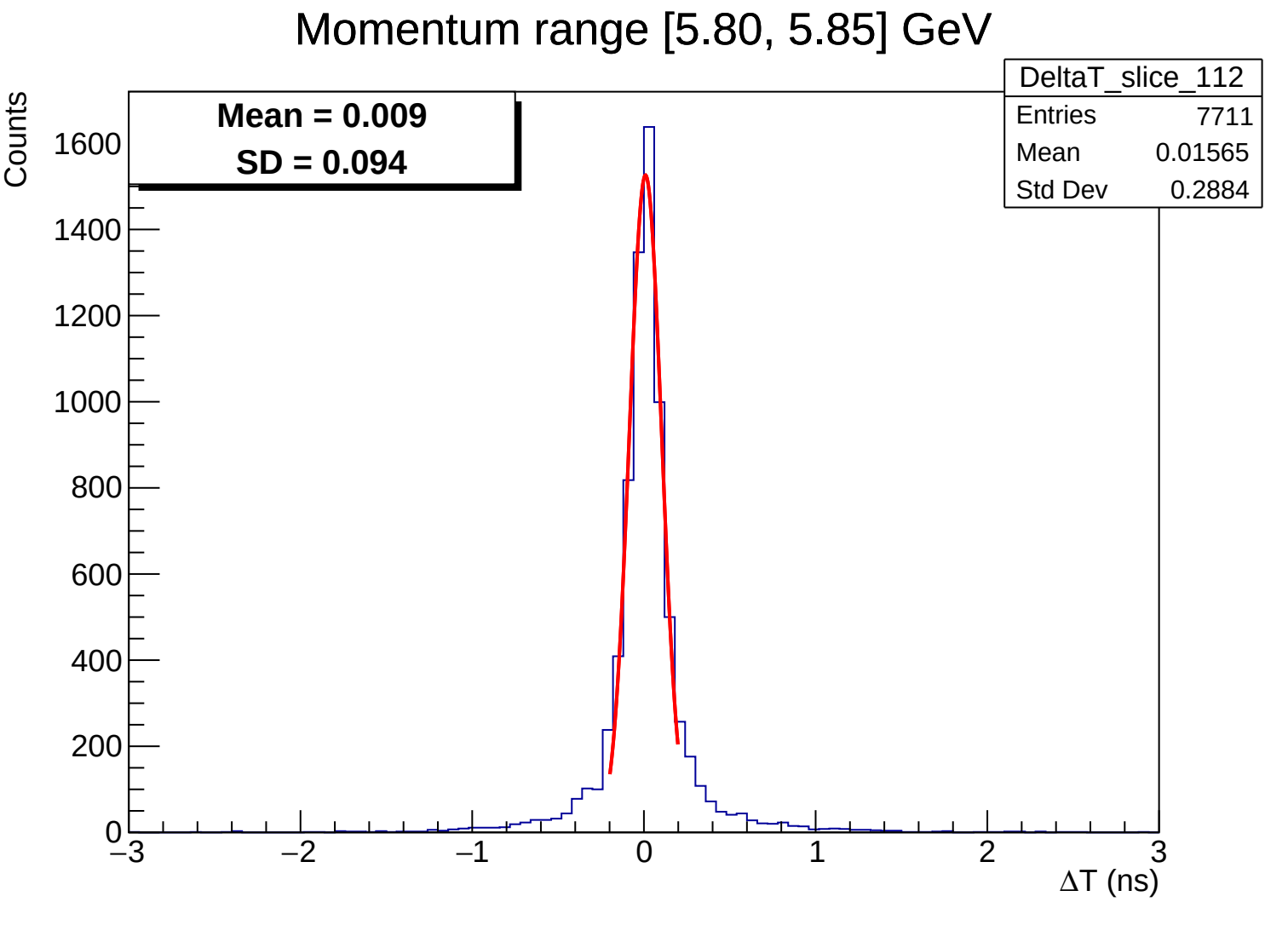

Momentum range [5.55, 5.60] GeV
Mean = 0.008
SD = 0.095
DeltaT_slice_107
Entries 10133
Mean 0.01922
Std Dev 0.2846
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

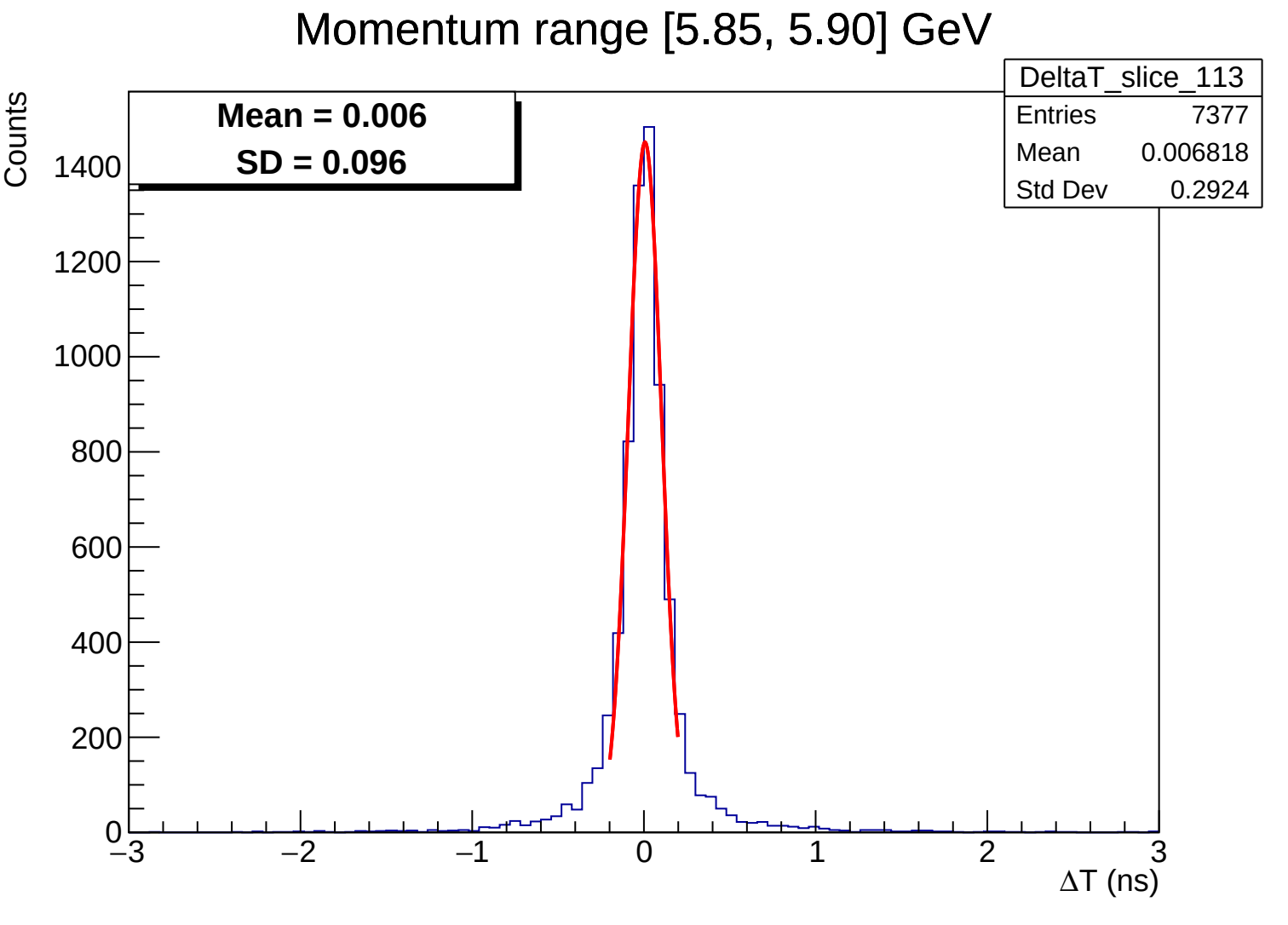

Momentum range [5.60, 5.65] GeV
Mean = 0.009
SD = 0.094
DeltaT_slice_108
Entries 9872
Mean 0.01157
Std Dev 0.2863
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

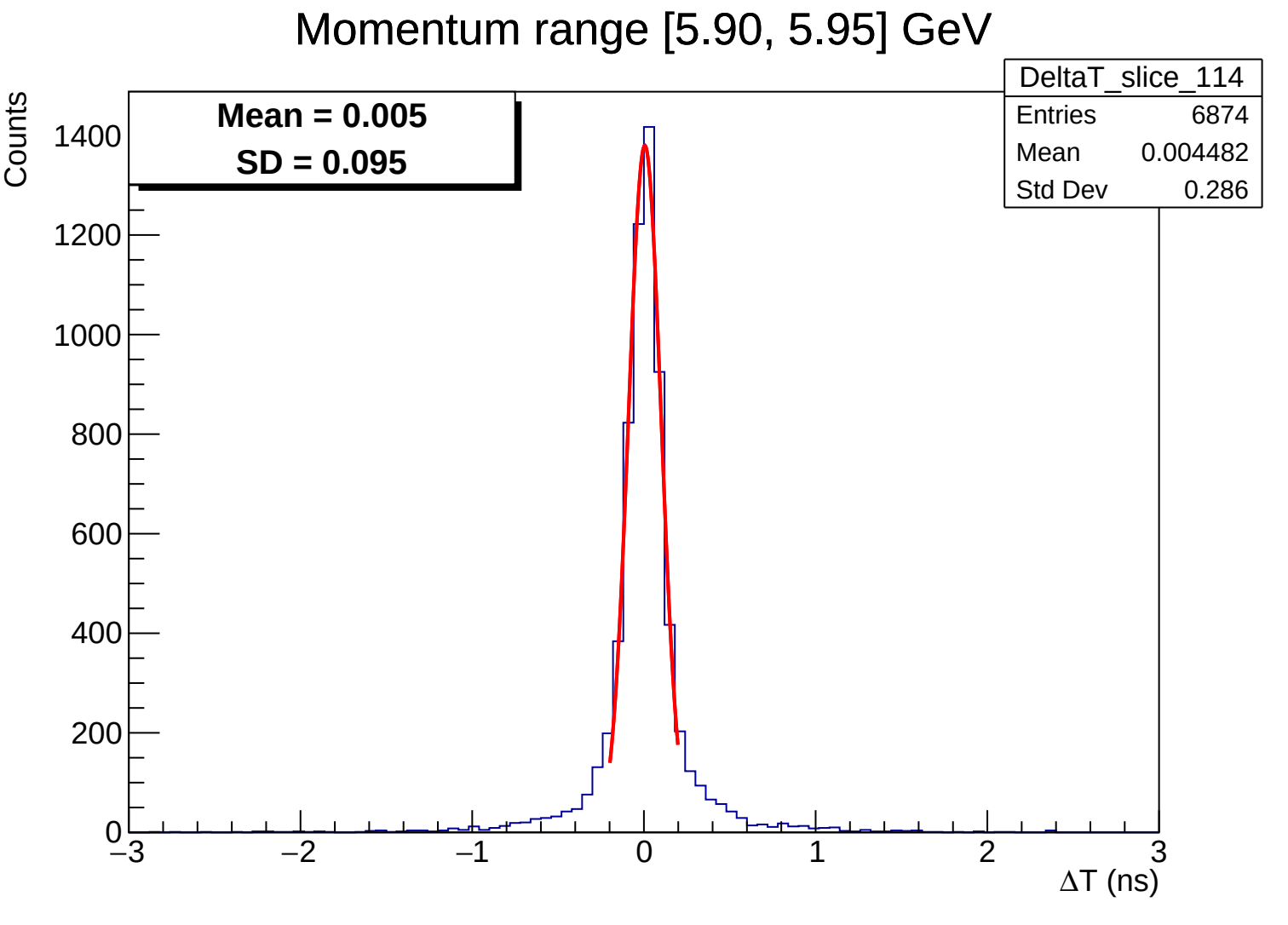

Momentum range [5.65, 5.70] GeV
Mean = 0.008
SD = 0.095
DeltaT_slice_109
Entries 9236
Mean 0.01465
Std Dev 0.2853
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

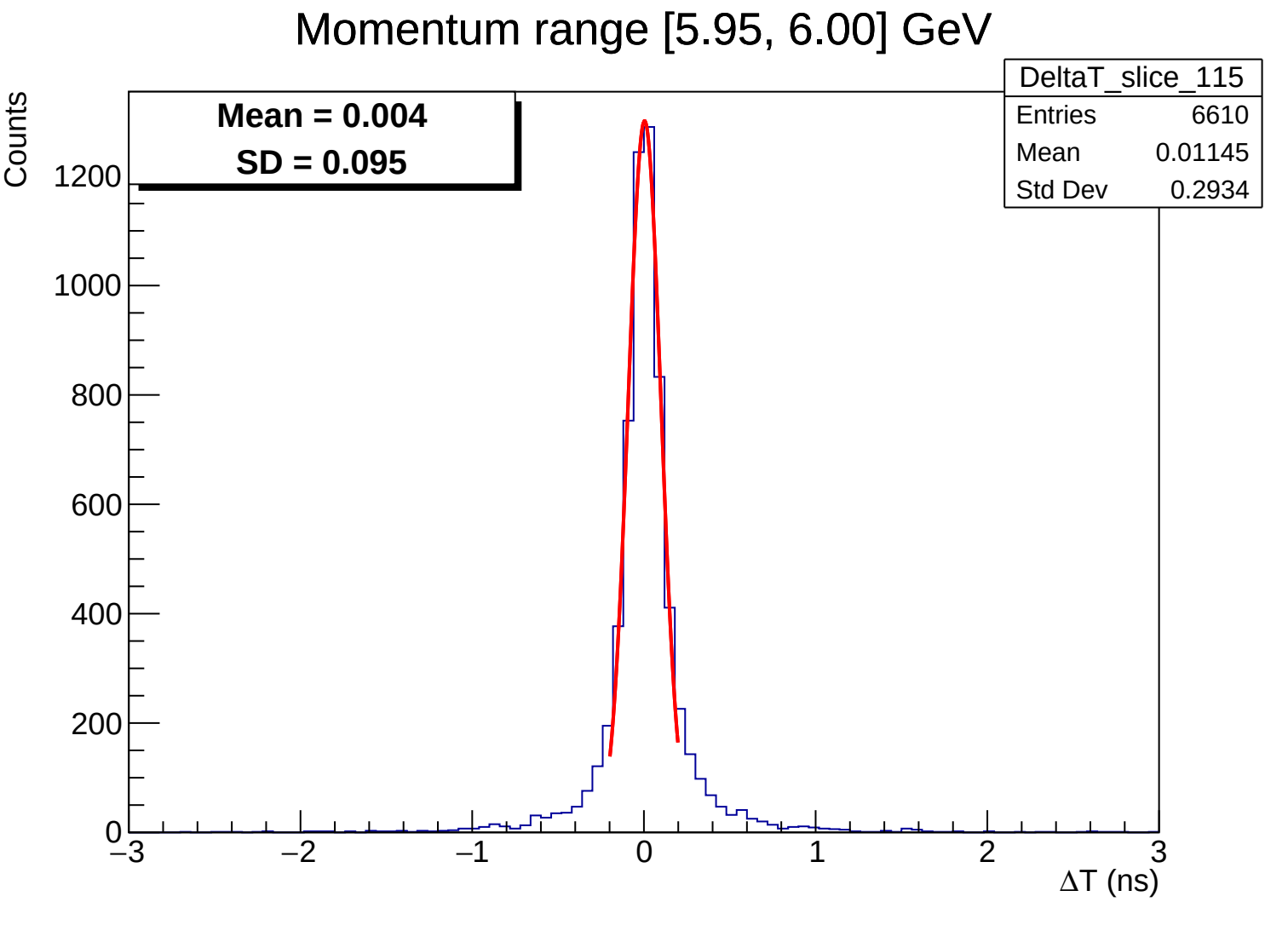

Momentum range [5.70, 5.75] GeV
Mean = 0.007
SD = 0.096
DeltaT_slice_110
Entries 8895
Mean 0.007552
Std Dev 0.295
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

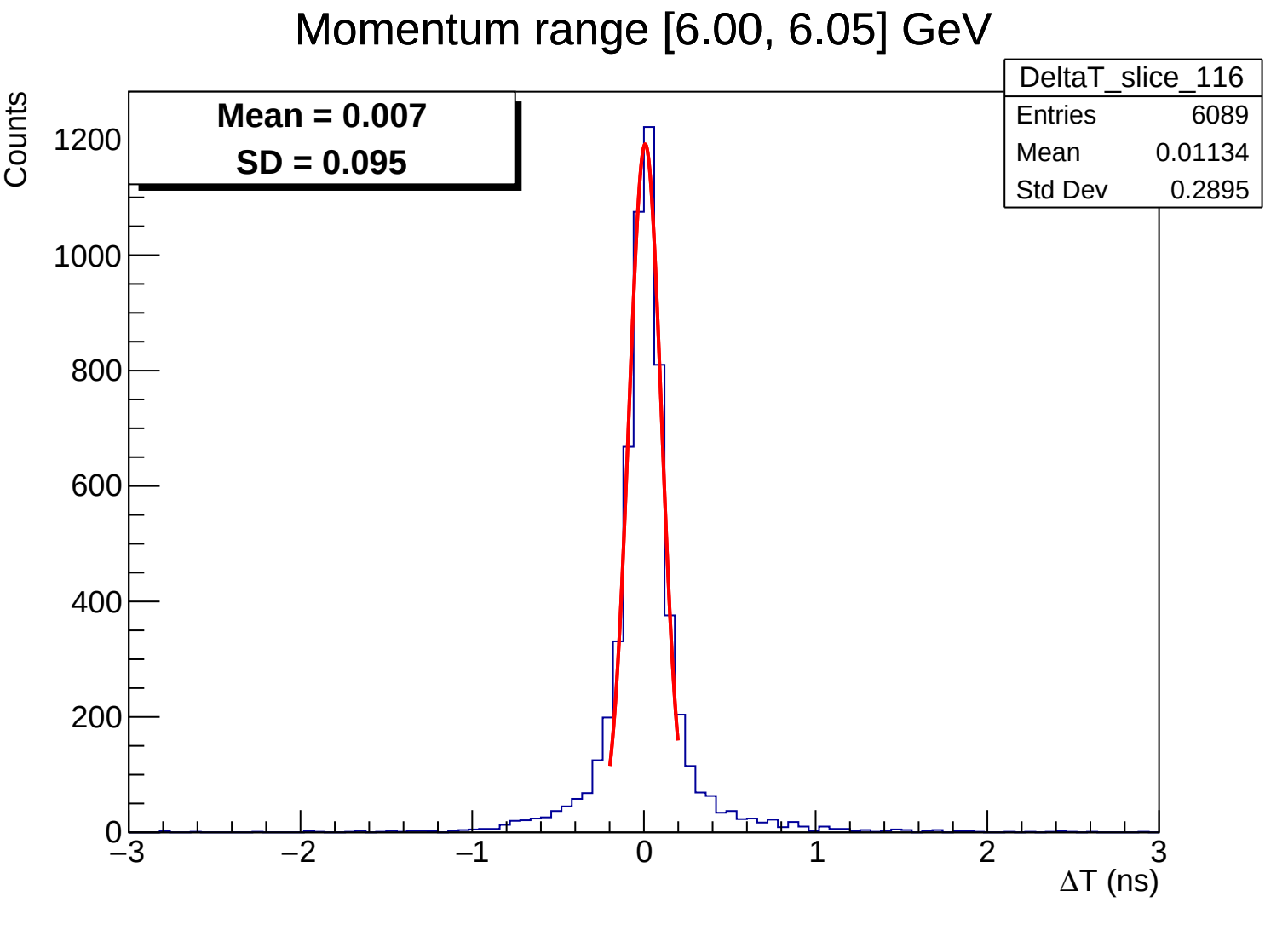

Momentum range [5.75, 5.80] GeV
Mean = 0.008
SD = 0.096
DeltaT_slice_111
Entries 8298
Mean 0.01484
Std Dev 0.3098
Counts
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

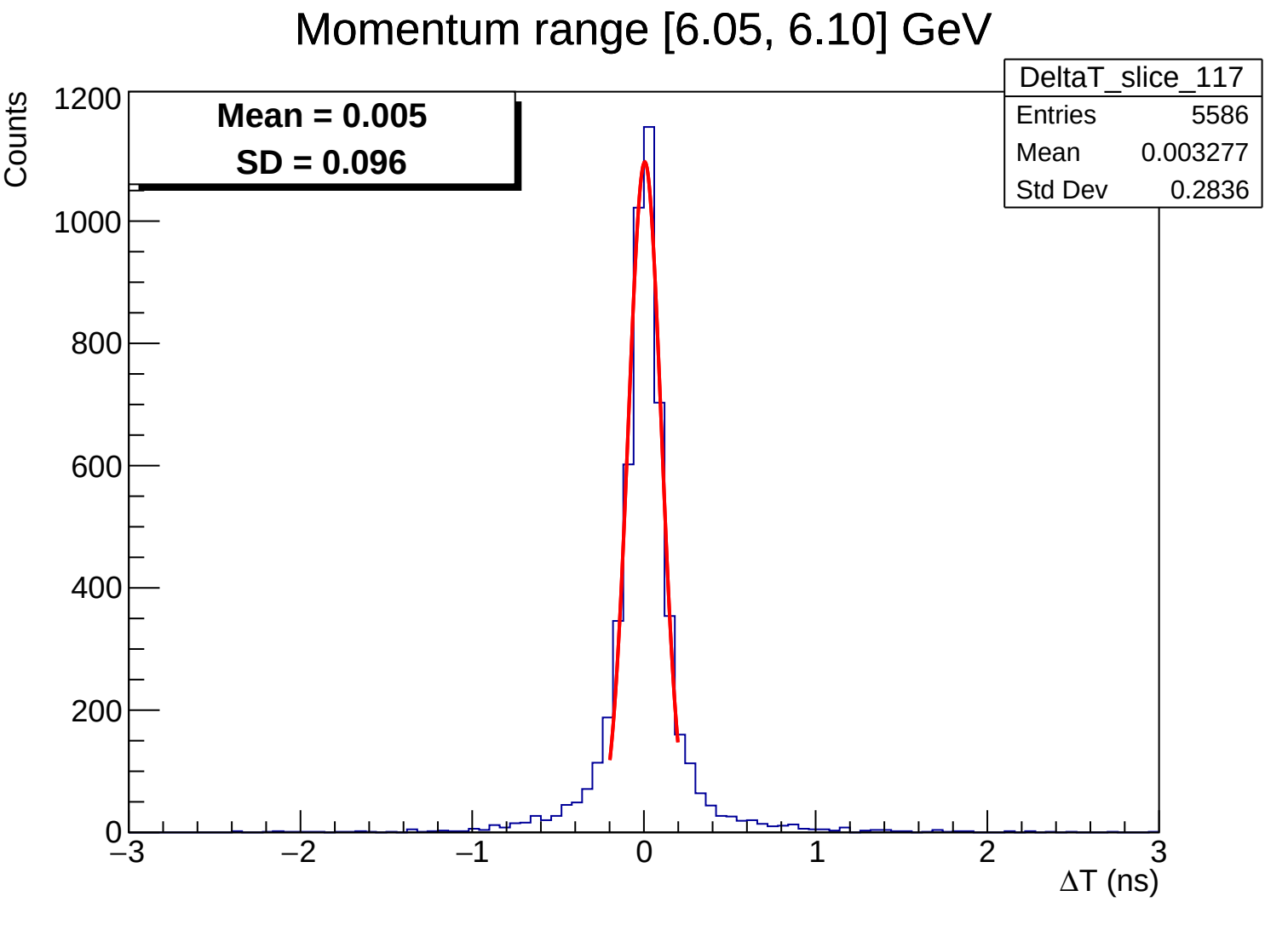

Momentum range [5.80, 5.85] GeV
Mean = 0.009
SD = 0.094
DeltaT_slice_112
Entries 7711
Mean 0.01565
Std Dev 0.2884
Counts
1600
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

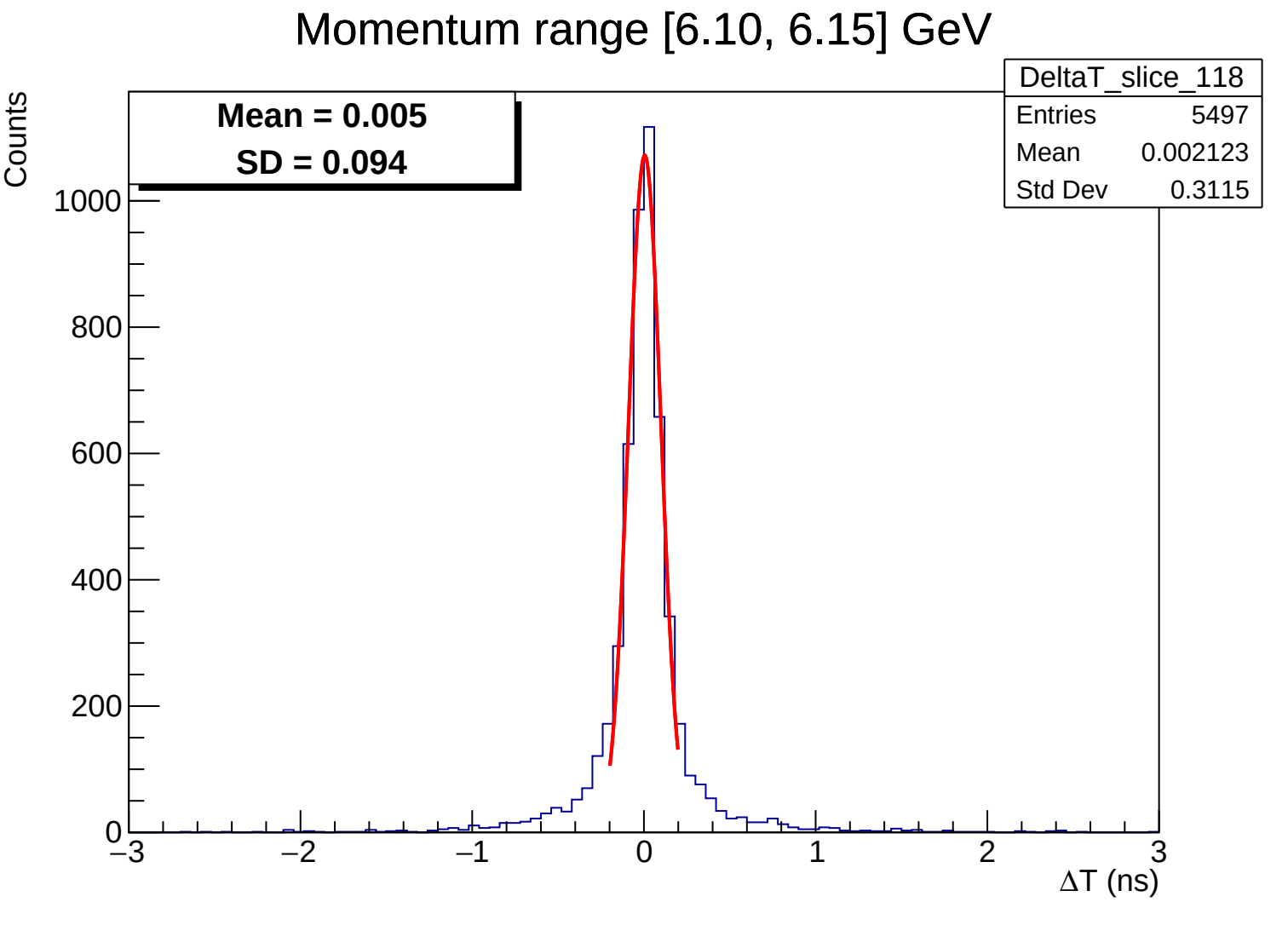

Momentum range [5.85, 5.90] GeV
Mean = 0.006
SD = 0.096
DeltaT_slice_113
Entries 7377
Mean 0.006818
Std Dev 0.2924
Counts
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

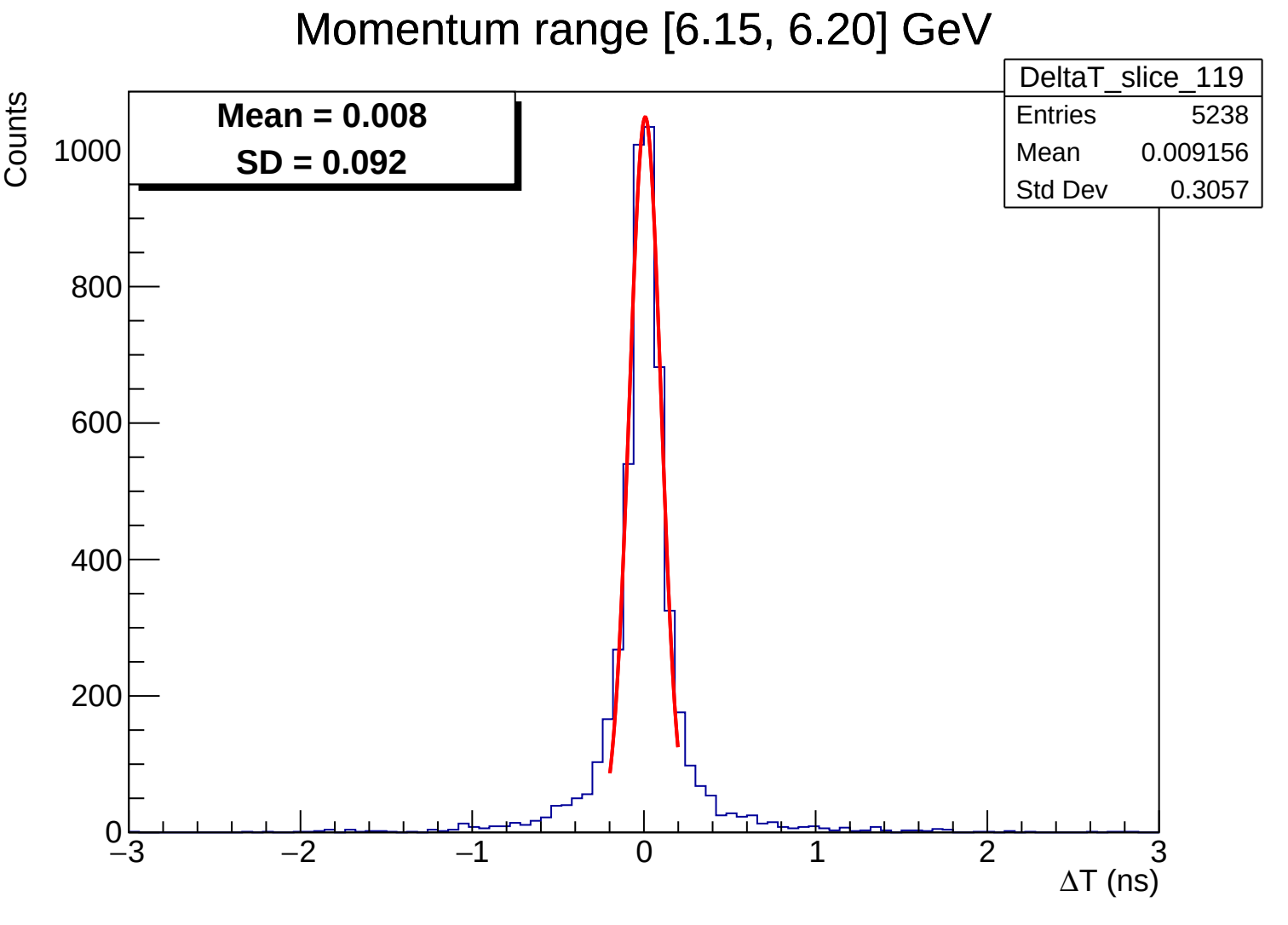

Momentum range [5.90, 5.95] GeV
Mean = 0.005
SD = 0.095
DeltaT_slice_114
Entries 6874
Mean 0.004482
Std Dev 0.286
Counts
1400
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

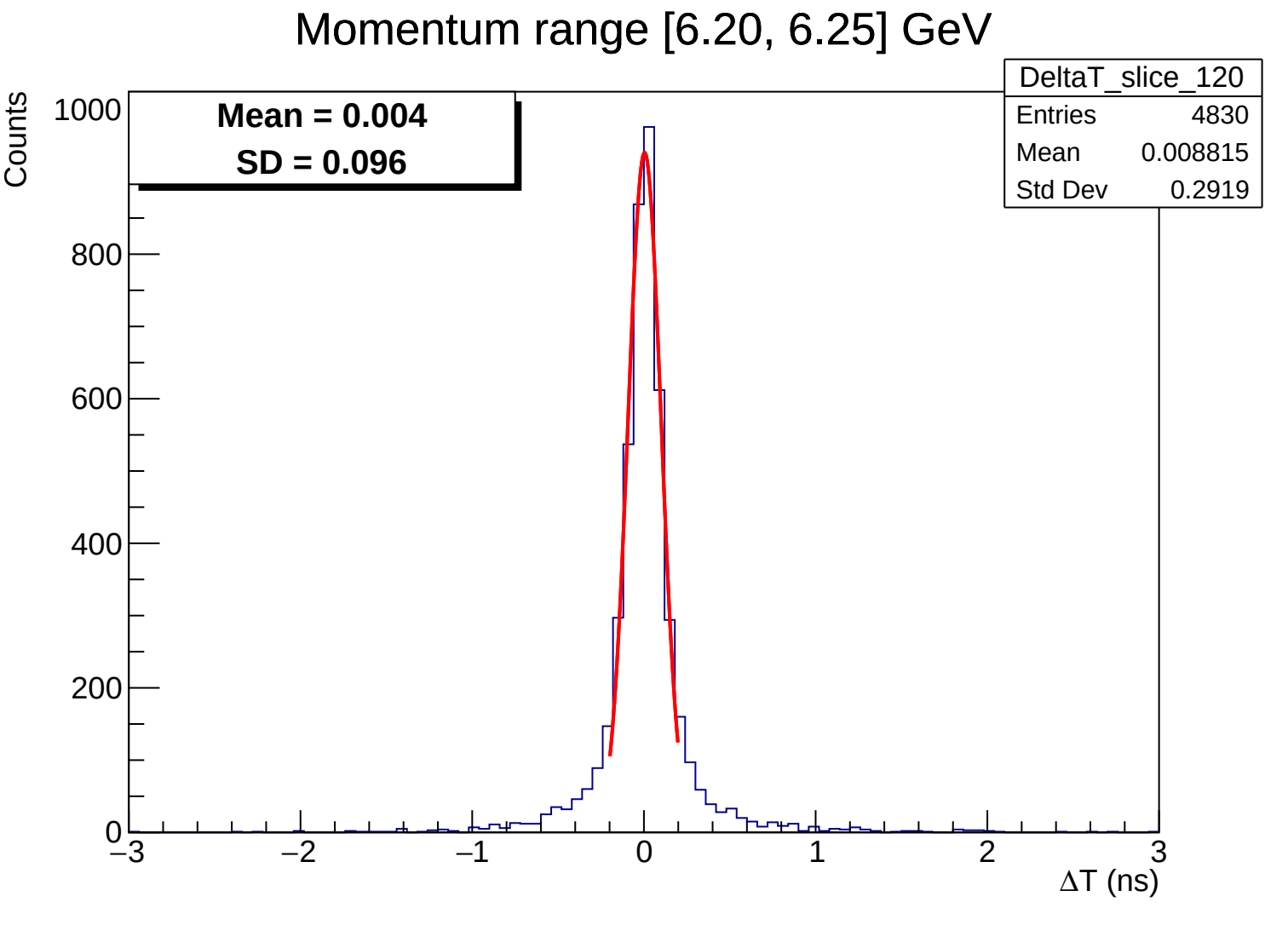

Momentum range [5.95, 6.00] GeV
Mean = 0.004
SD = 0.095
DeltaT_slice_115
Entries 6610
Mean 0.01145
Std Dev 0.2934
Counts
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

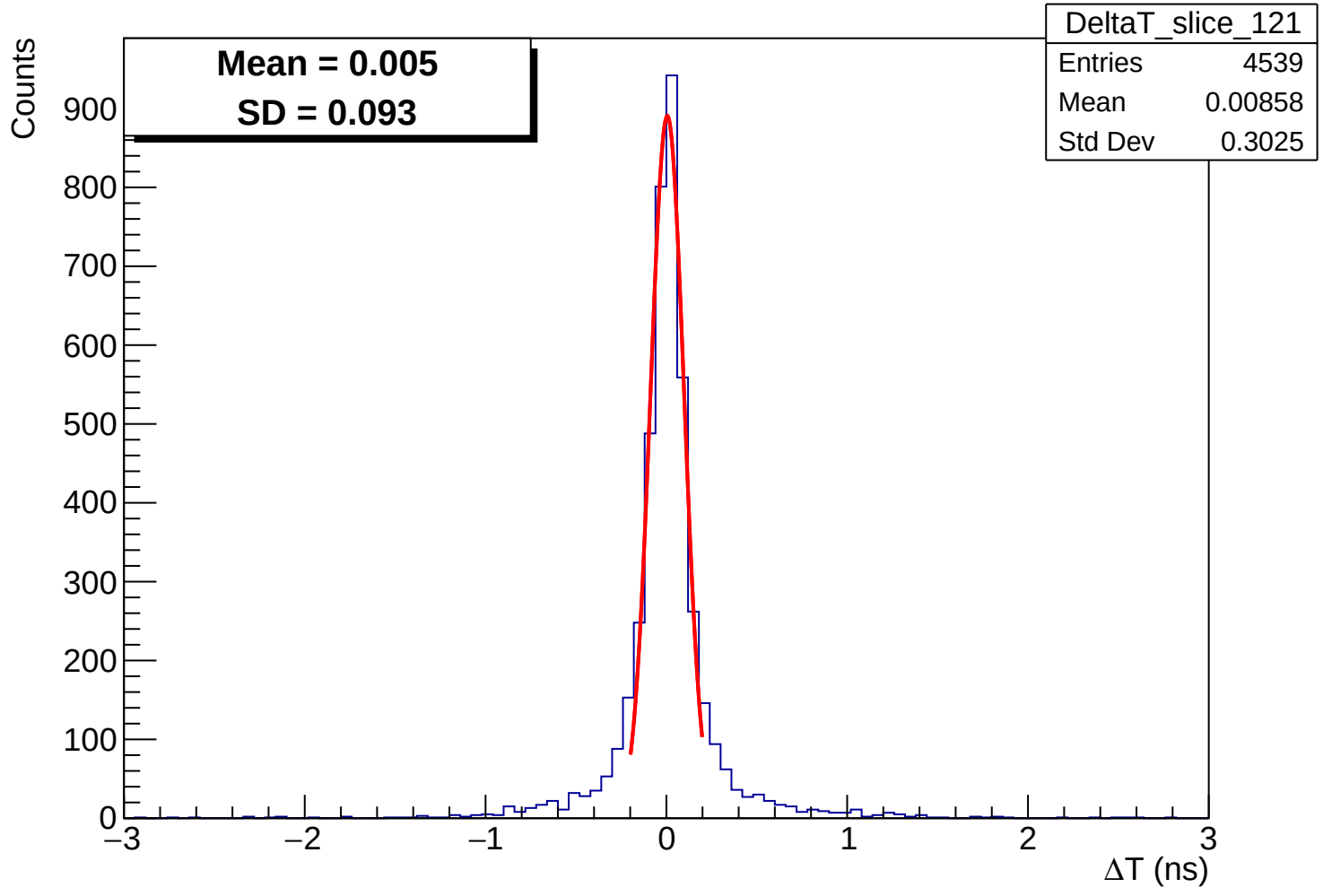

Momentum range [6.00, 6.05] GeV
Mean = 0.007
SD = 0.095
DeltaT_slice_116
Entries 6089
Mean 0.01134
Std Dev 0.2895
Counts
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

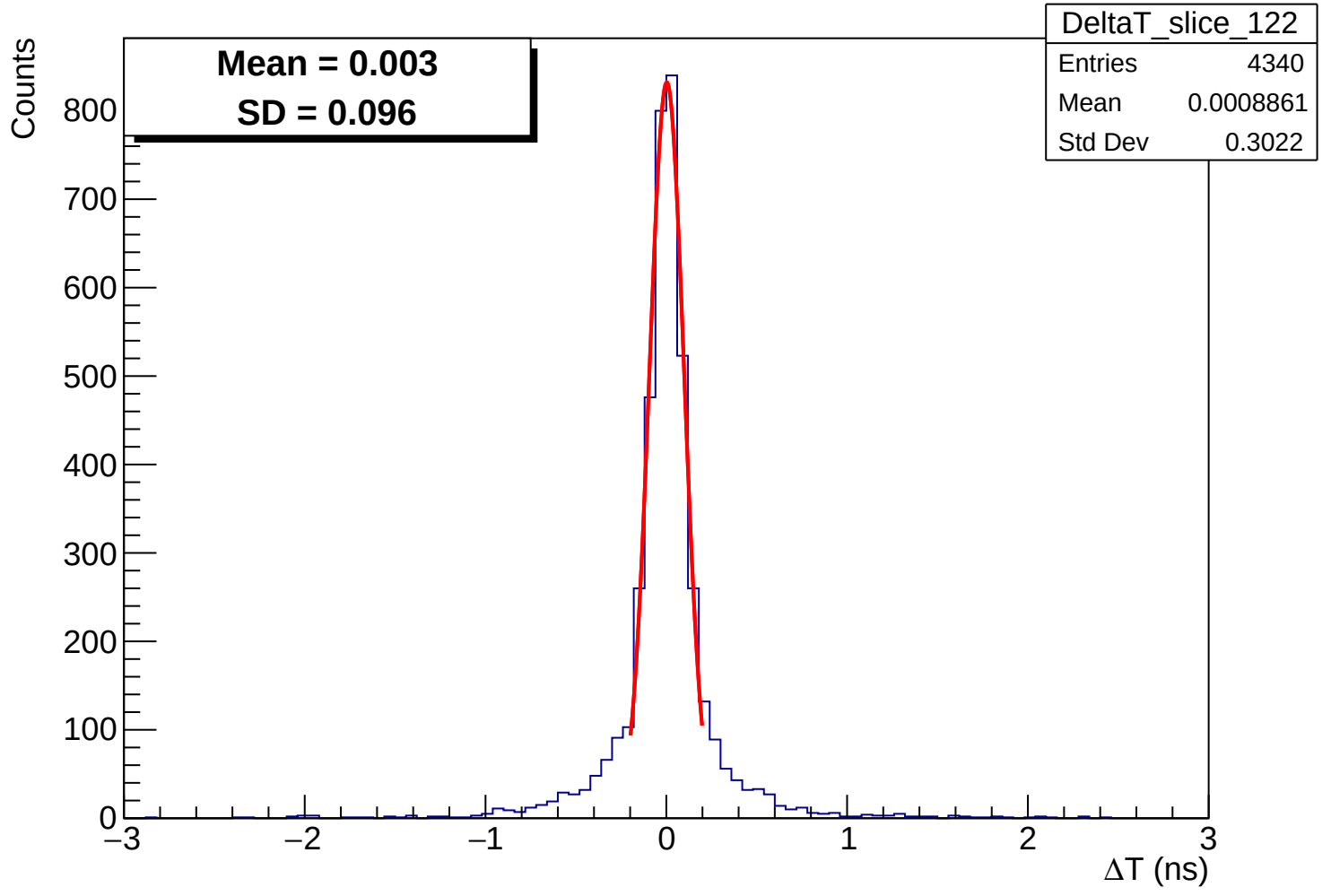

Momentum range [6.05, 6.10] GeV
Mean = 0.005
SD = 0.096
DeltaT_slice_117
Entries 5586
Mean 0.003277
Std Dev 0.2836
Counts
1200
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

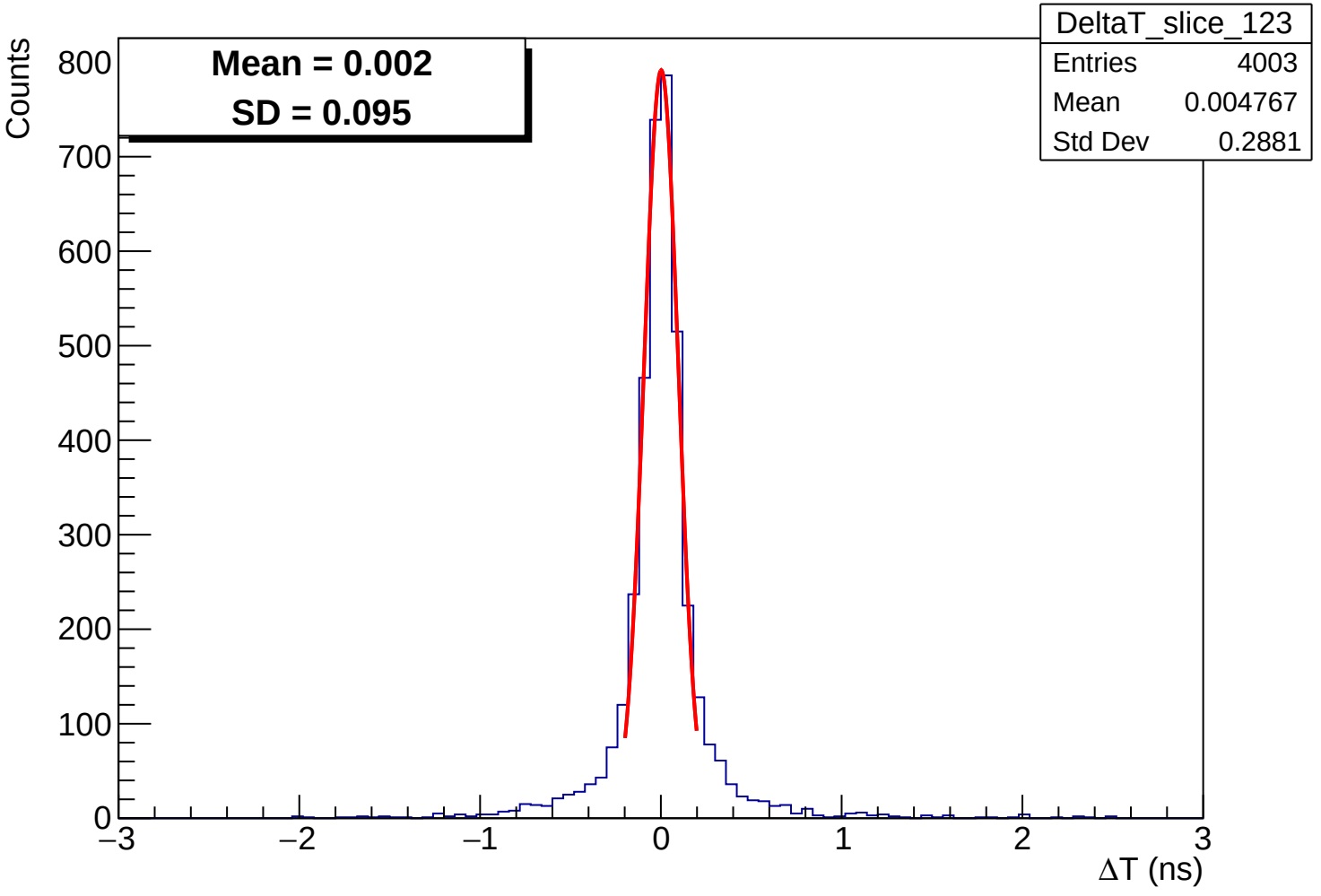

Momentum range [6.10, 6.15] GeV
Mean = 0.005
SD = 0.094
DeltaT_slice_118
Entries 5497
Mean 0.002123
Std Dev 0.3115
Counts
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

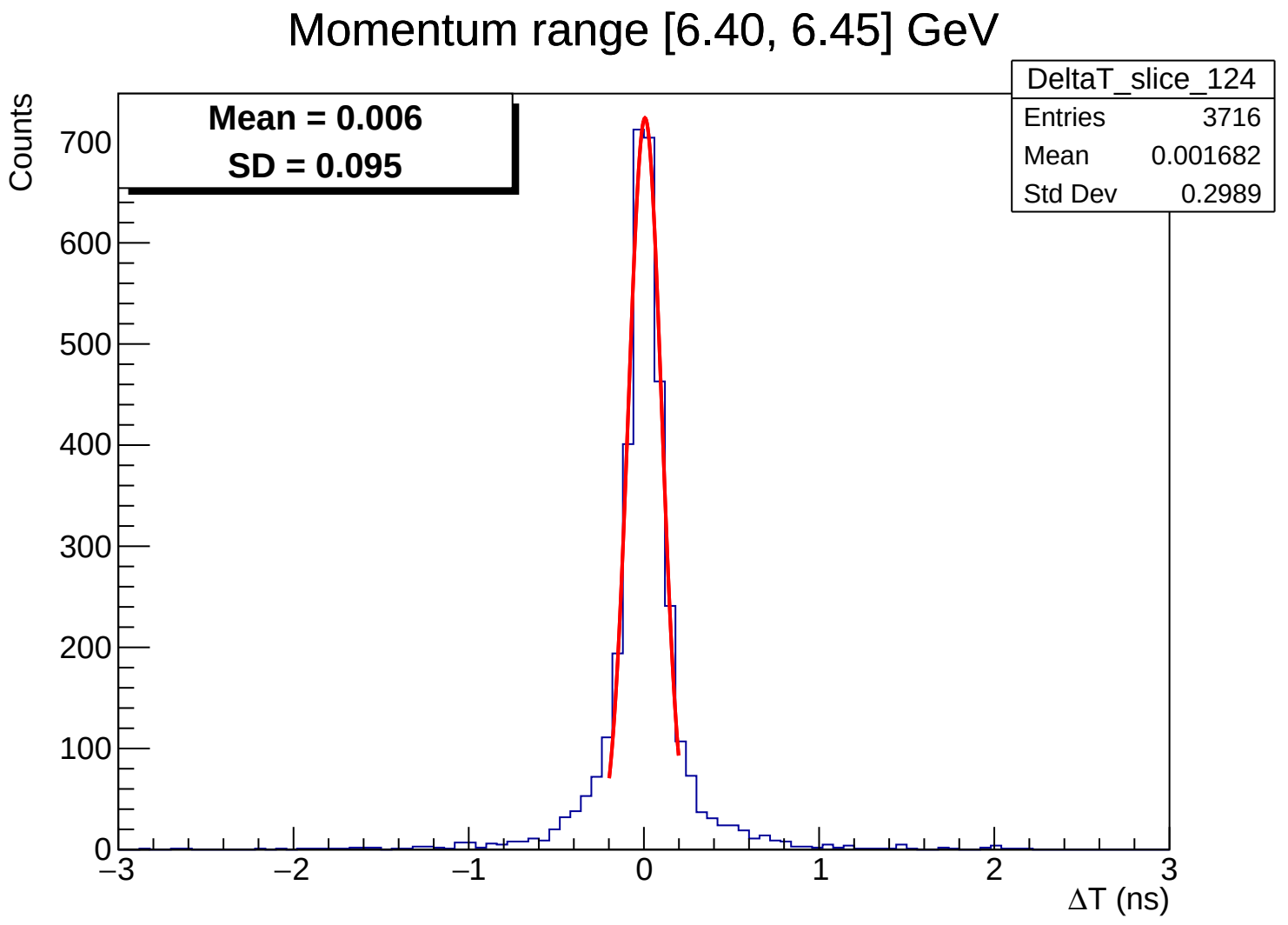

Momentum range [6.15, 6.20] GeV
Mean = 0.008
SD = 0.092
DeltaT_slice_119
Entries 5238
Mean 0.009156
Std Dev 0.3057
Counts
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

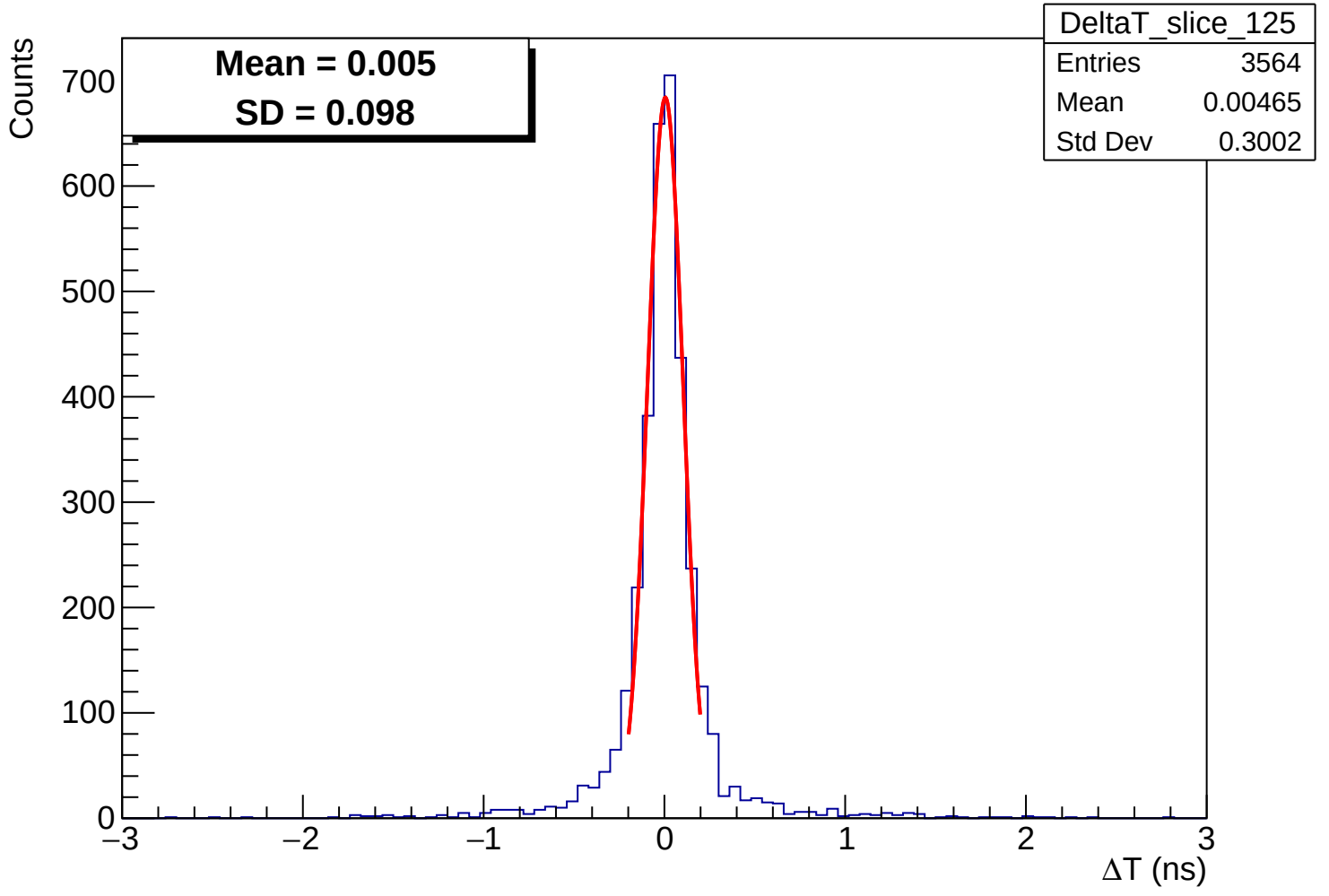

Momentum range [6.20, 6.25] GeV
DeltaT_slice_120
Entries 4830
Mean 0.008815
Std Dev 0.2919
Mean = 0.004
SD = 0.096
Counts
1000
800
600
400
200
0
−3
−2
−1
0
1
2
3
ΔT (ns)

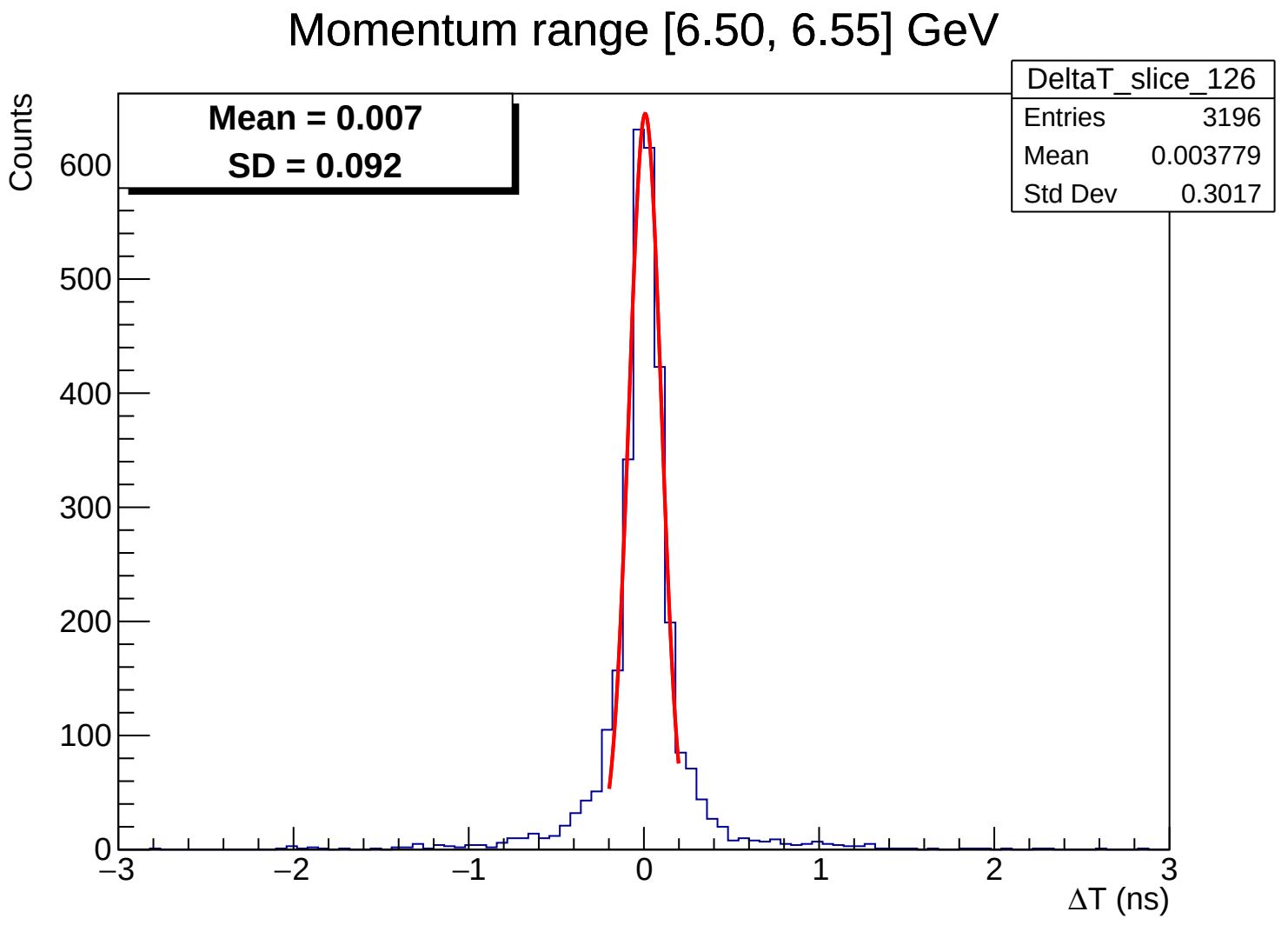

Momentum range [6.25, 6.30] GeV
Mean = 0.005
SD = 0.093
DeltaT_slice_121
Entries 4539
Mean 0.00858
Std Dev 0.3025
Counts
900
800
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

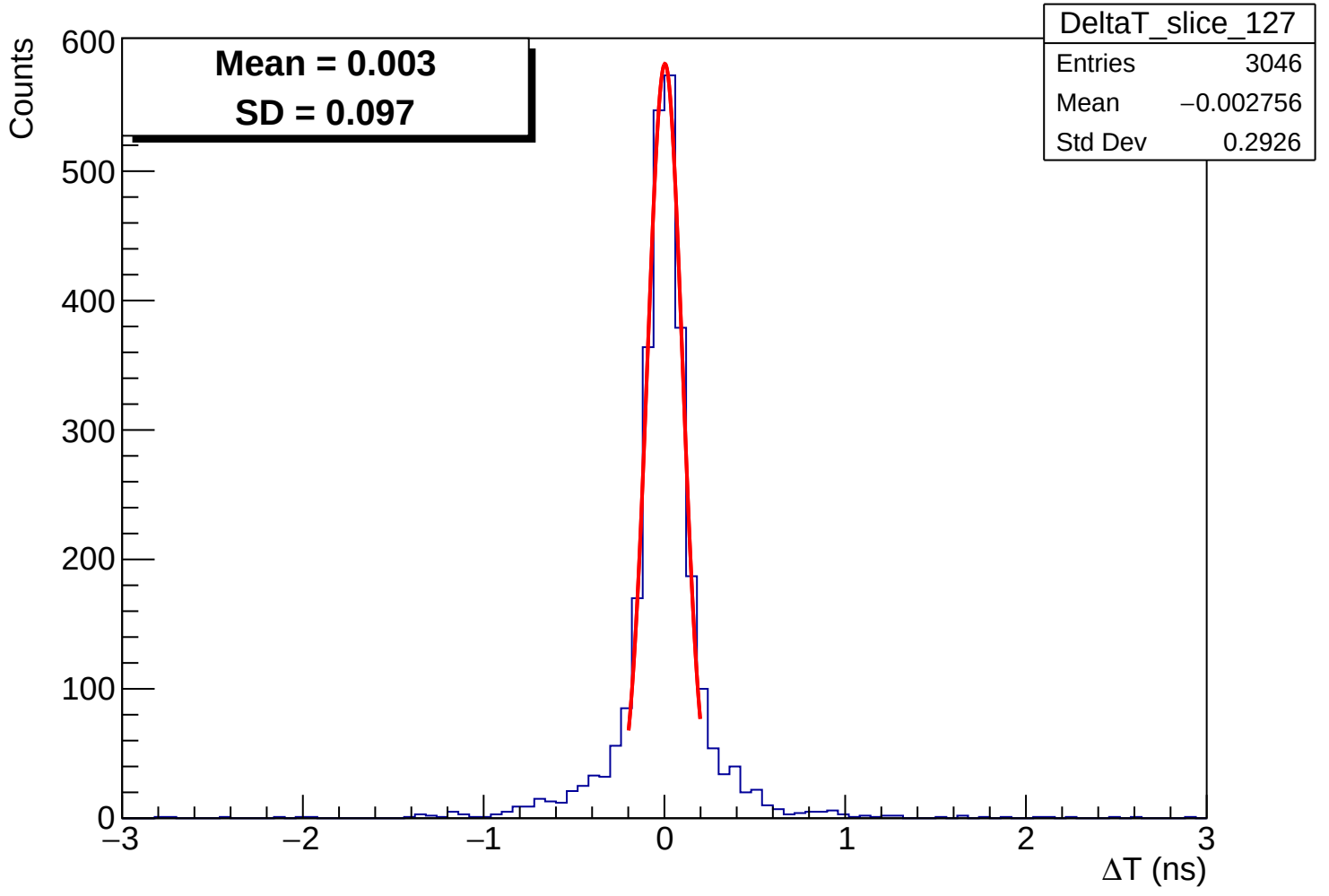

Momentum range [6.30, 6.35] GeV
Mean = 0.003
SD = 0.096
DeltaT_slice_122
Entries 4340
Mean 0.0008861
Std Dev 0.3022
Counts
800
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

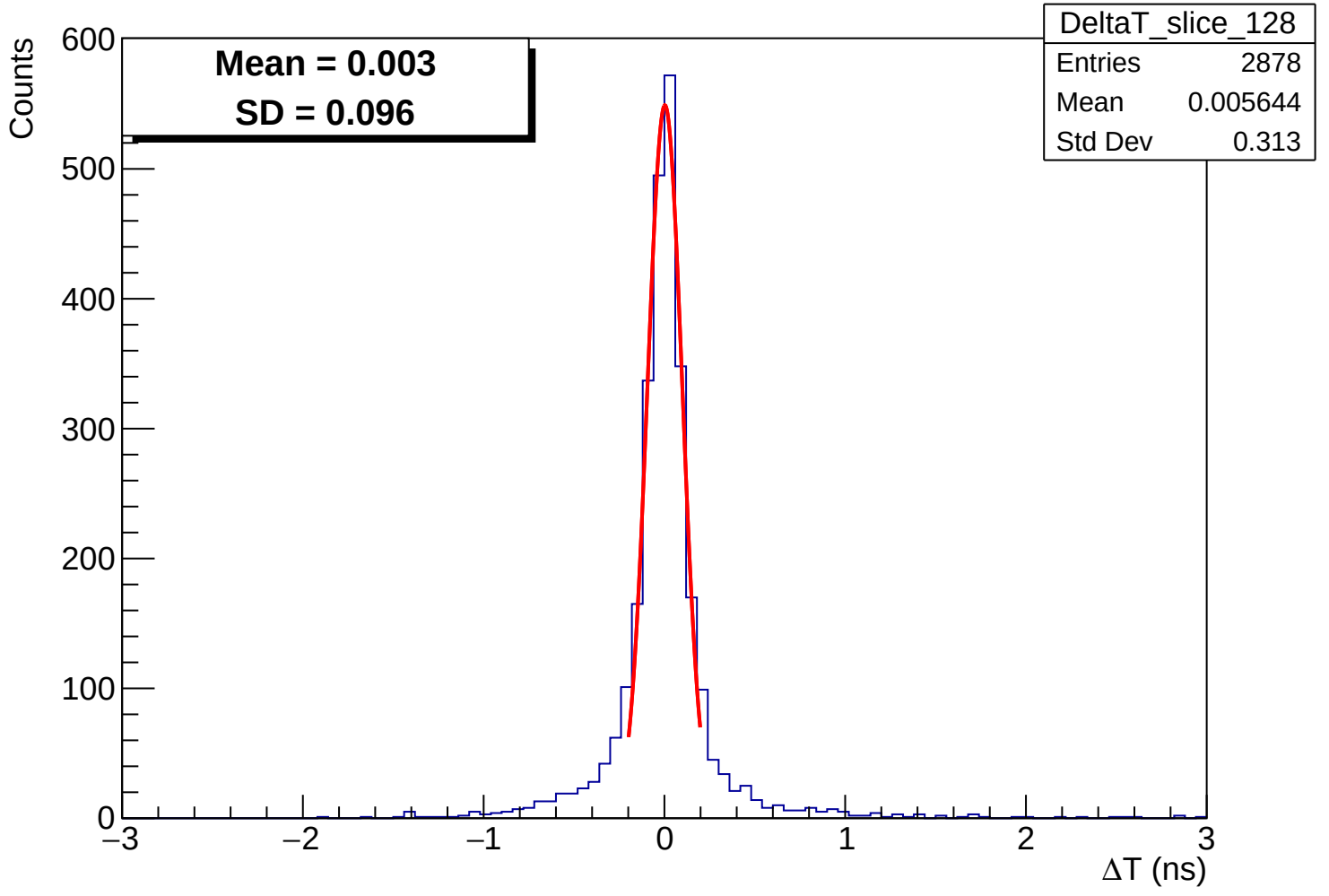

Momentum range [6.35, 6.40] GeV
Mean = 0.002
SD = 0.095
DeltaT_slice_123
Entries 4003
Mean 0.004767
Std Dev 0.2881
Counts
800
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

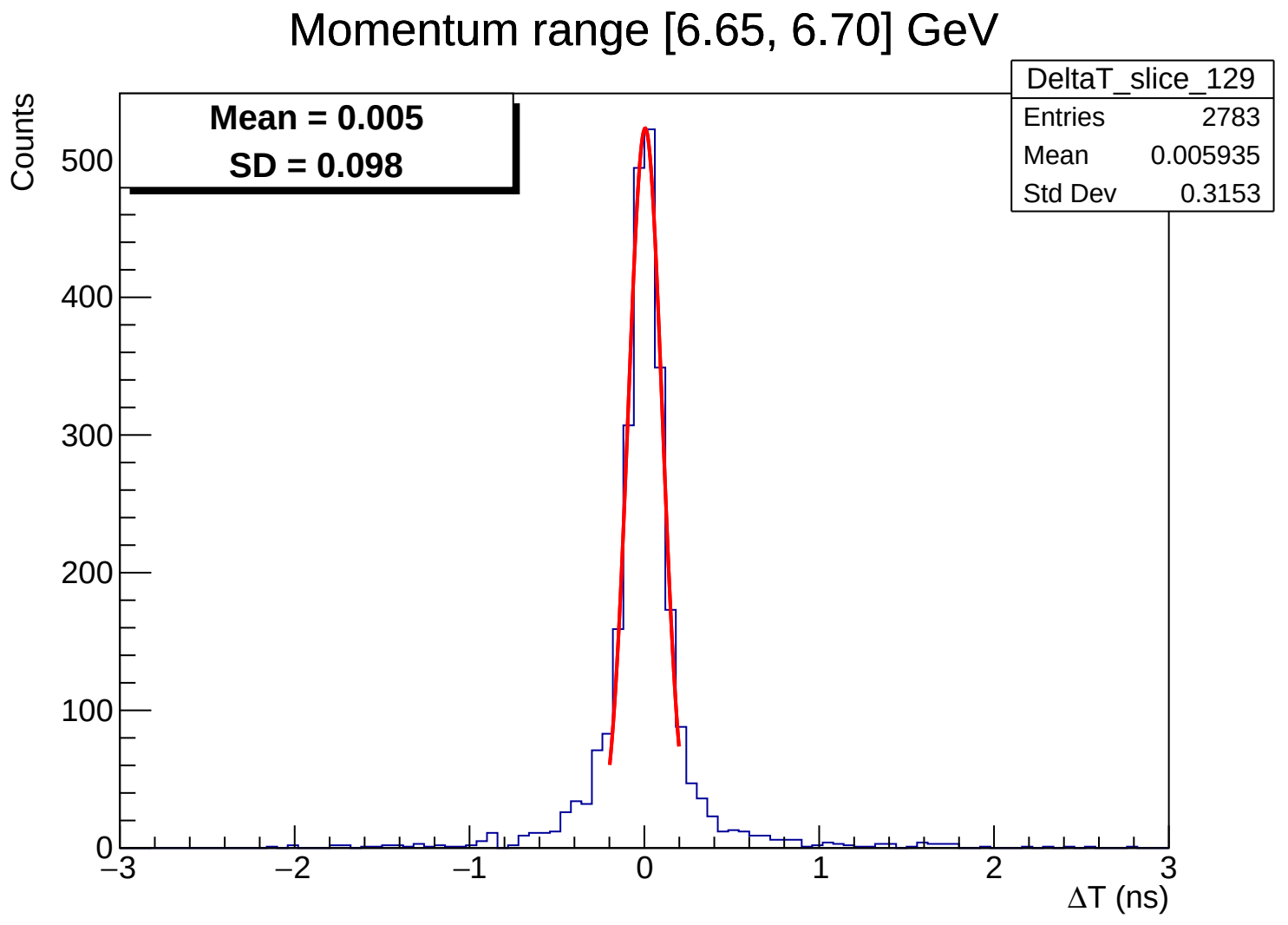

Momentum range [6.40, 6.45] GeV
Mean = 0.006
SD = 0.095
DeltaT_slice_124
Entries 3716
Mean 0.001682
Std Dev 0.2989
Counts
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

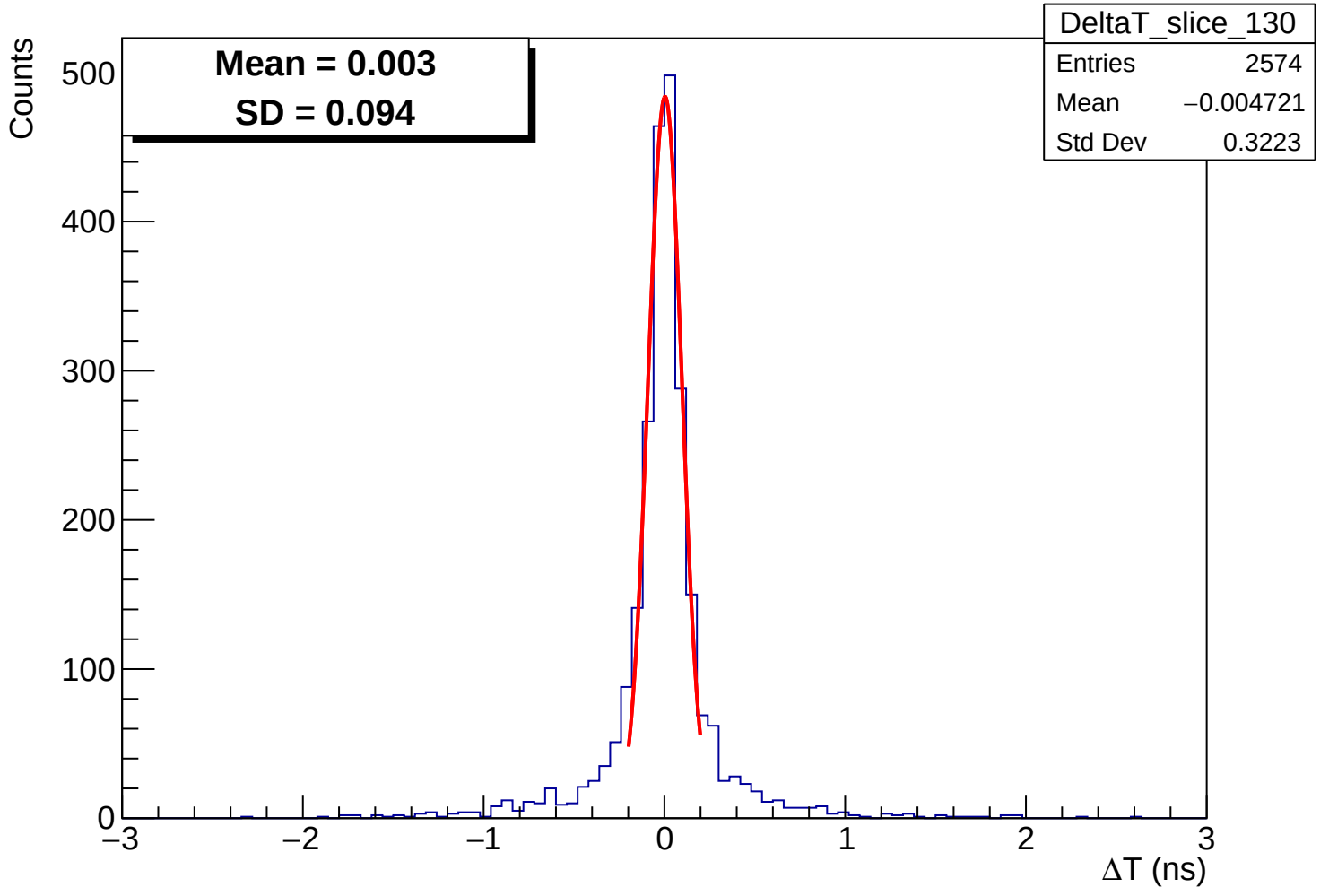

Momentum range [6.45, 6.50] GeV
Mean = 0.005
SD = 0.098
DeltaT_slice_125
Entries 3564
Mean 0.00465
Std Dev 0.3002
Counts
700
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

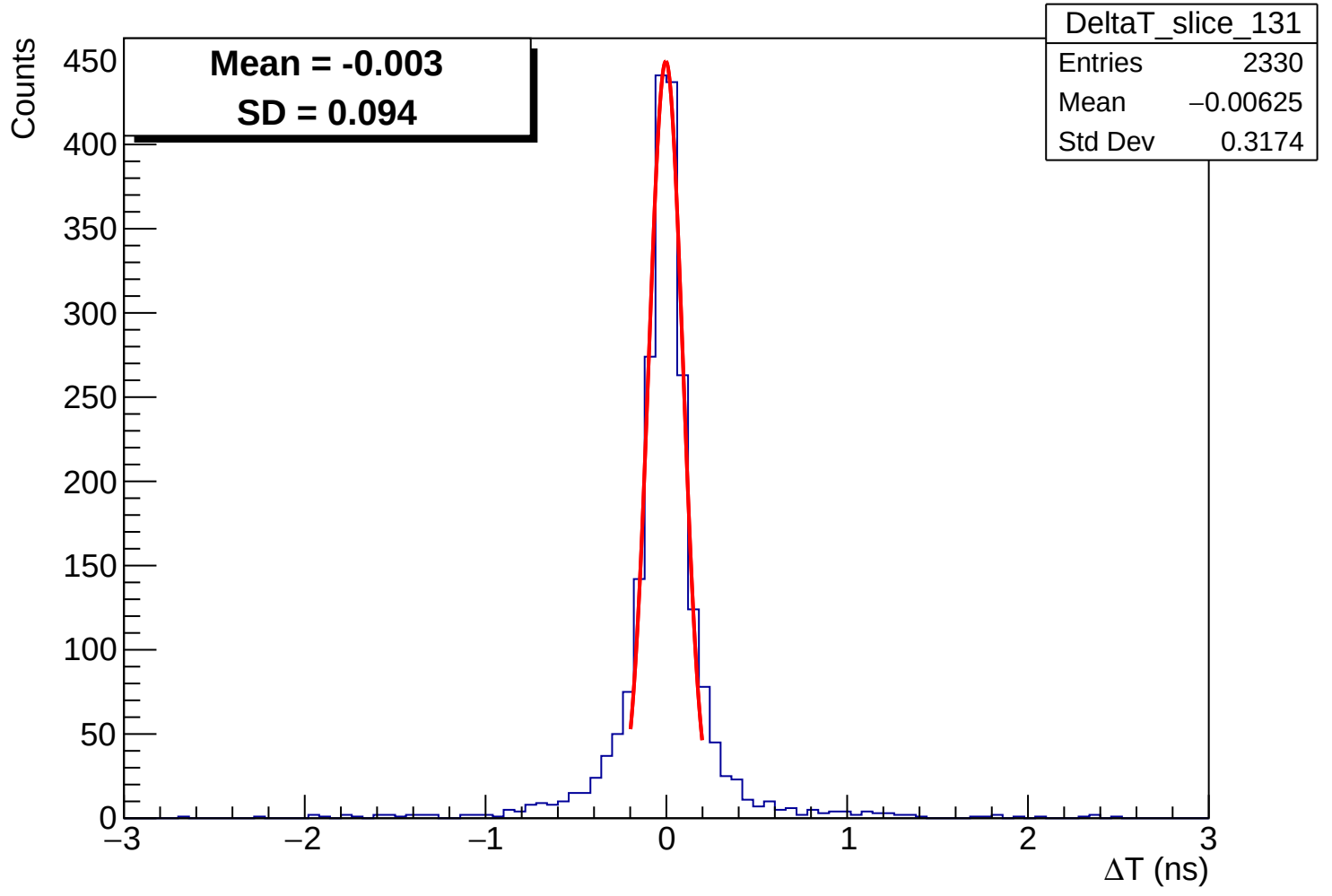

Momentum range [6.50, 6.55] GeV
Mean = 0.007
SD = 0.092
DeltaT_slice_126
Entries 3196
Mean 0.003779
Std Dev 0.3017
Counts
0
100
200
300
400
500
600
−3
−2
−1
0
1
2
3
ΔT (ns)

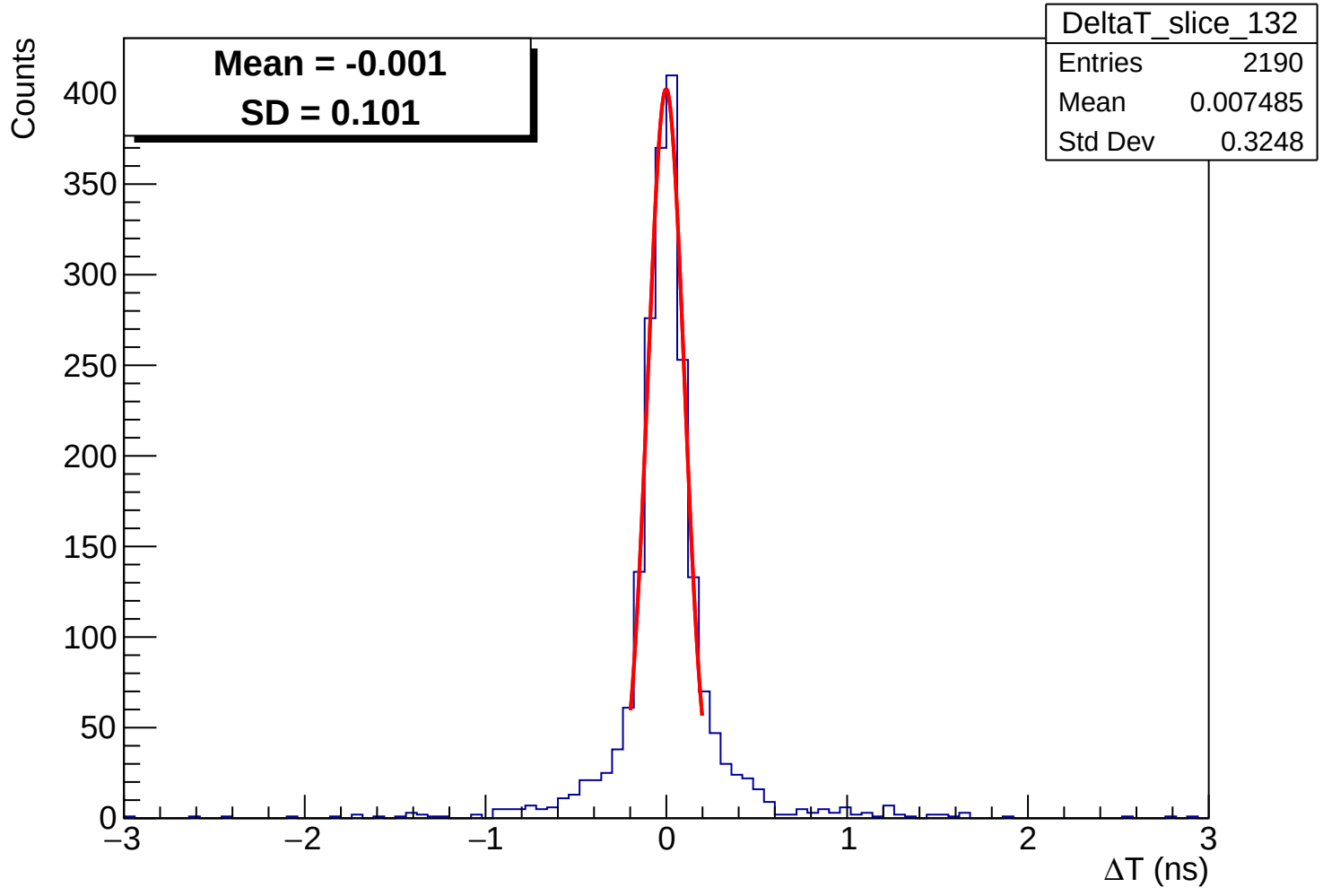

Momentum range [6.55, 6.60] GeV
Mean = 0.003
SD = 0.097
DeltaT_slice_127
Entries 3046
Mean −0.002756
Std Dev 0.2926
Counts
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

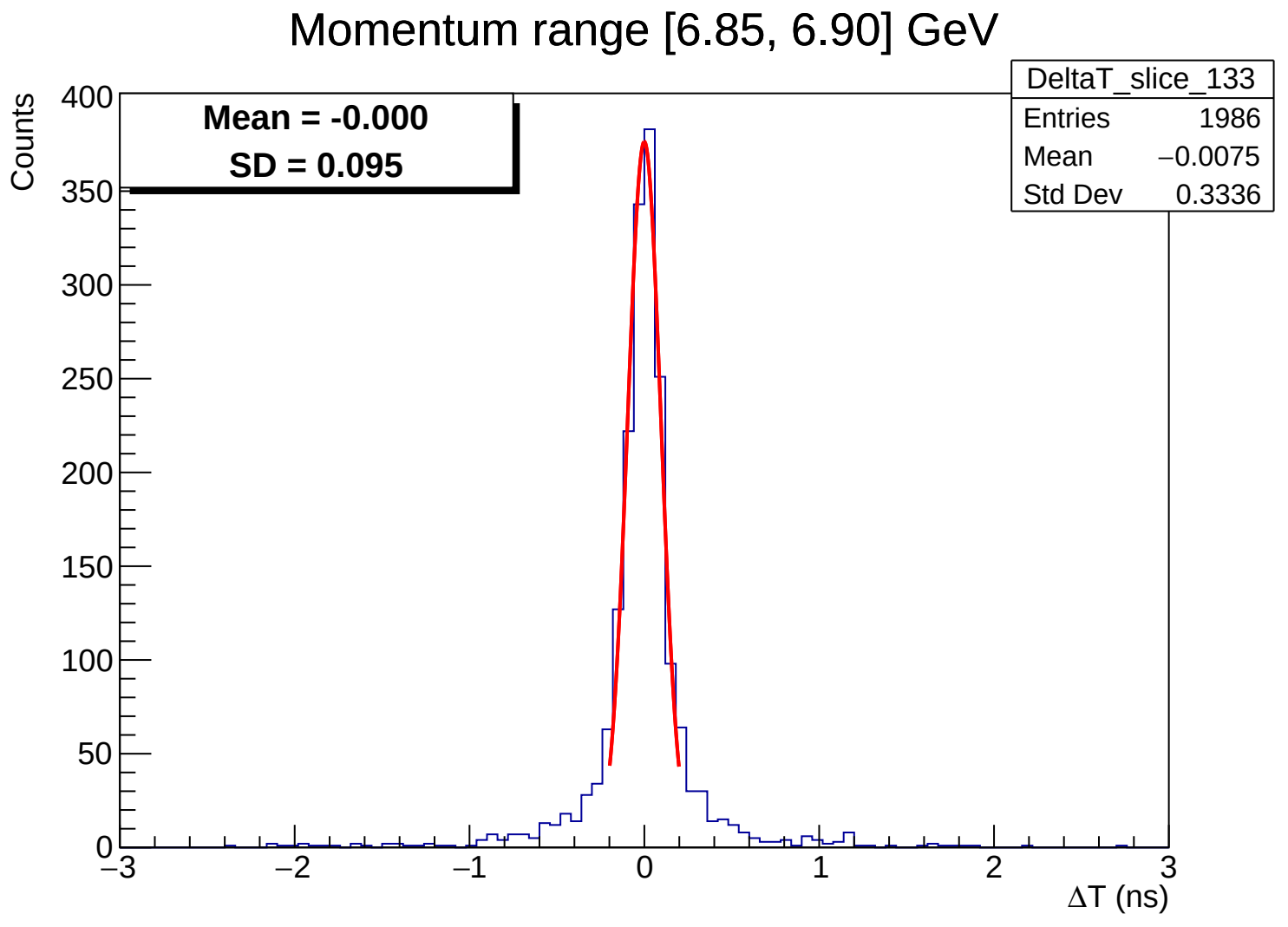

Momentum range [6.60, 6.65] GeV
Mean = 0.003
SD = 0.096
DeltaT_slice_128
Entries 2878
Mean 0.005644
Std Dev 0.313
Counts
600
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

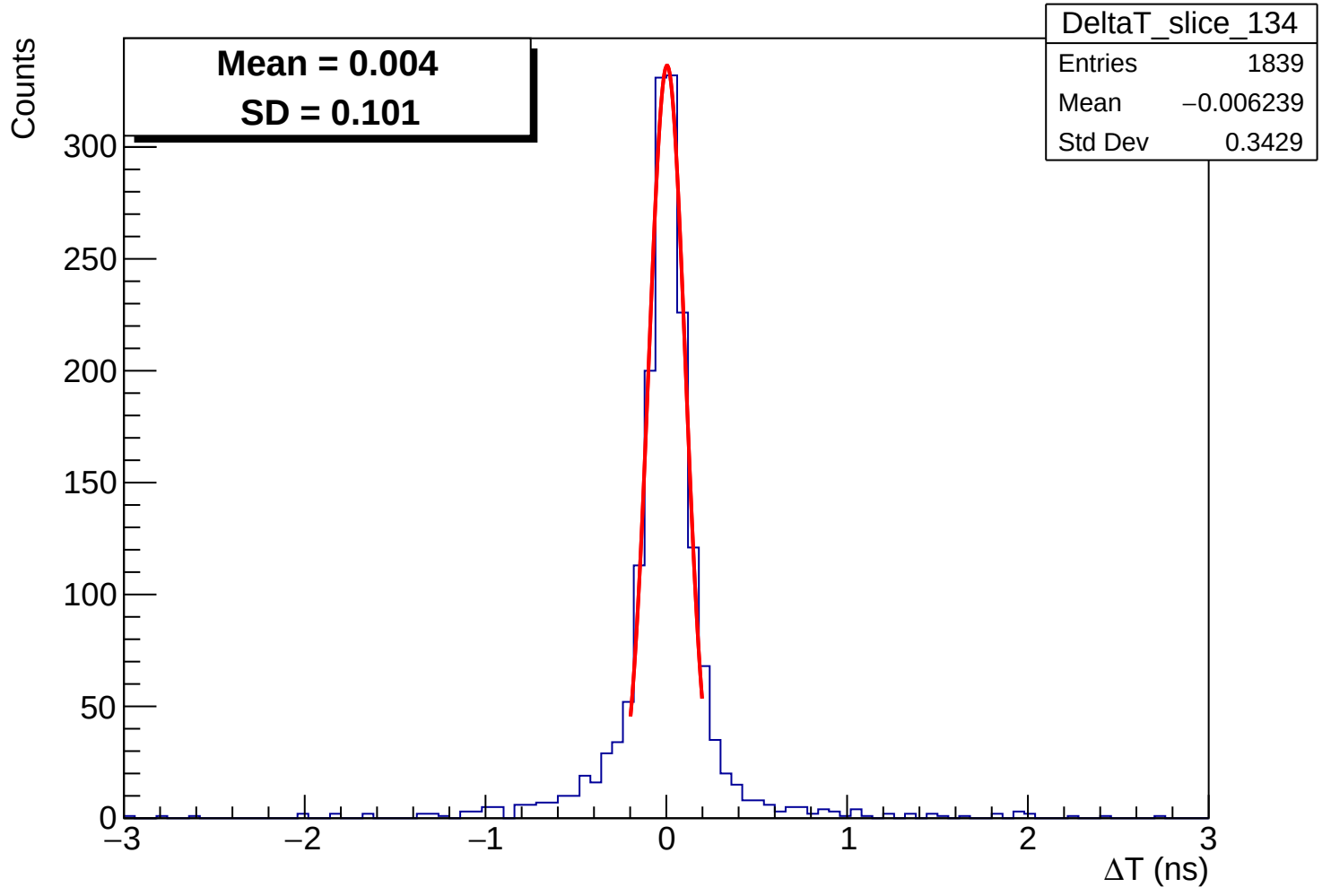

Momentum range [6.65, 6.70] GeV
Mean = 0.005
SD = 0.098
DeltaT_slice_129
Entries 2783
Mean 0.005935
Std Dev 0.3153
Counts
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)

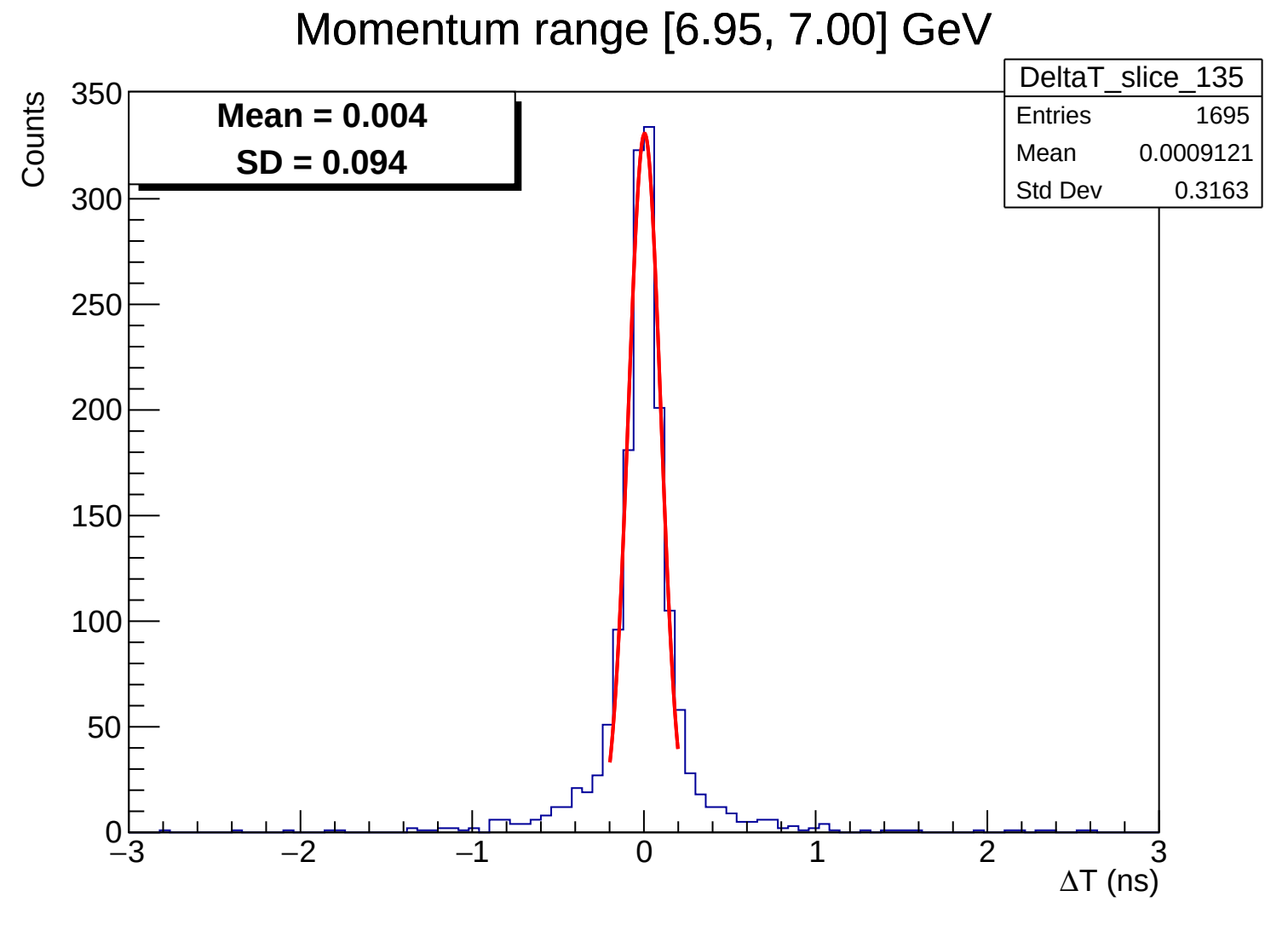

Momentum range [6.70, 6.75] GeV
Mean = 0.003
SD = 0.094
DeltaT_slice_130
Entries 2574
Mean −0.004721
Std Dev 0.3223
Counts
500
400
300
200
100
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [6.75, 6.80] GeV
Mean = -0.003
SD = 0.094
DeltaT_slice_131
Entries 2330
Mean −0.00625
Std Dev 0.3174
Counts
ΔT (ns)
0
50
100
150
200
250
300
350
400
450
−3
−2
−1
0
1
2
3


Momentum range [6.80, 6.85] GeV
Mean = -0.001
SD = 0.101
DeltaT_slice_132
Entries 2190
Mean 0.007485
Std Dev 0.3248
Counts
ΔT (ns)


Momentum range [6.85, 6.90] GeV
Mean = -0.000
SD = 0.095
DeltaT_slice_133
Entries 1986
Mean −0.0075
Std Dev 0.3336
Counts
400
350
300
250
200
150
100
50
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [6.90, 6.95] GeV
Mean = 0.004
SD = 0.101
DeltaT_slice_134
Entries 1839
Mean −0.006239
Std Dev 0.3429
Counts
300
250
200
150
100
50
0
−3
−2
−1
0
1
2
3
ΔT (ns)


Momentum range [6.95, 7.00] GeV
Mean = 0.004
SD = 0.094
DeltaT_slice_135
Entries 1695
Mean 0.0009121
Std Dev 0.3163
Counts
350
300
250
200
150
100
50
0
−3
−2
−1
0
1
2
3
ΔT (ns)