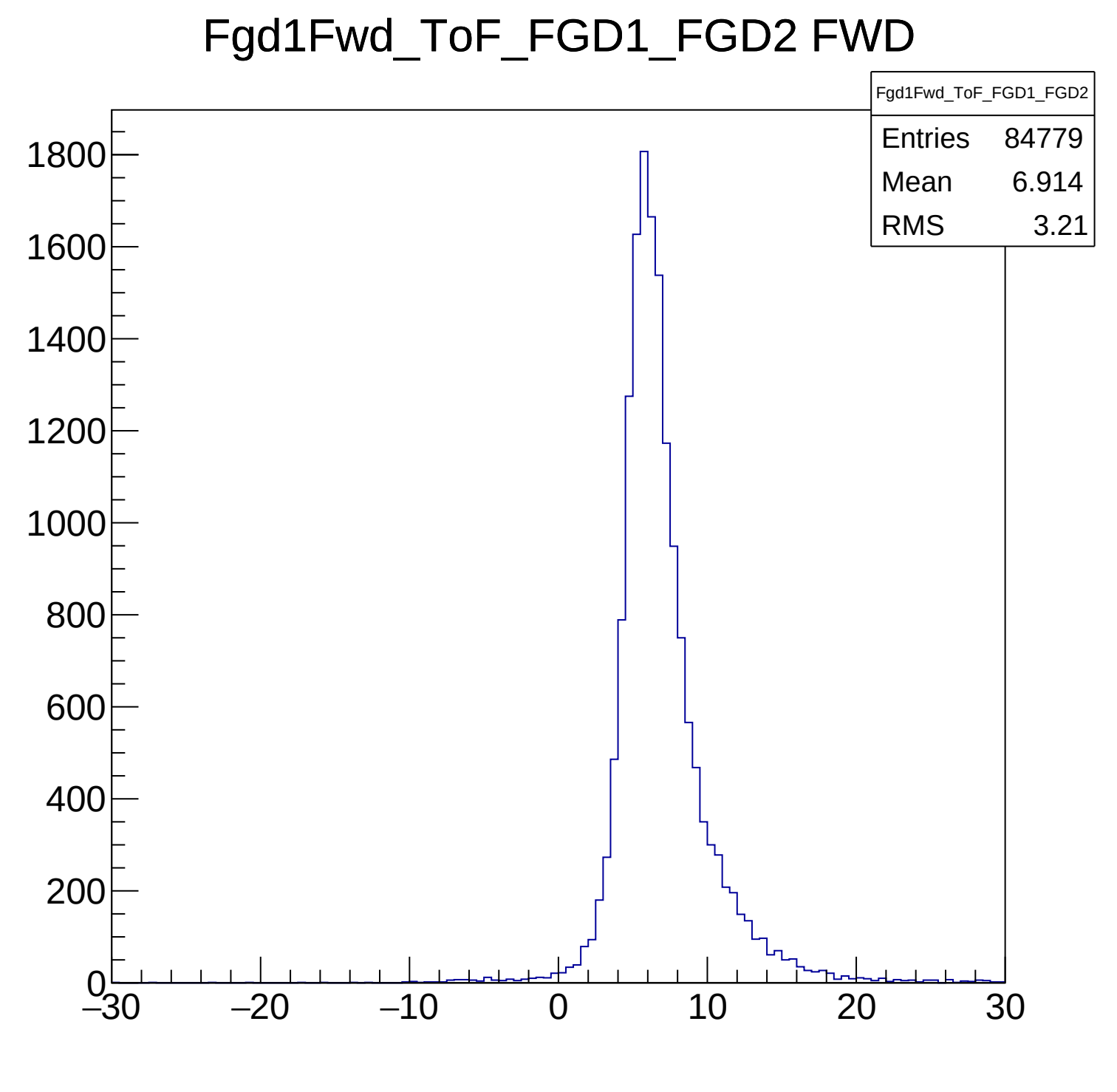
Fgd1Fwd_ToF_FGD1_FGD2 FWD
Fgd1Fwd_ToF_FGD1_FGD2
Entries 84779
Mean 6.914
RMS 3.21
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1600
1400
1200
1000
800
600
400
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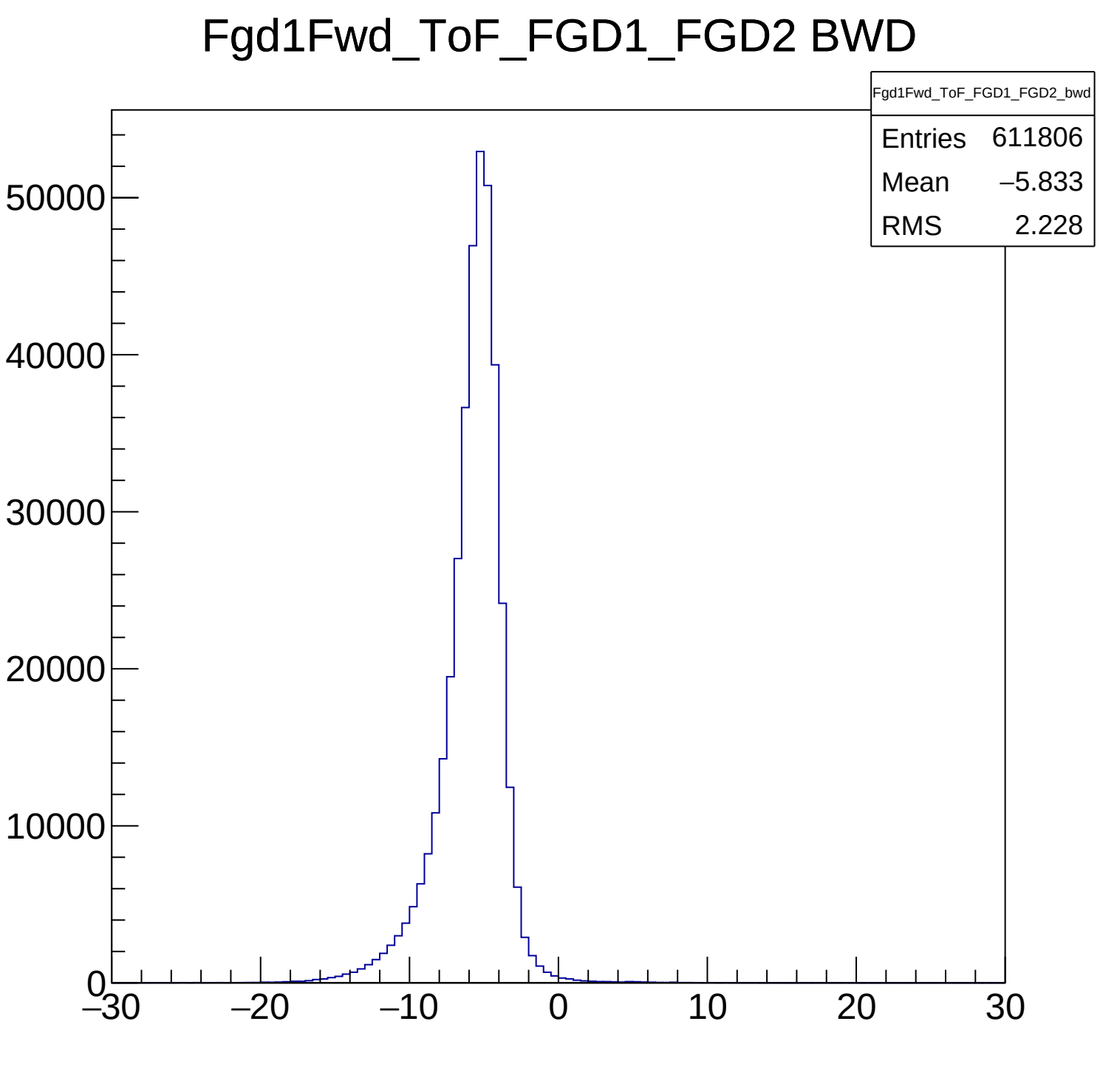
Fgd1Fwd_ToF_FGD1_FGD2 BWD
Fgd1Fwd_ToF_FGD1_FGD2_bwd
Entries 611806
Mean –5.833
RMS 2.228
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40000
30000
20000
10000
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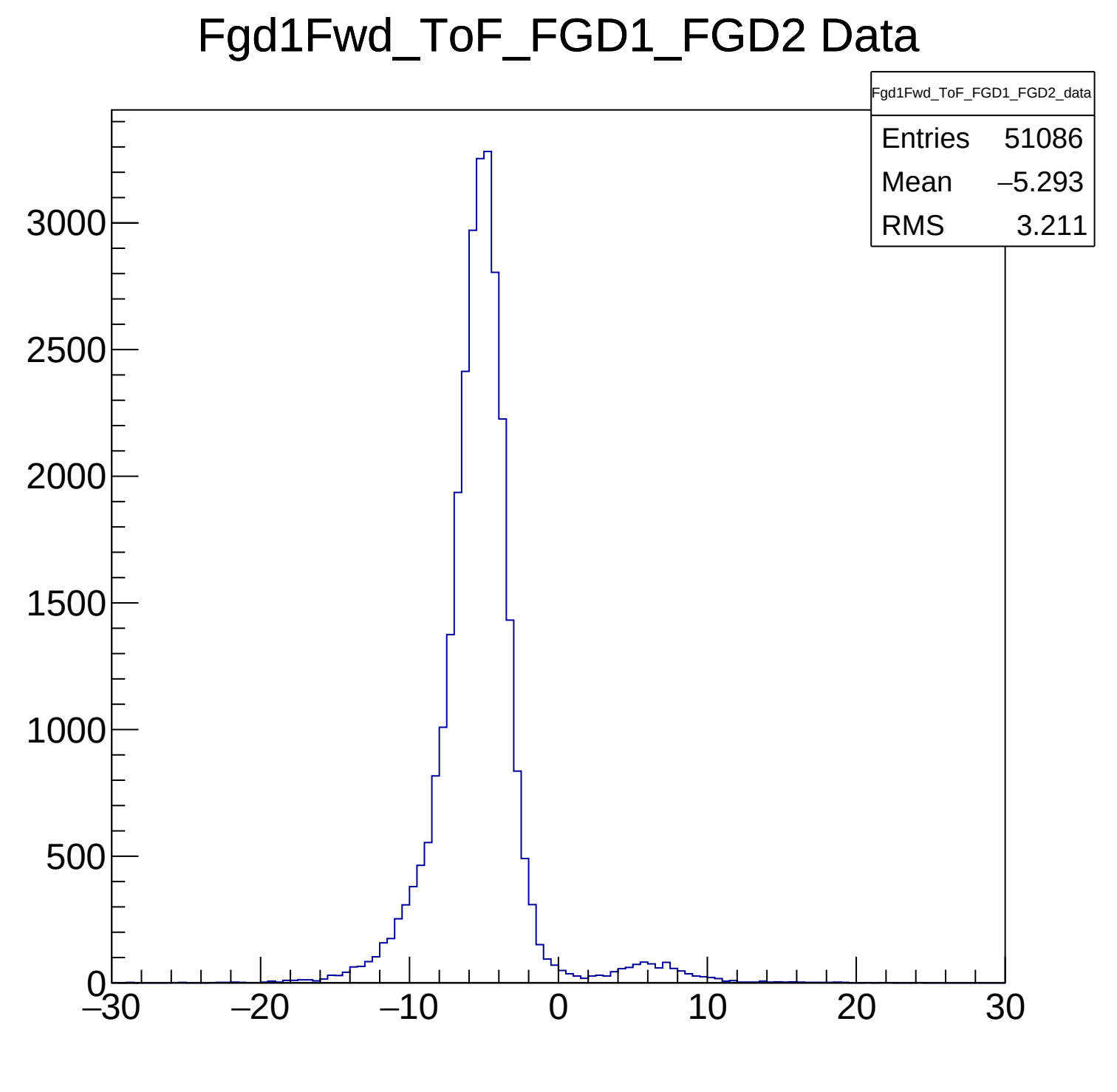
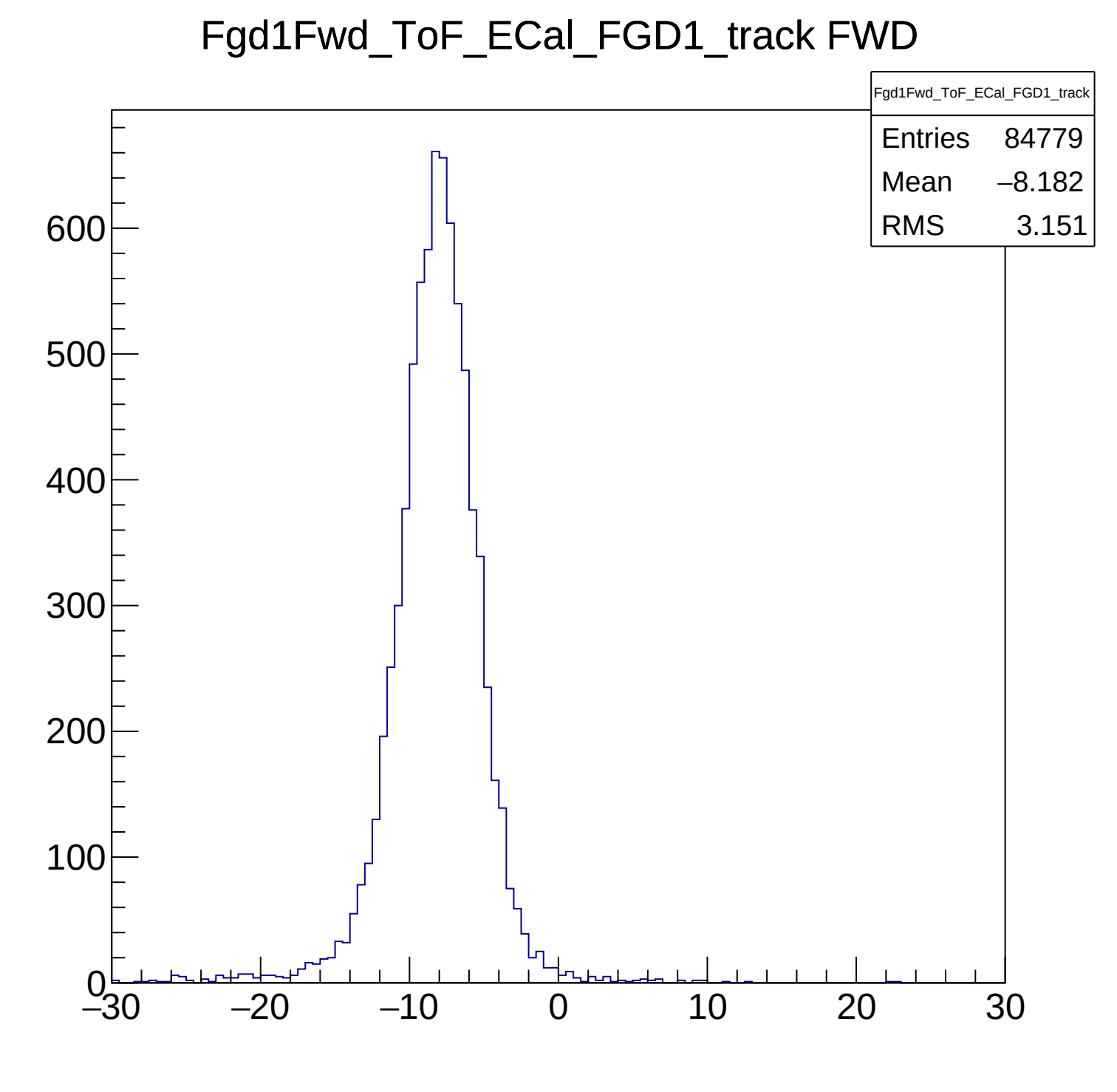

Fgd1Fwd_ToF_FGD1_FGD2 Data
Fgd1Fwd_ToF_FGD1_FGD2_data
Entries 51086
Mean –5.293
RMS 3.211
3000
2500
2000
1500
1000
500
0
–30
–20
–10
0
10
20
30


Fgd1Fwd_ToF_ECal_FGD1_track FWD
Fgd1Fwd_ToF_ECal_FGD1_track
Entries 84779
Mean –8.182
RMS 3.151
600
500
400
300
200
100
0
–30
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–10
0
10
20
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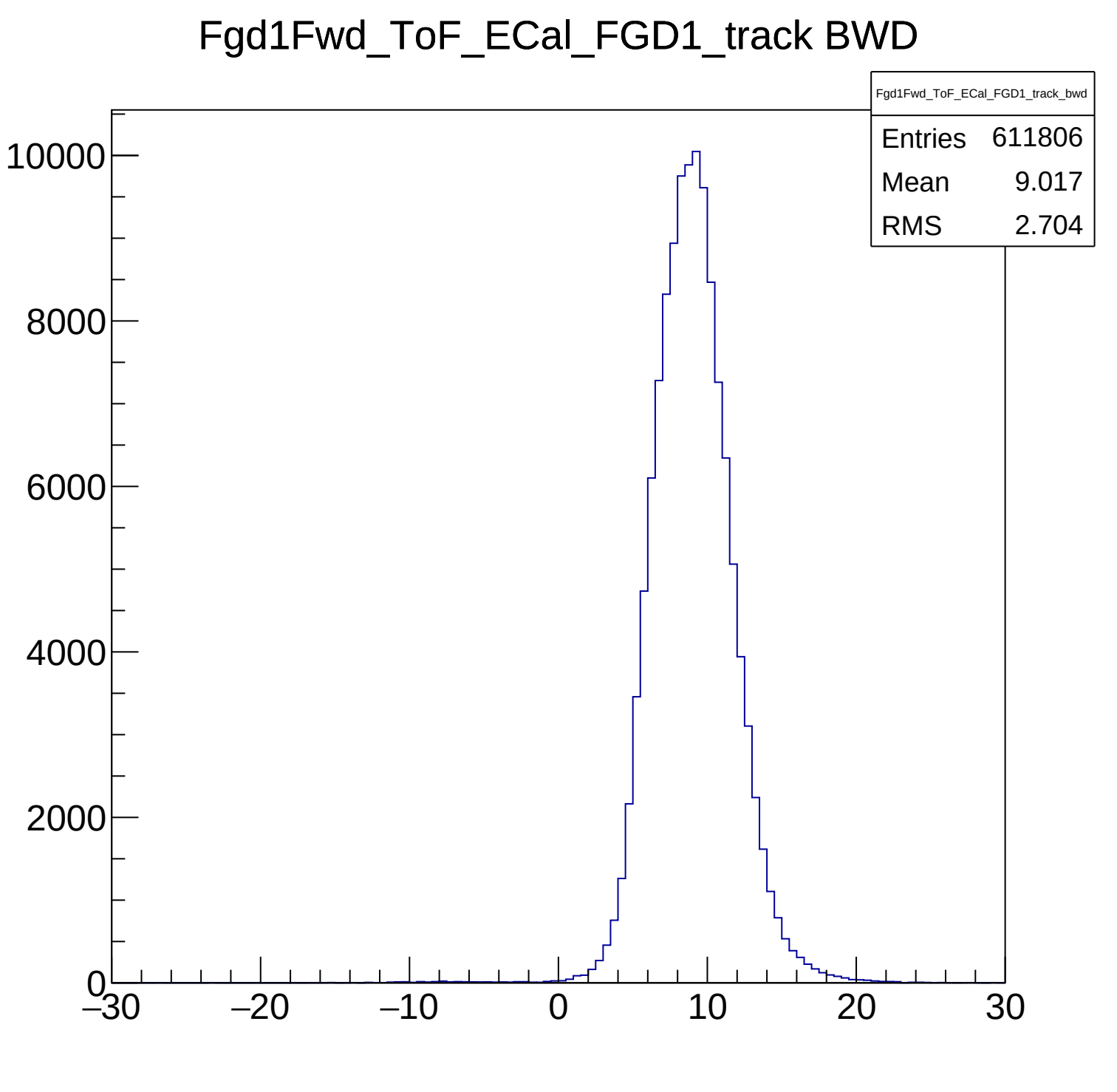
Fgd1Fwd_ToF_ECal_FGD1_track BWD
Fgd1Fwd_ToF_ECal_FGD1_track_bwd
Entries 611806
Mean 9.017
RMS 2.704
10000
8000
6000
4000
2000
0
–30
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–10
0
10
20
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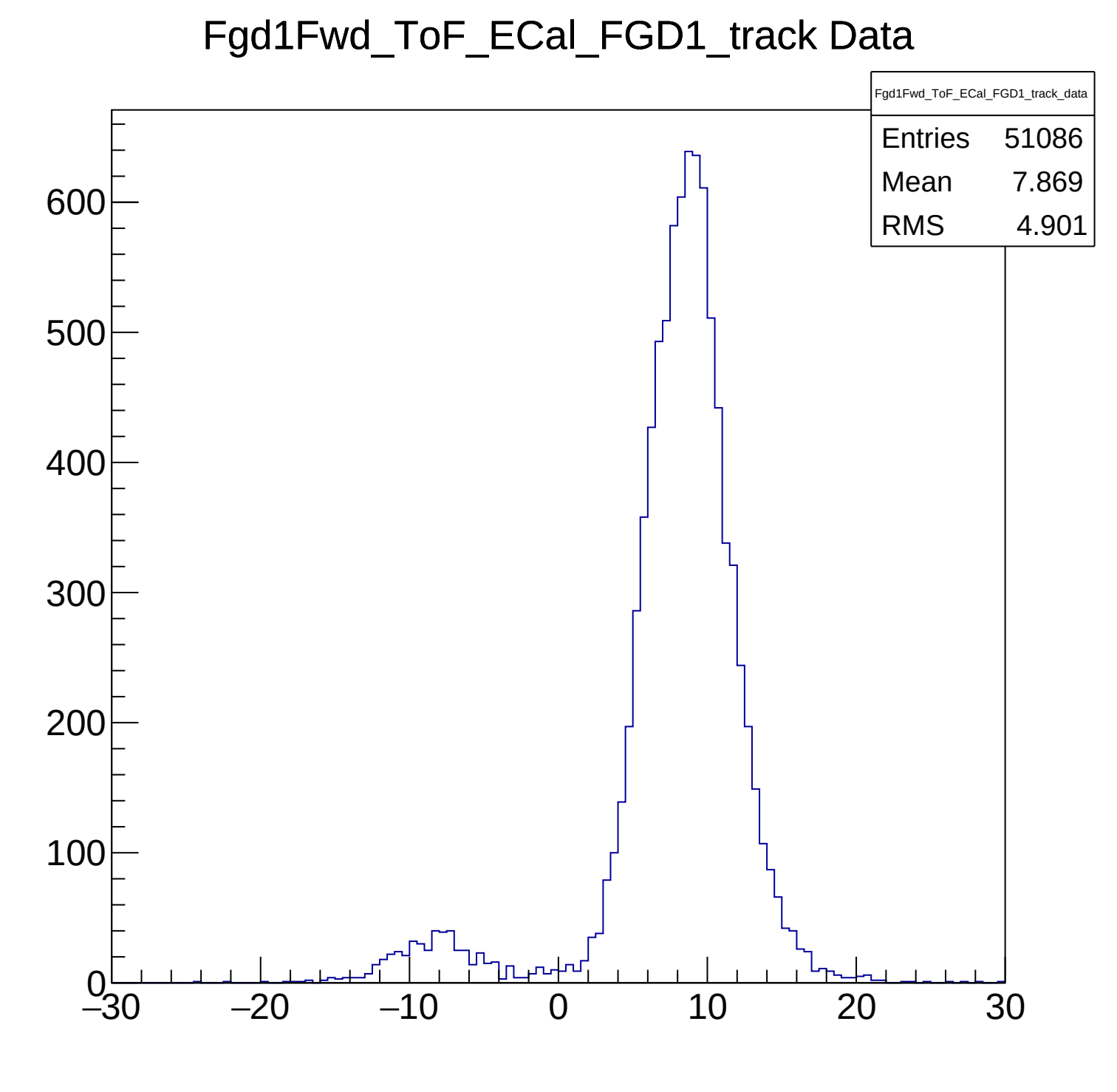
Fgd1Fwd_ToF_ECal_FGD1_track Data
Fgd1Fwd_ToF_ECal_FGD1_track_data
Entries 51086
Mean 7.869
RMS 4.901
600
500
400
300
200
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–30
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0
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20
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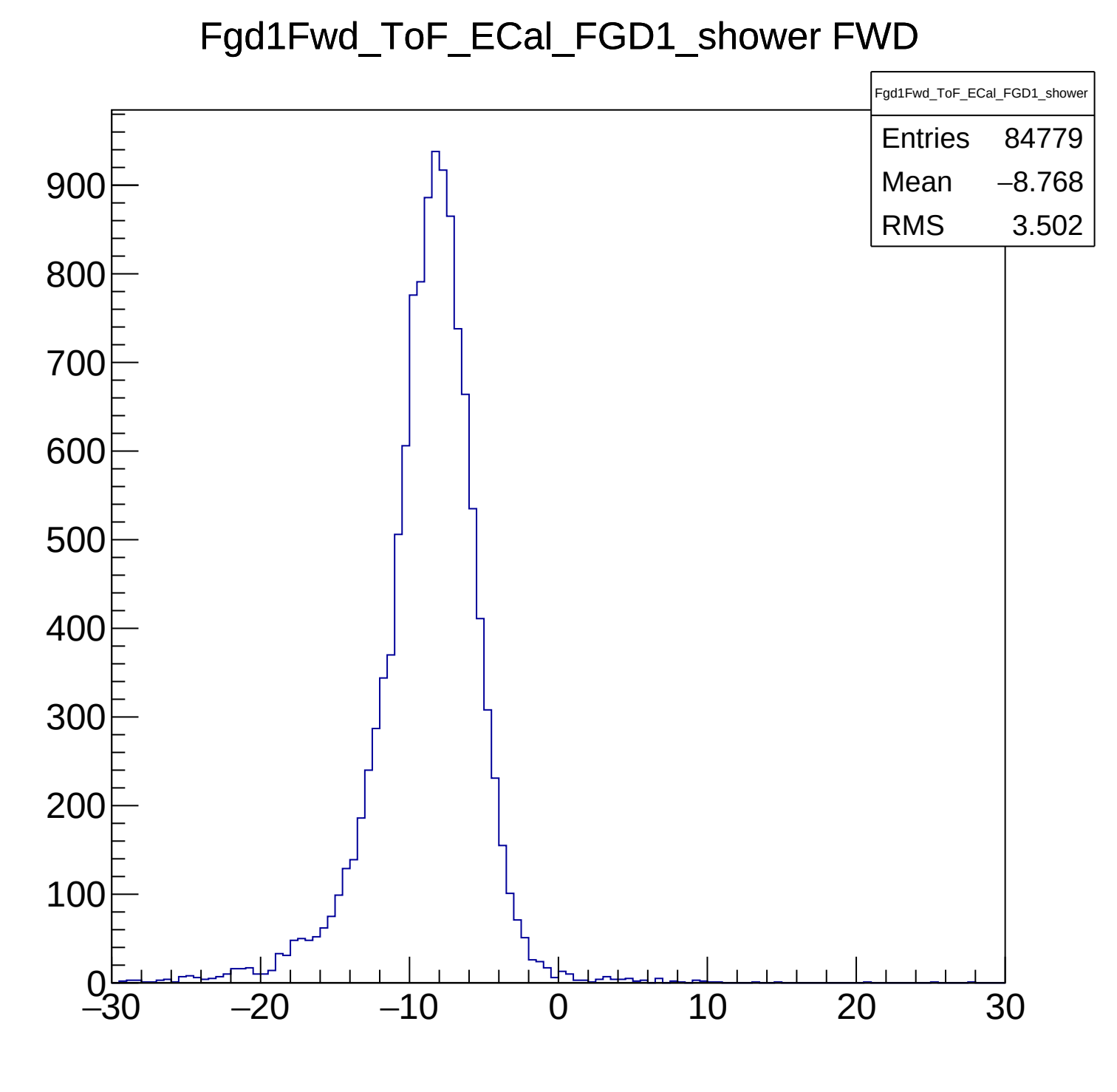
Fgd1Fwd_ToF_ECal_FGD1_shower FWD
Fgd1Fwd_ToF_ECal_FGD1_shower
Entries 84779
Mean –8.768
RMS 3.502
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800
700
600
500
400
300
200
100
0
–30
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–10
0
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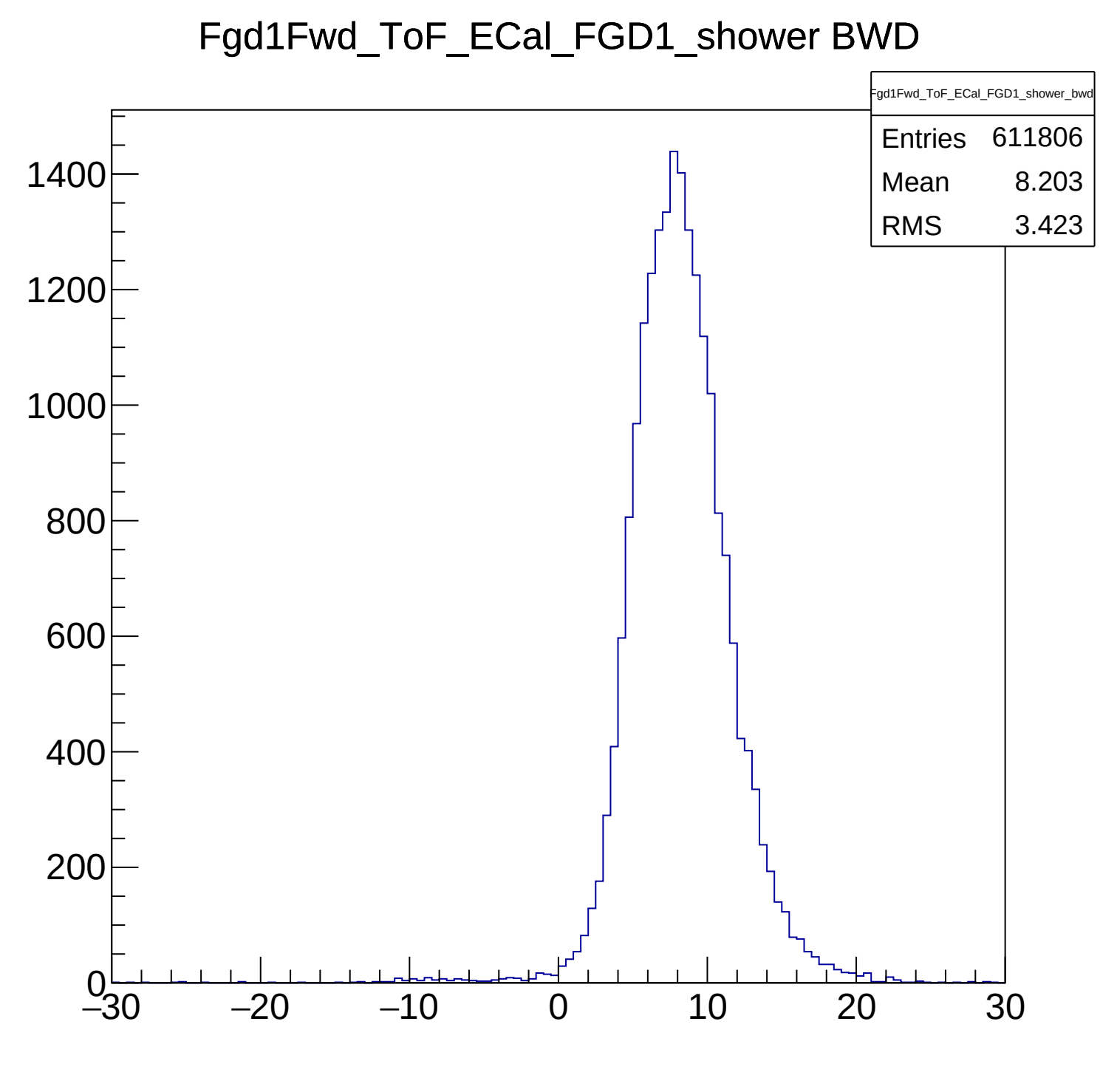
Fgd1Fwd_ToF_ECal_FGD1_shower BWD
Fgd1Fwd_ToF_ECal_FGD1_shower_bwd
Entries 611806
Mean 8.203
RMS 3.423
1400
1200
1000
800
600
400
200
0
–30
–20
–10
0
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20
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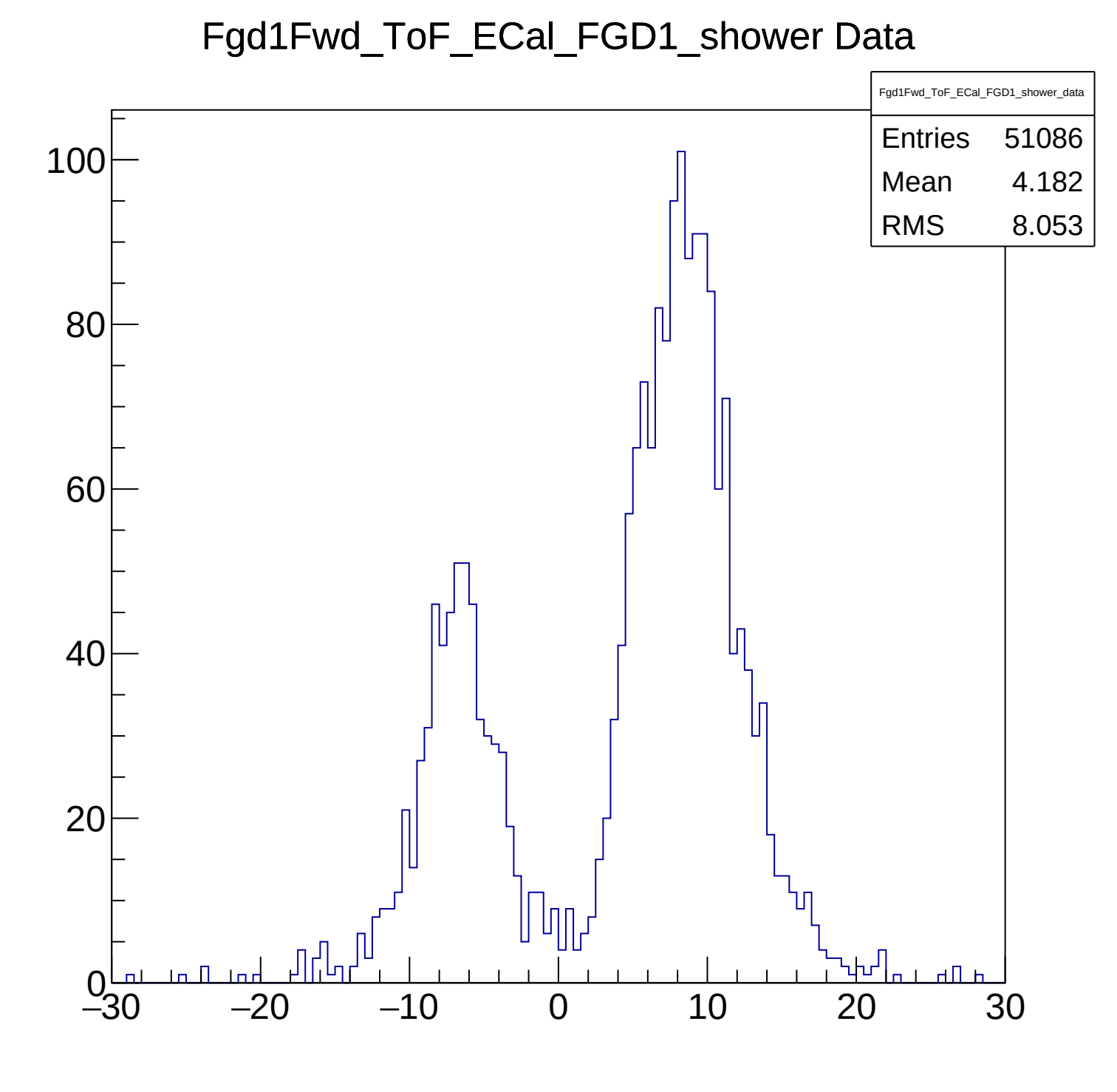
Fgd1Fwd_ToF_ECal_FGD1_shower Data
Fgd1Fwd_ToF_ECal_FGD1_shower_data
Entries 51086
Mean 4.182
RMS 8.053
100
80
60
40
20
0
–30
–20
–10
0
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20
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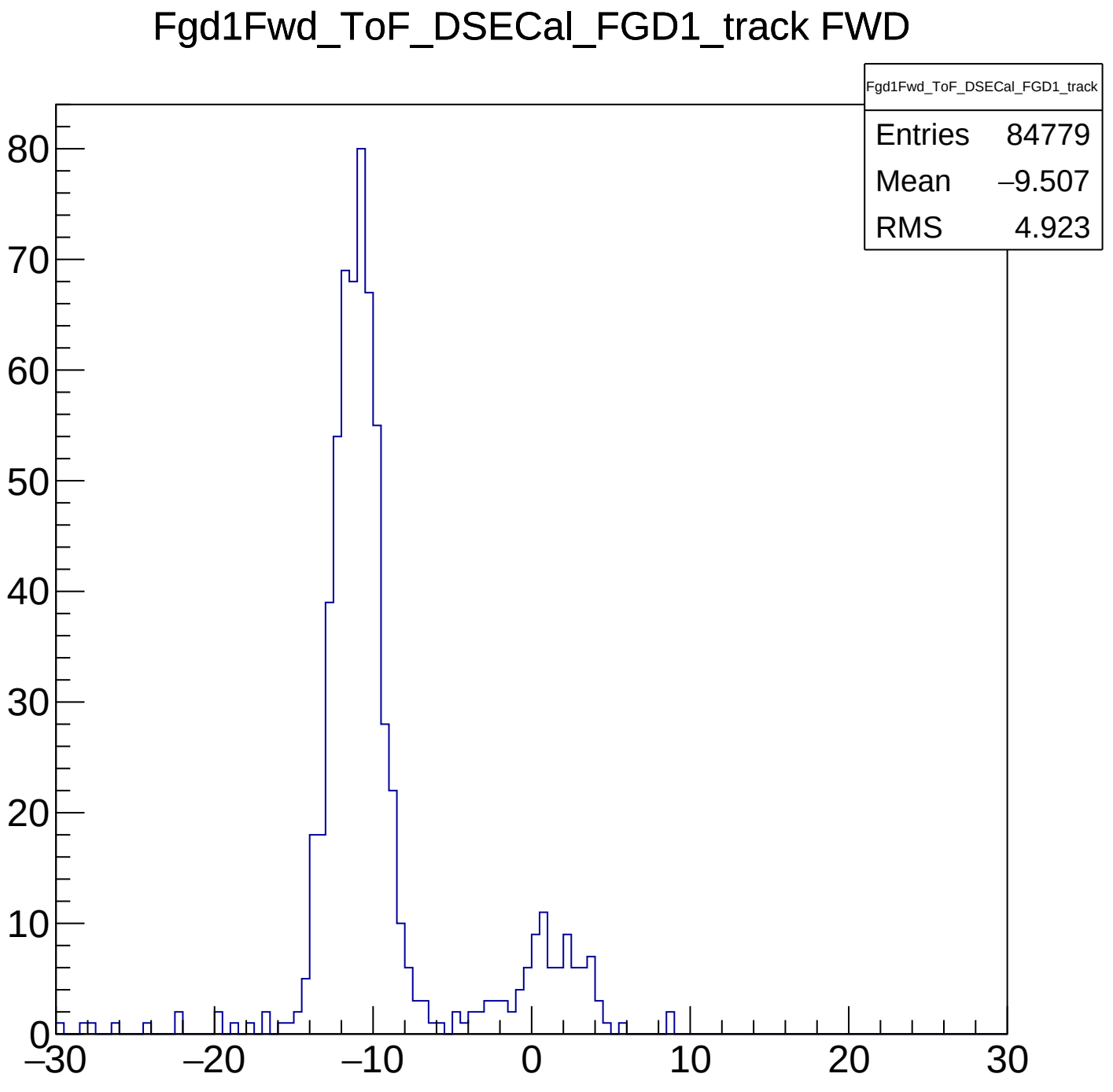
Fgd1Fwd_ToF_DSECal_FGD1_track FWD
Fgd1Fwd_ToF_DSECal_FGD1_track
Entries 84779
Mean –9.507
RMS 4.923
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70
60
50
40
30
20
10
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–30
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0
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20
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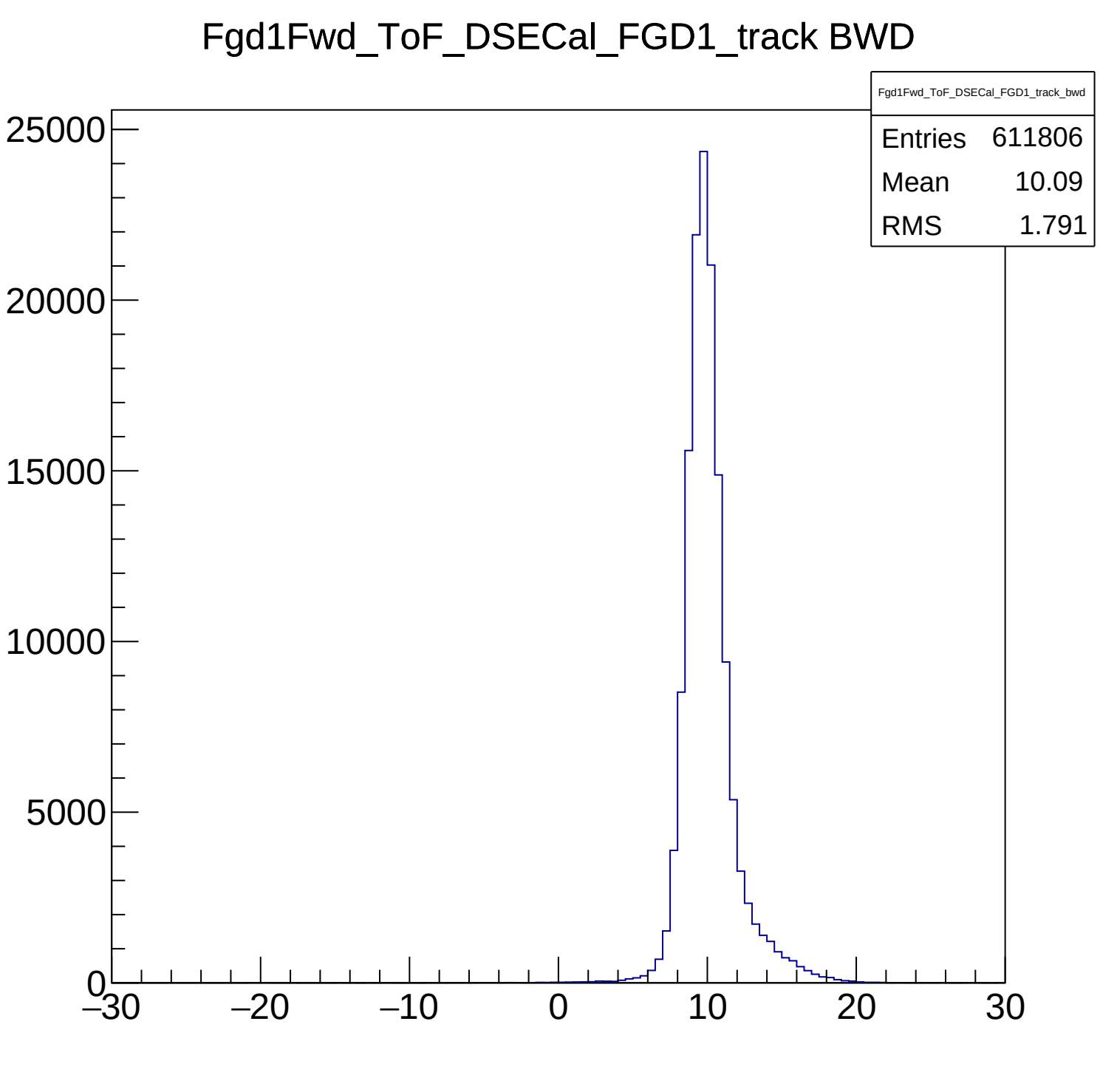
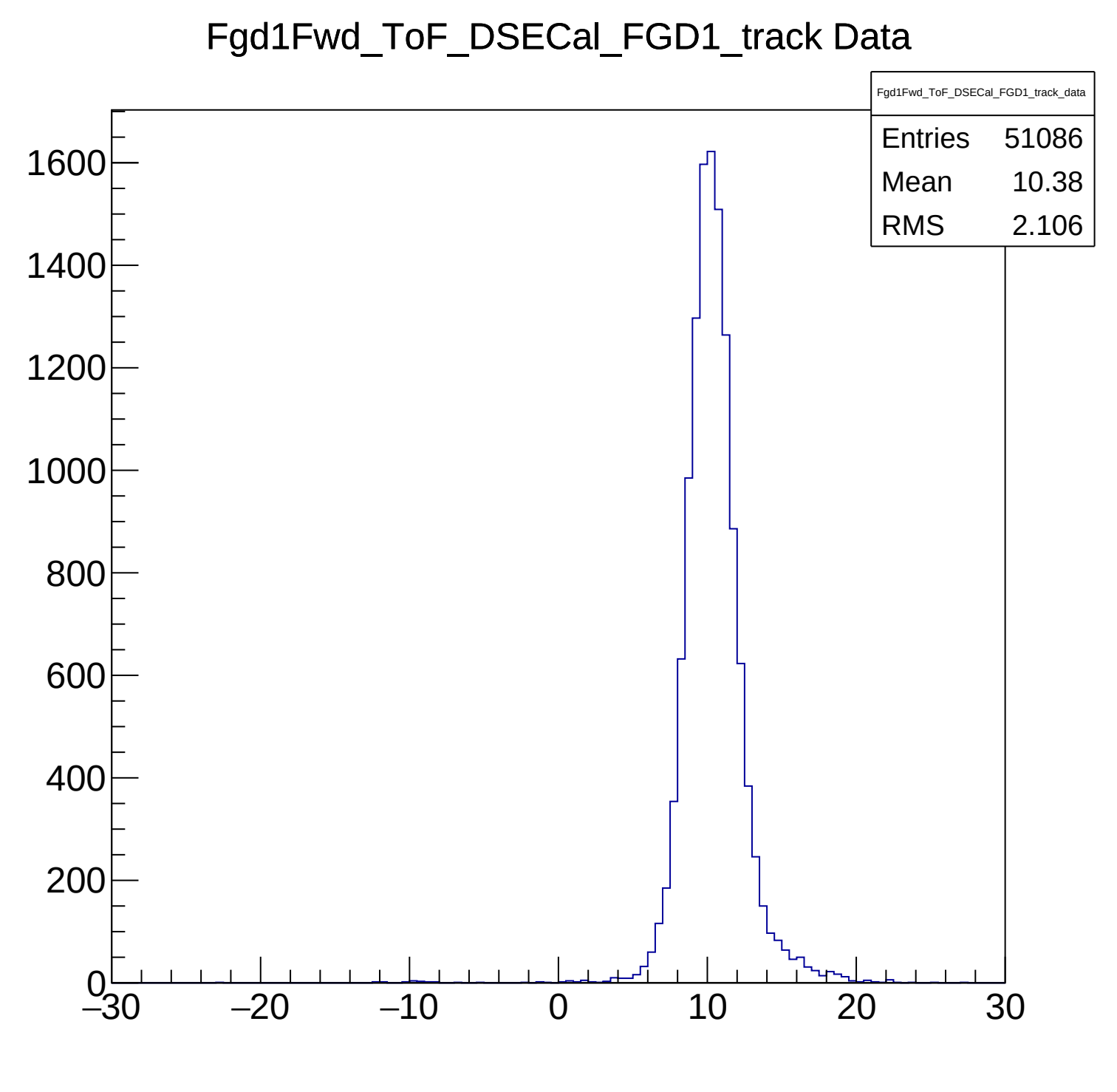

Fgd1Fwd_ToF_DSECal_FGD1_track BWD
Fgd1Fwd_ToF_DSECal_FGD1_track_bwd
Entries 611806
Mean 10.09
RMS 1.791
25000
20000
15000
10000
5000
0
–30
–20
–10
0
10
20
30


Fgd1Fwd_ToF_DSECal_FGD1_track Data
Fgd1Fwd_ToF_DSECal_FGD1_track_data
Entries 51086
Mean 10.38
RMS 2.106
1600
1400
1200
1000
800
600
400
200
0
–30
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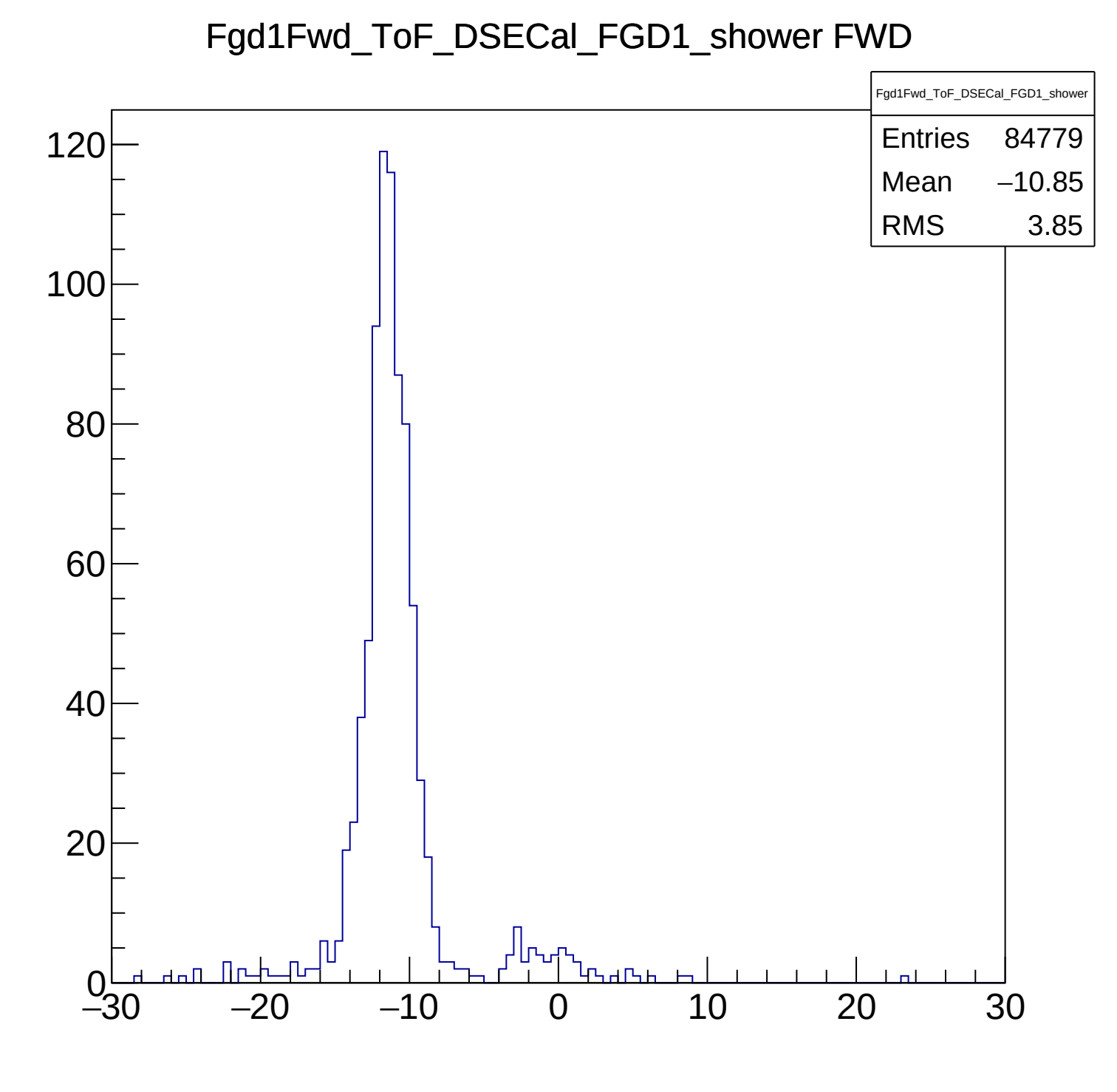
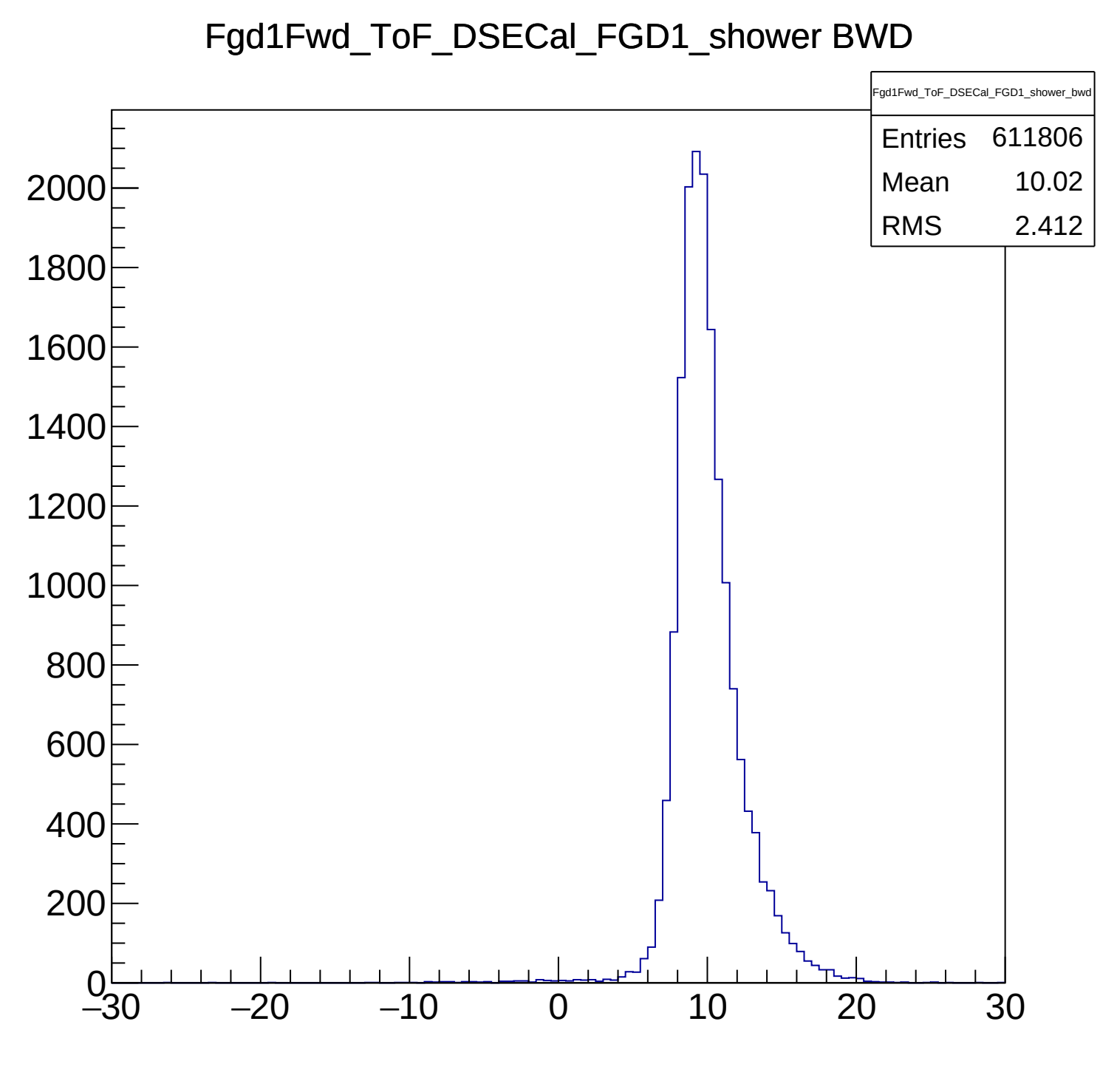
0
10
20
30


Fgd1Fwd_ToF_DSECal_FGD1_shower FWD
Fgd1Fwd_ToF_DSECal_FGD1_shower
Entries 84779
Mean –10.85
RMS 3.85
120
100
80
60
40
20
0
–30
–20
–10
0
10
20
30


Fgd1Fwd_ToF_DSECal_FGD1_shower BWD
Fgd1Fwd_ToF_DSECal_FGD1_shower_bwd
Entries 611806
Mean 10.02
RMS 2.412
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–30
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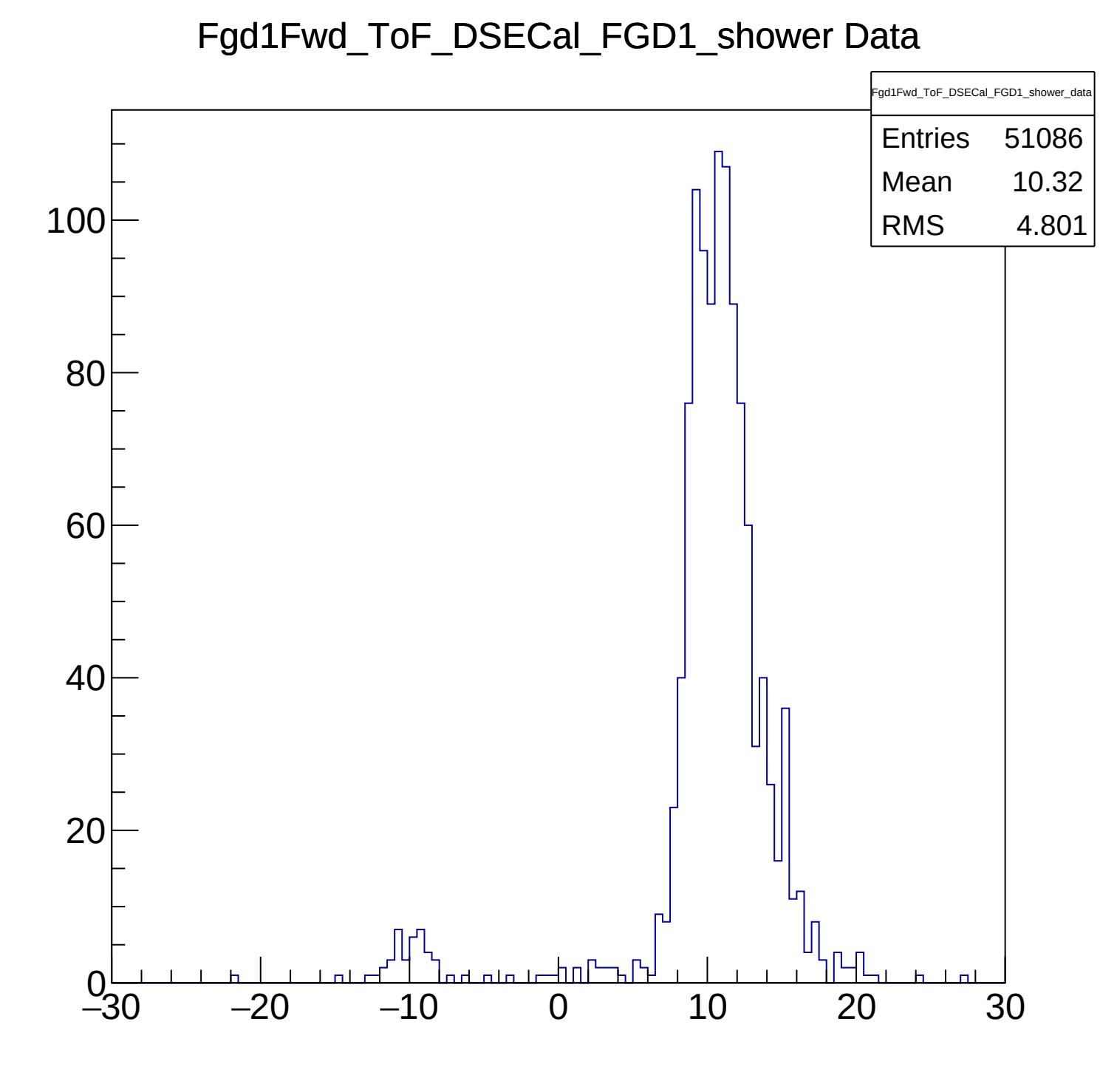
0
10
20
30


Fgd1Fwd_ToF_DSECal_FGD1_shower Data
Fgd1Fwd_ToF_DSECal_FGD1_shower_data
Entries 51086
Mean 10.32
RMS 4.801
100
80
60
40
20
0
–30
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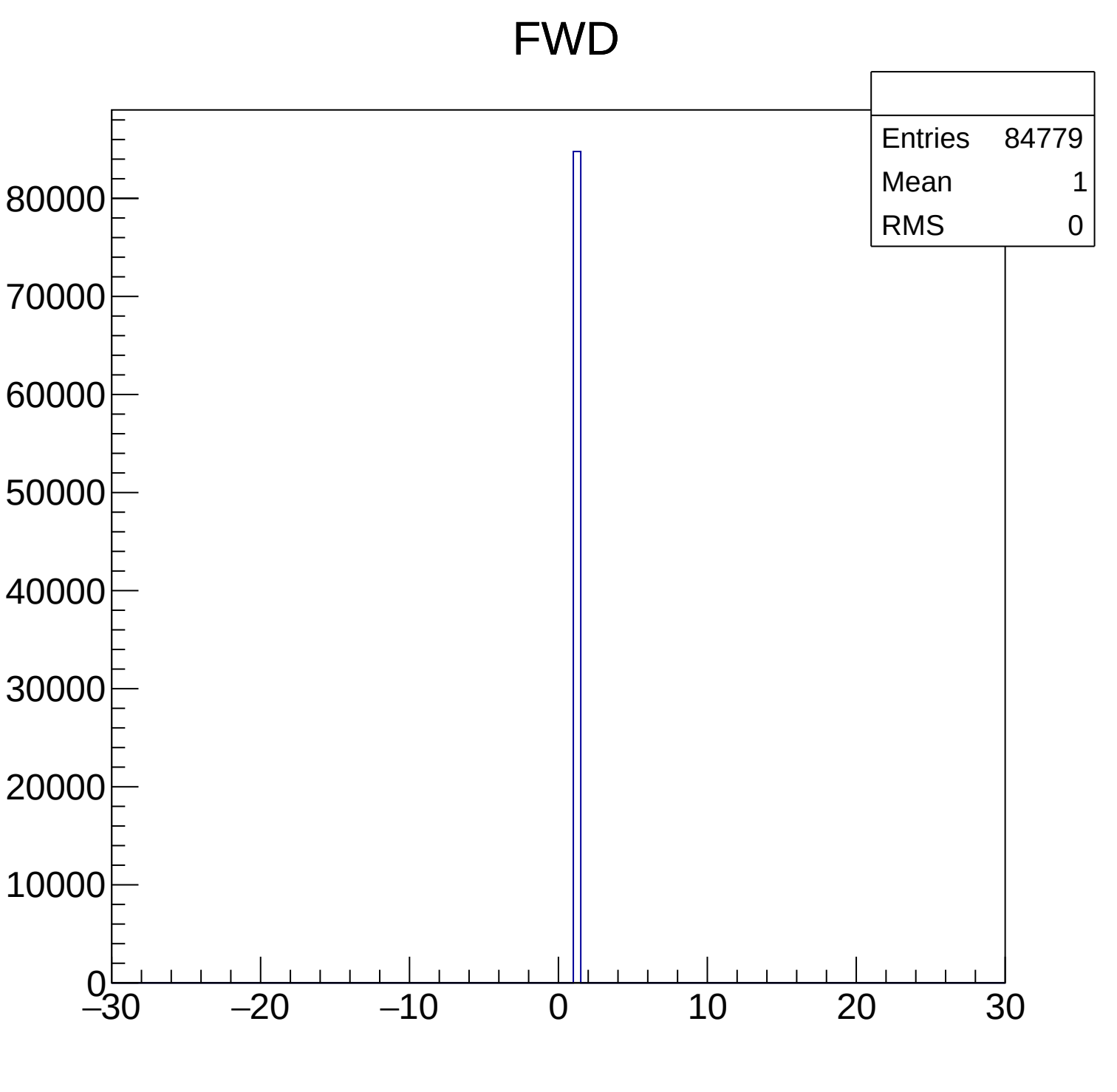
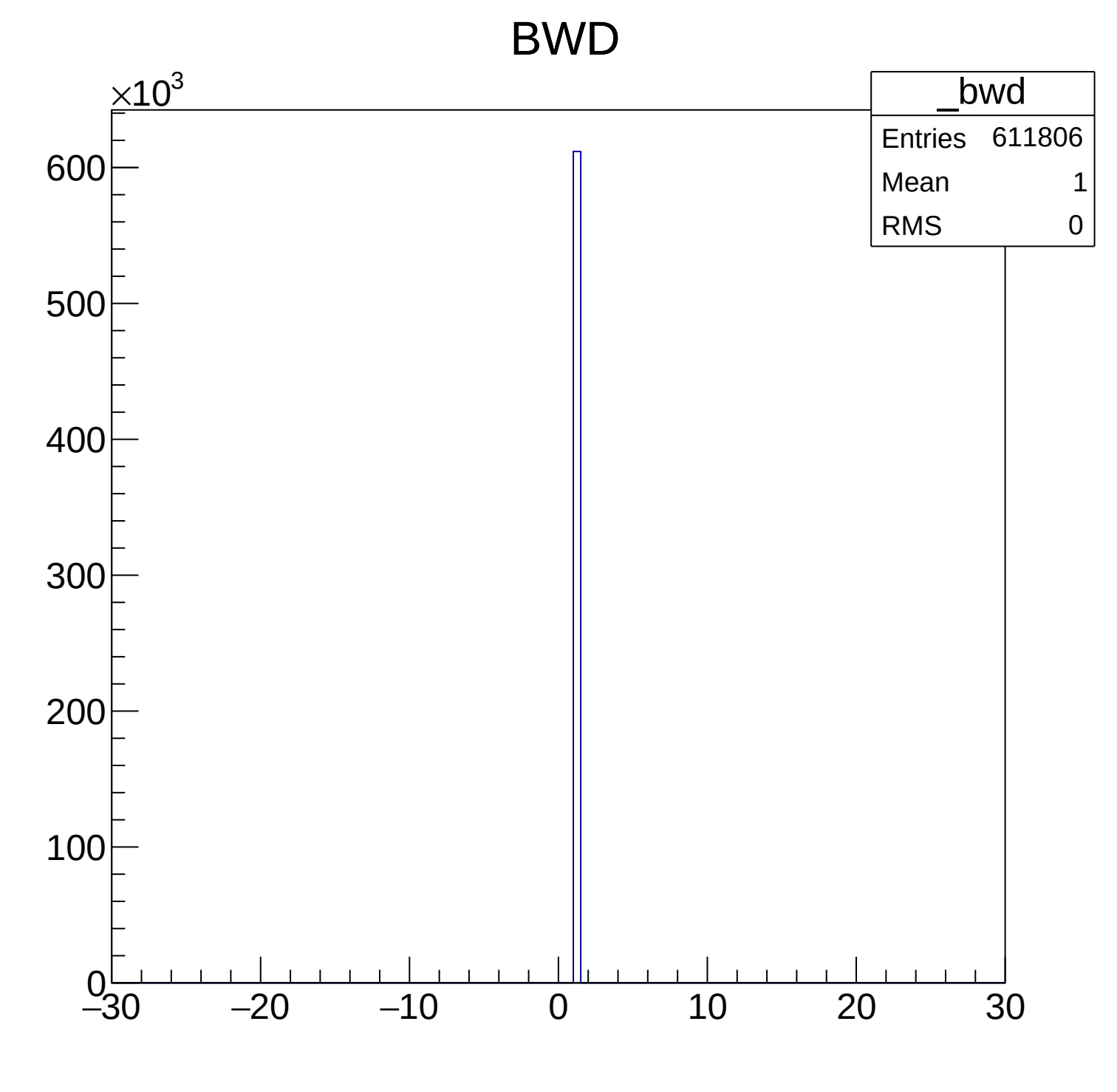
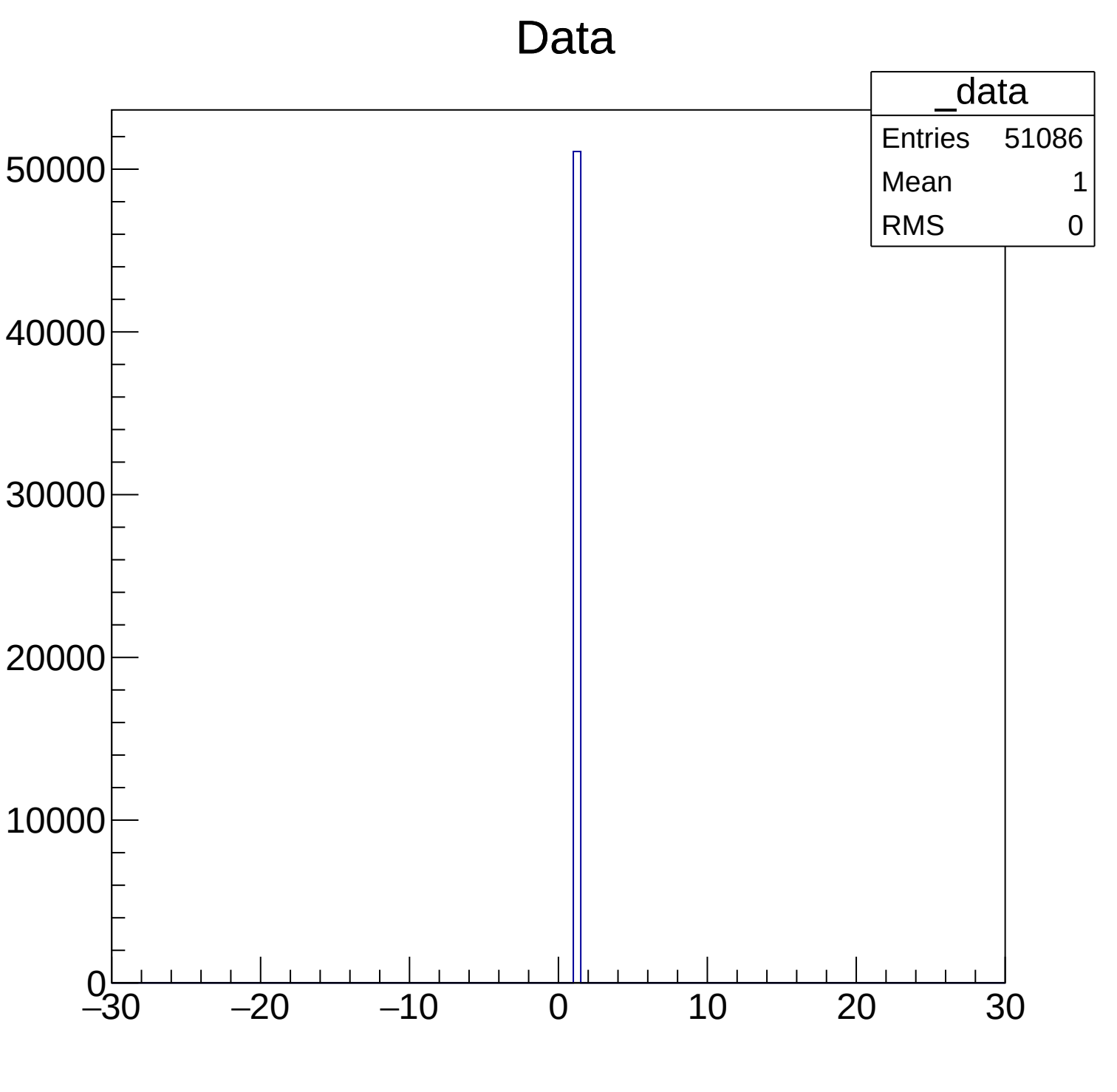
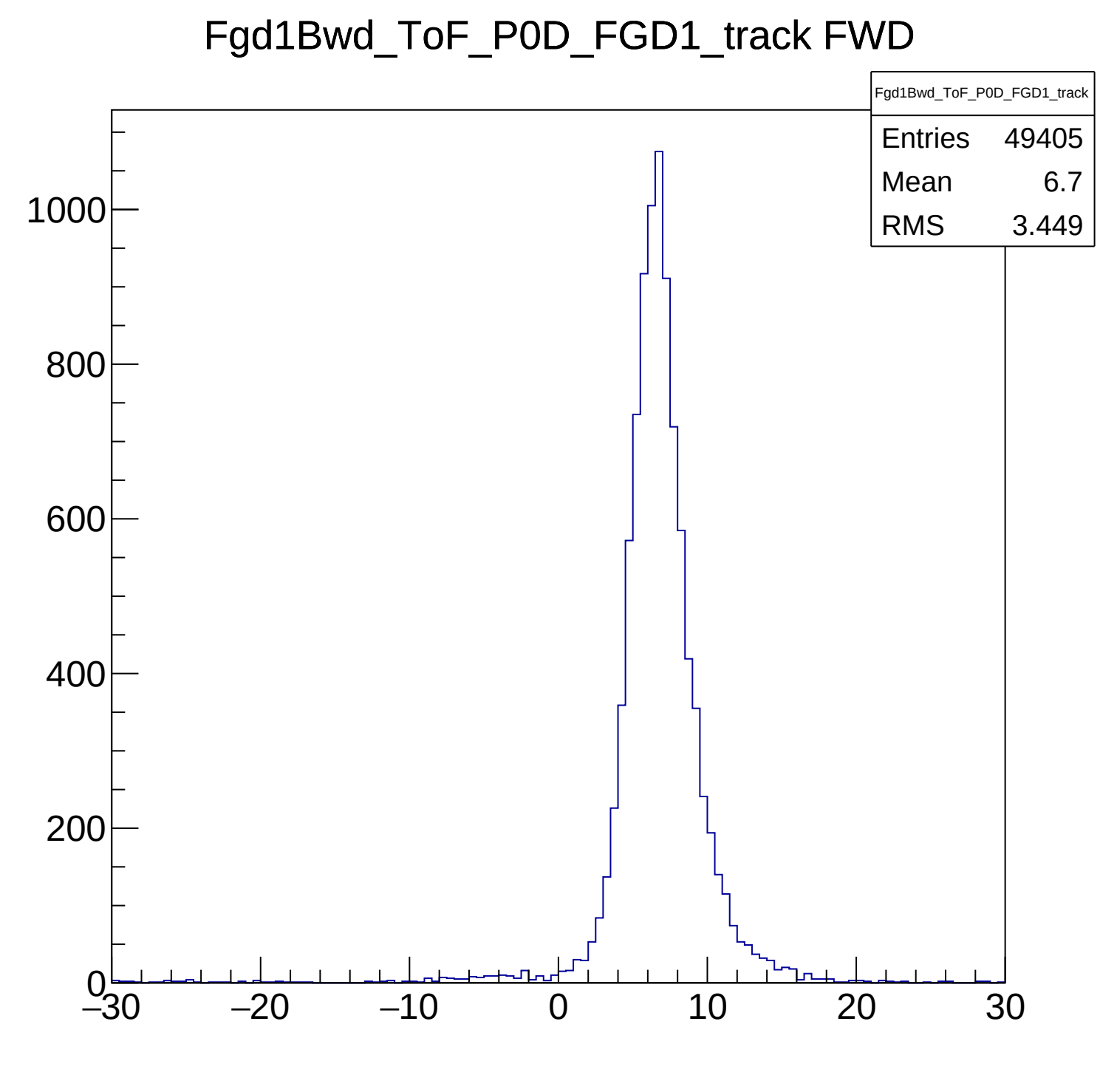
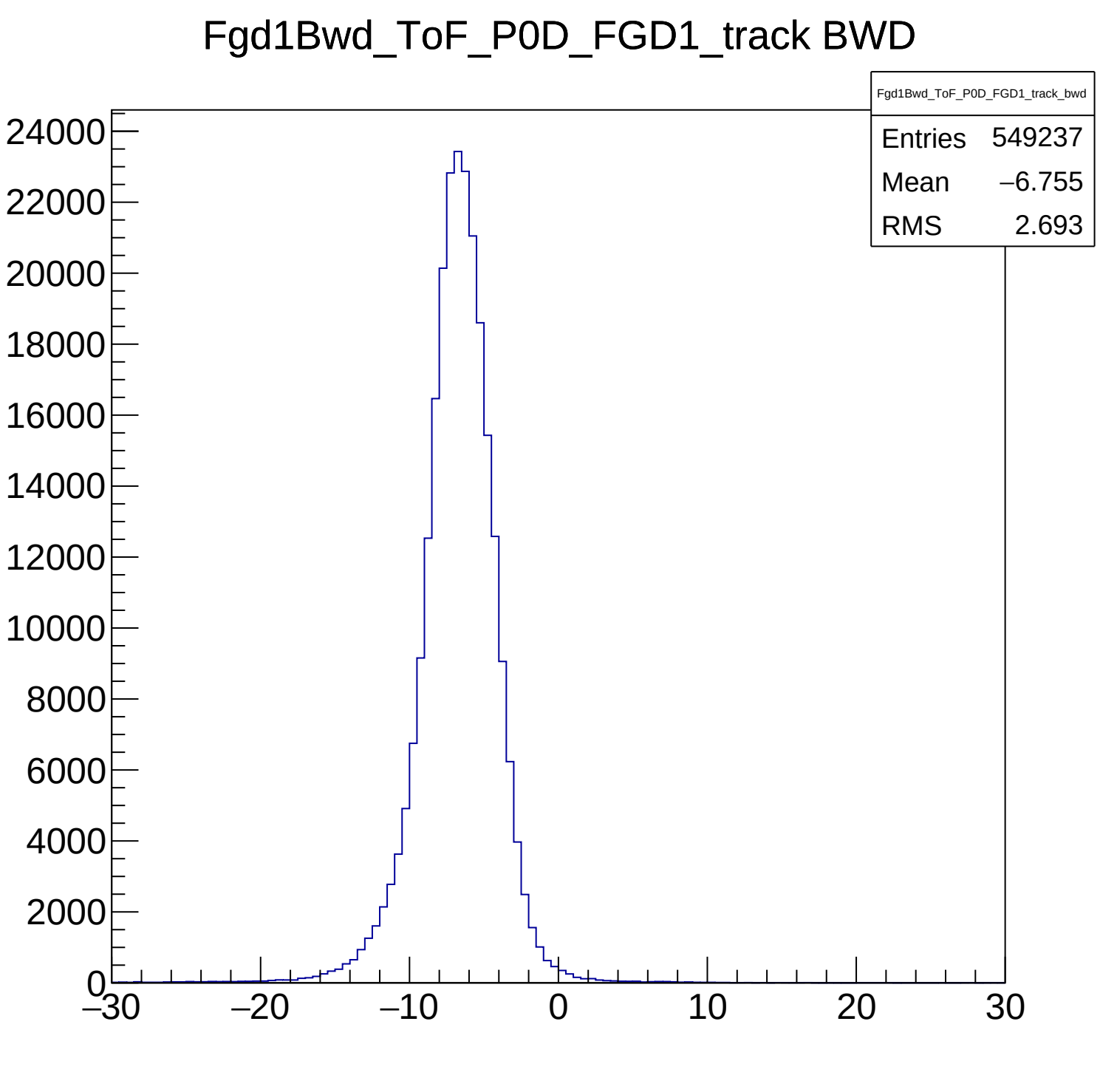
0
10
20
30

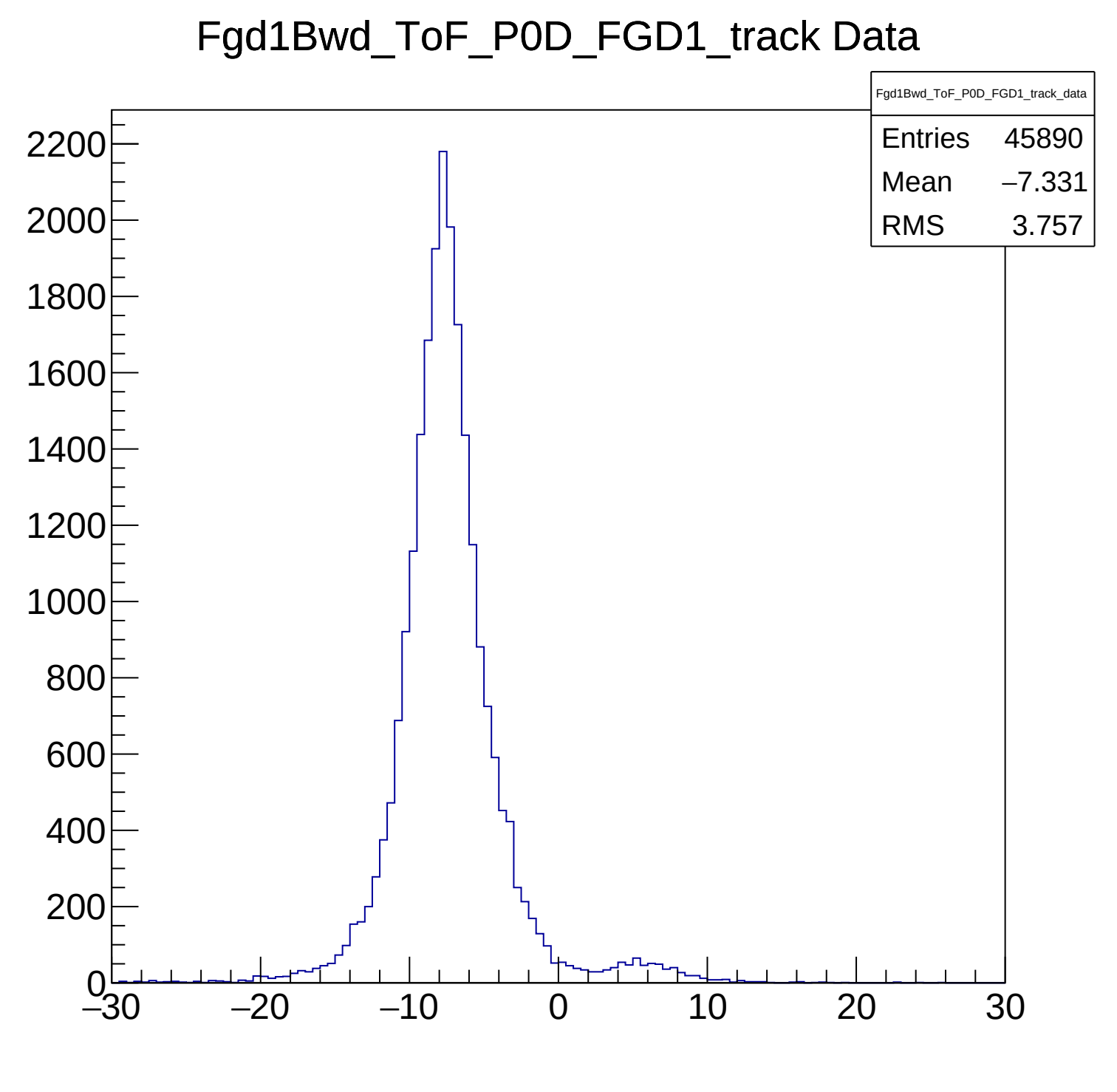

FWD
Entries 84779
Mean 1
RMS 0
80000
70000
60000
50000
40000
30000
20000
10000
0
–30
–20
–10
0
10
20
30


BWD
×10^3
600
500
400
300
200
100
0
–30
–20
–10
0
10
20
30
_bwd
Entries 611806
Mean 1
RMS 0


Data
_data
Entries 51086
Mean 1
RMS 0
50000
40000
30000
20000
10000
0
–30
–20
–10
0
10
20
30


Fgd1Bwd_ToF_P0D_FGD1_track FWD
Fgd1Bwd_ToF_P0D_FGD1_track
Entries 49405
Mean 6.7
RMS 3.449
1000
800
600
400
200
0
–30
–20
–10
0
10
20
30


Fgd1Bwd_ToF_P0D_FGD1_track BWD
Fgd1Bwd_ToF_P0D_FGD1_track_bwd
Entries 549237
Mean −6.755
RMS 2.693
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−30
−20
−10
0
10
20
30


Fgd1Bwd_ToF_P0D_FGD1_track Data
Fgd1Bwd_ToF_P0D_FGD1_track_data
Entries 45890
Mean –7.331
RMS 3.757
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–30
–20
–10
0
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20
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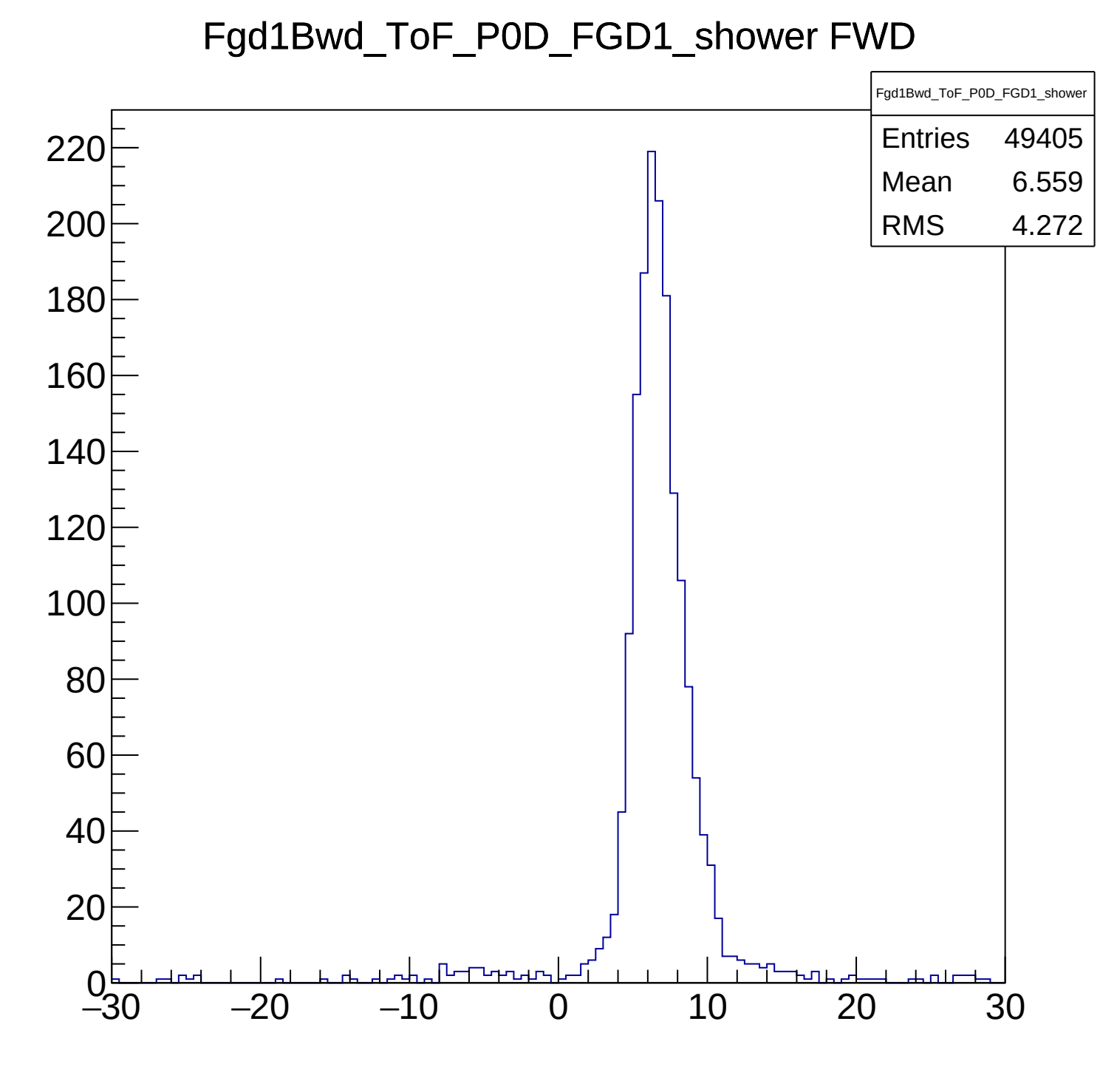
Fgd1Bwd_ToF_P0D_FGD1_shower FWD
Fgd1Bwd_ToF_P0D_FGD1_shower
Entries 49405
Mean 6.559
RMS 4.272
220
200
180
160
140
120
100
80
60
40
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–30
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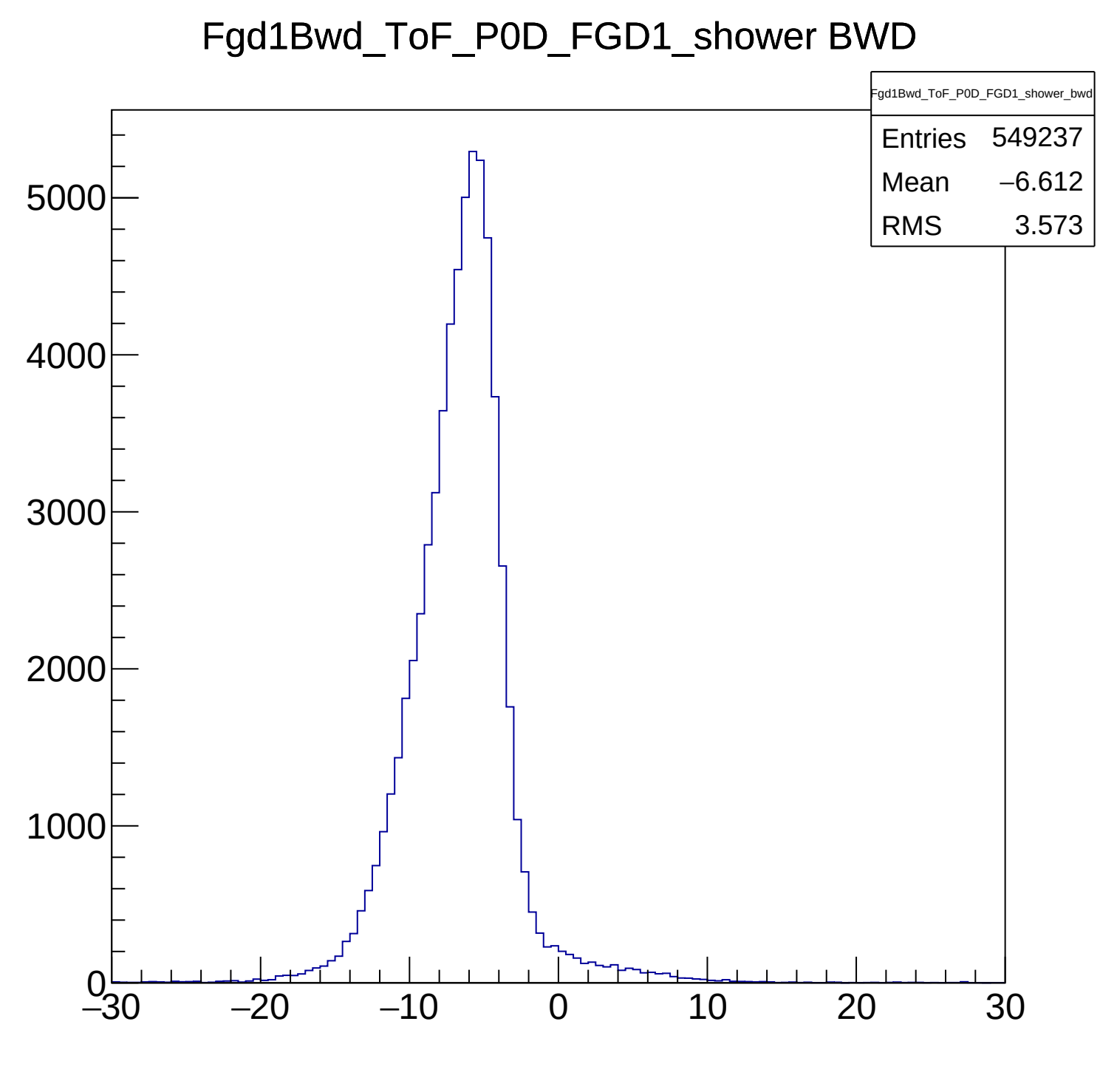
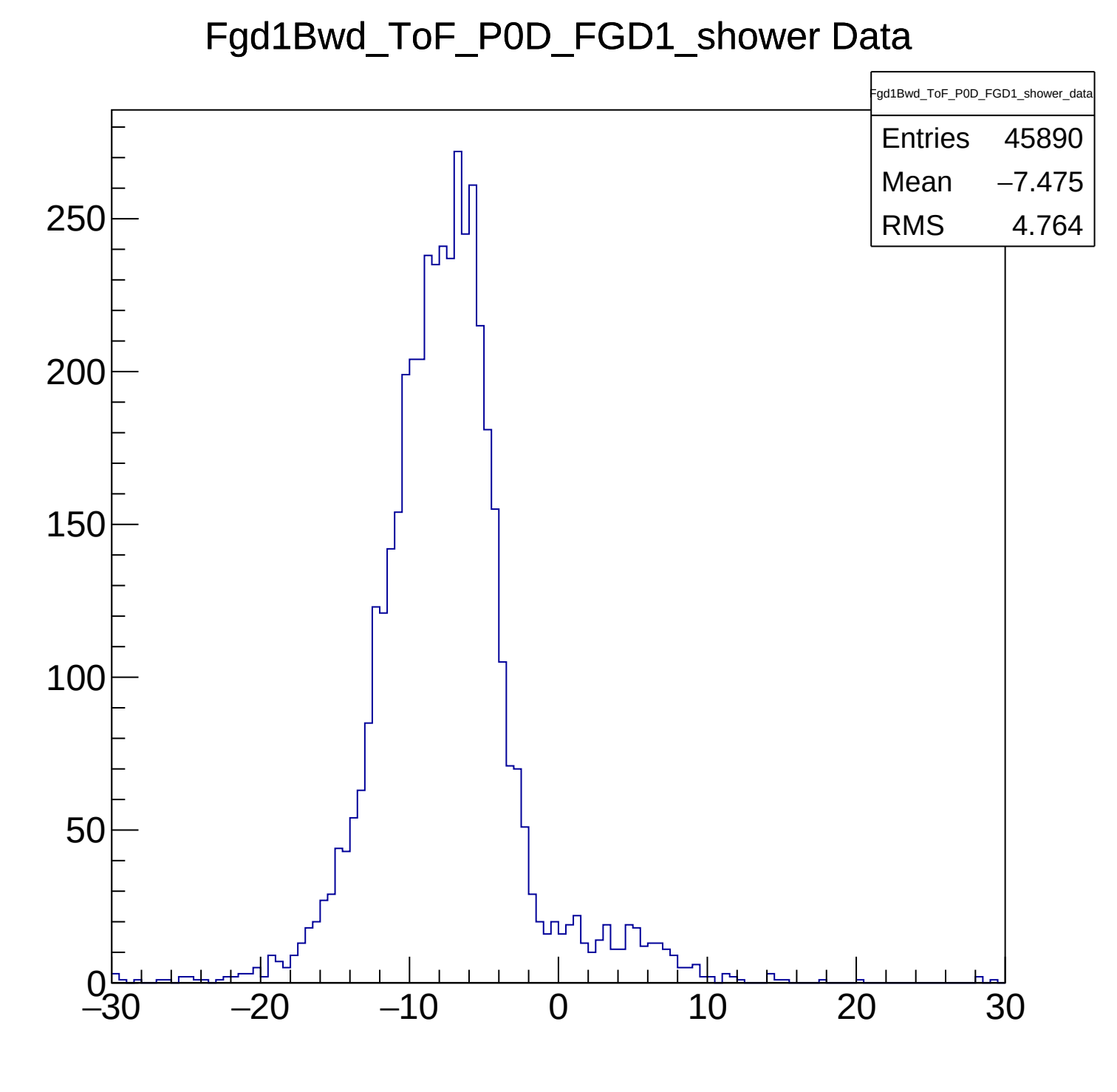
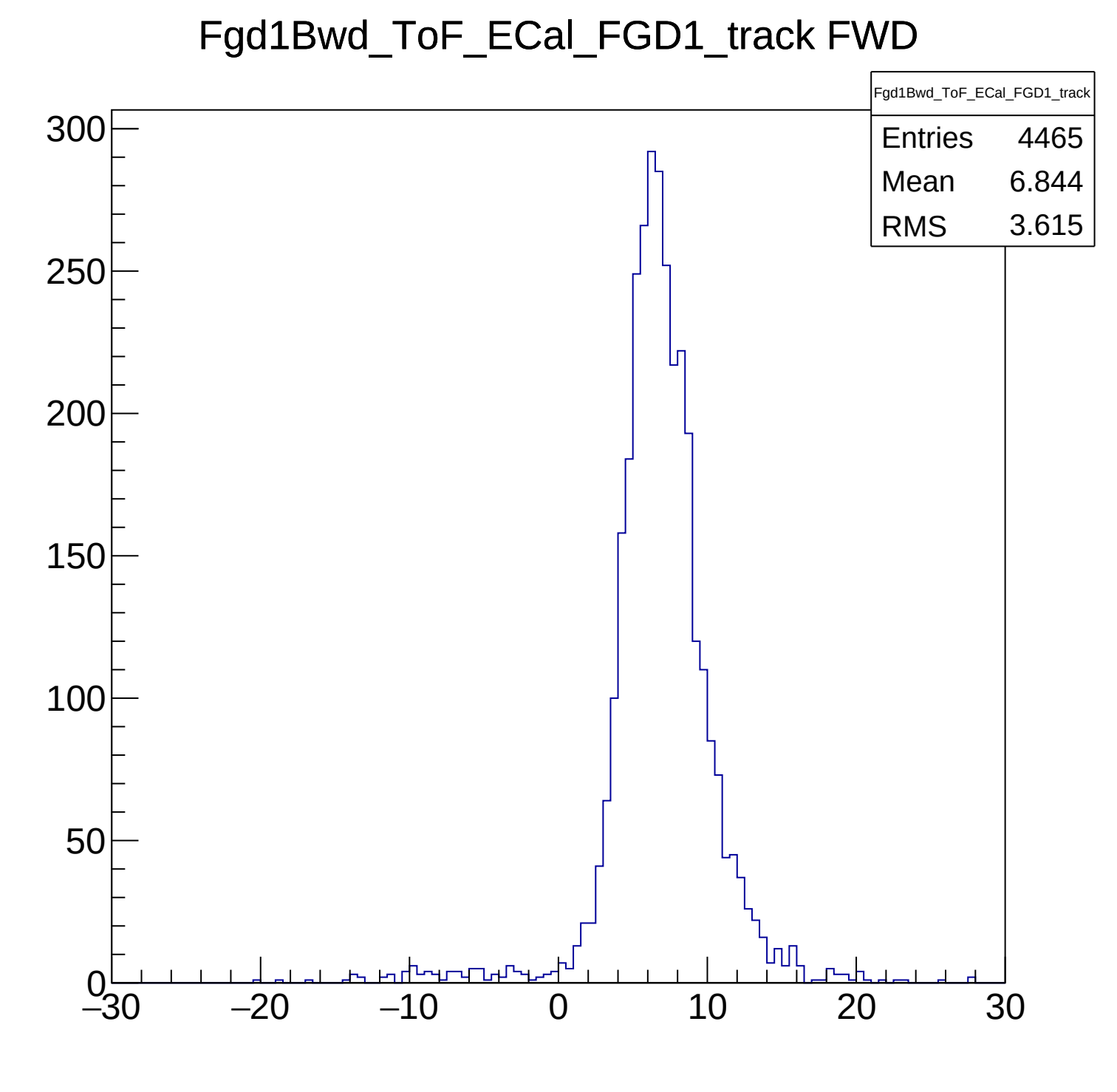

Fgd1Bwd_ToF_P0D_FGD1_shower BWD
Fgd1Bwd_ToF_P0D_FGD1_shower_bwd
Entries 549237
Mean −6.612
RMS 3.573
5000
4000
3000
2000
1000
0
−30
−20
−10
0
10
20
30


Fgd1Bwd_ToF_P0D_FGD1_shower Data
Fgd1Bwd_ToF_P0D_FGD1_shower_data
Entries 45890
Mean −7.475
RMS 4.764
250
200
150
100
50
0
−30
−20
−10
0
10
20
30


Fgd1Bwd_ToF_ECal_FGD1_track FWD
Fgd1Bwd_ToF_ECal_FGD1_track
Entries 4465
Mean 6.844
RMS 3.615
300
250
200
150
100
50
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–30
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0
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20
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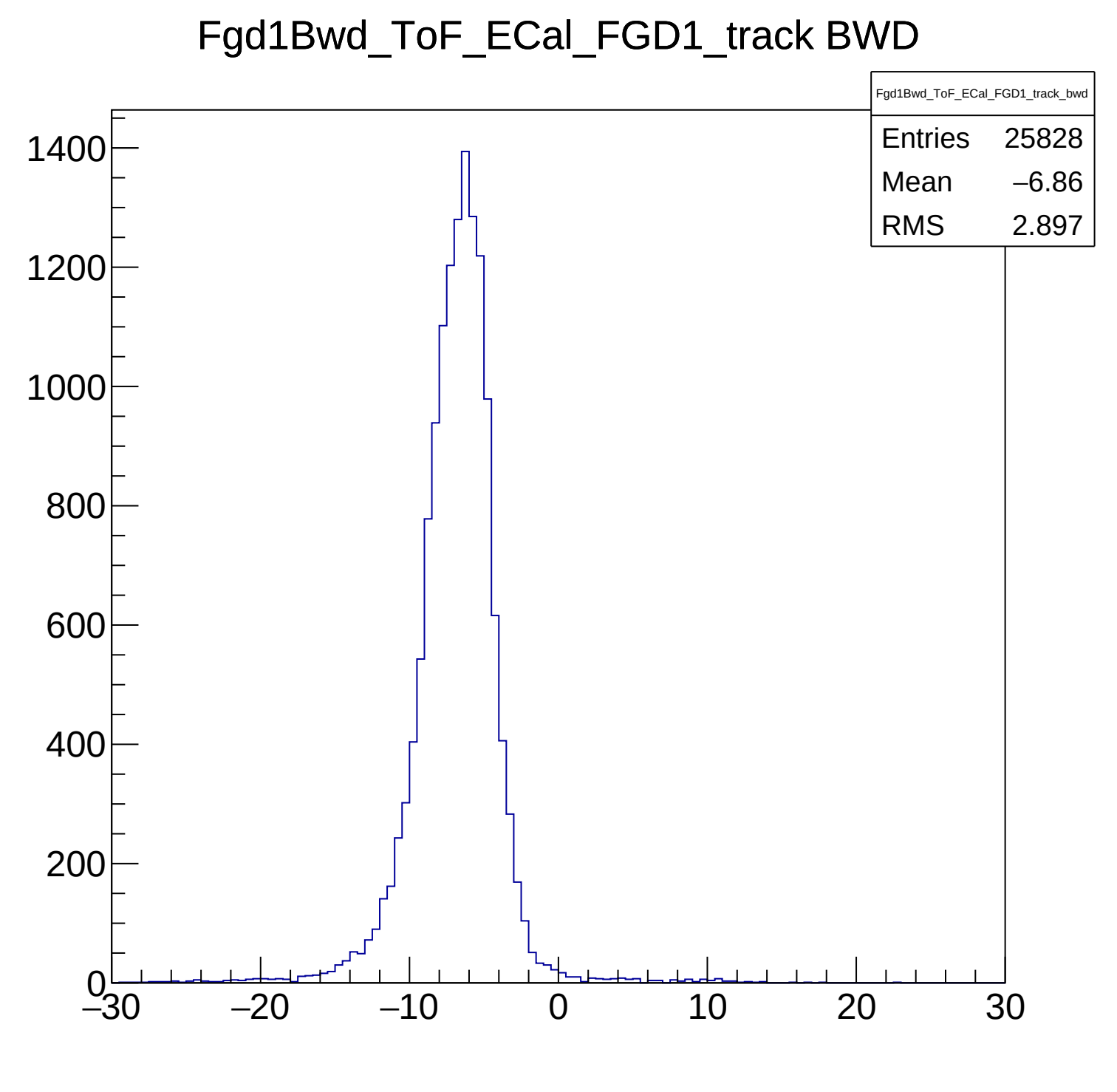
Fgd1Bwd_ToF_ECal_FGD1_track BWD
Fgd1Bwd_ToF_ECal_FGD1_track_bwd
Entries 25828
Mean –6.86
RMS 2.897
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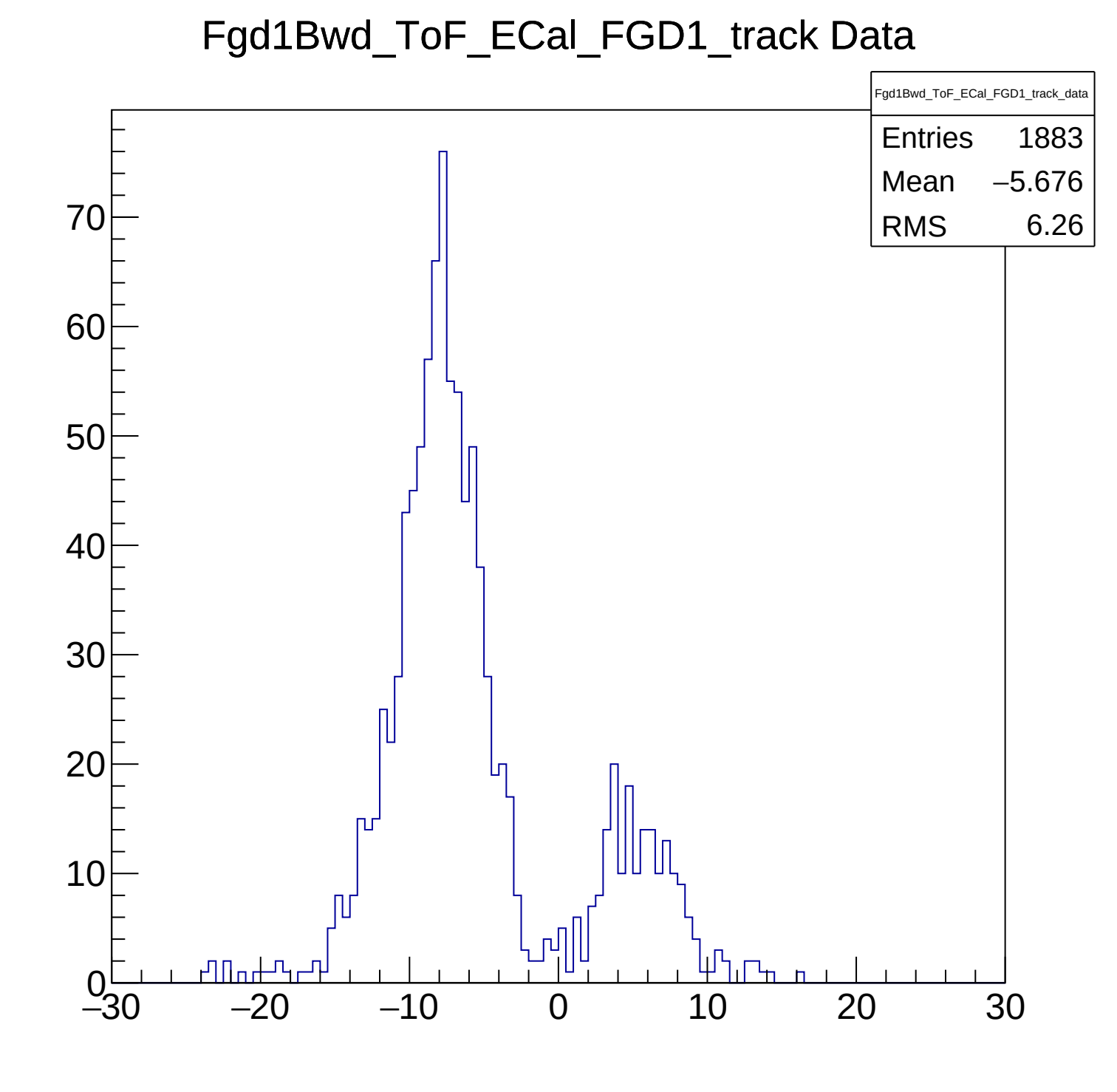
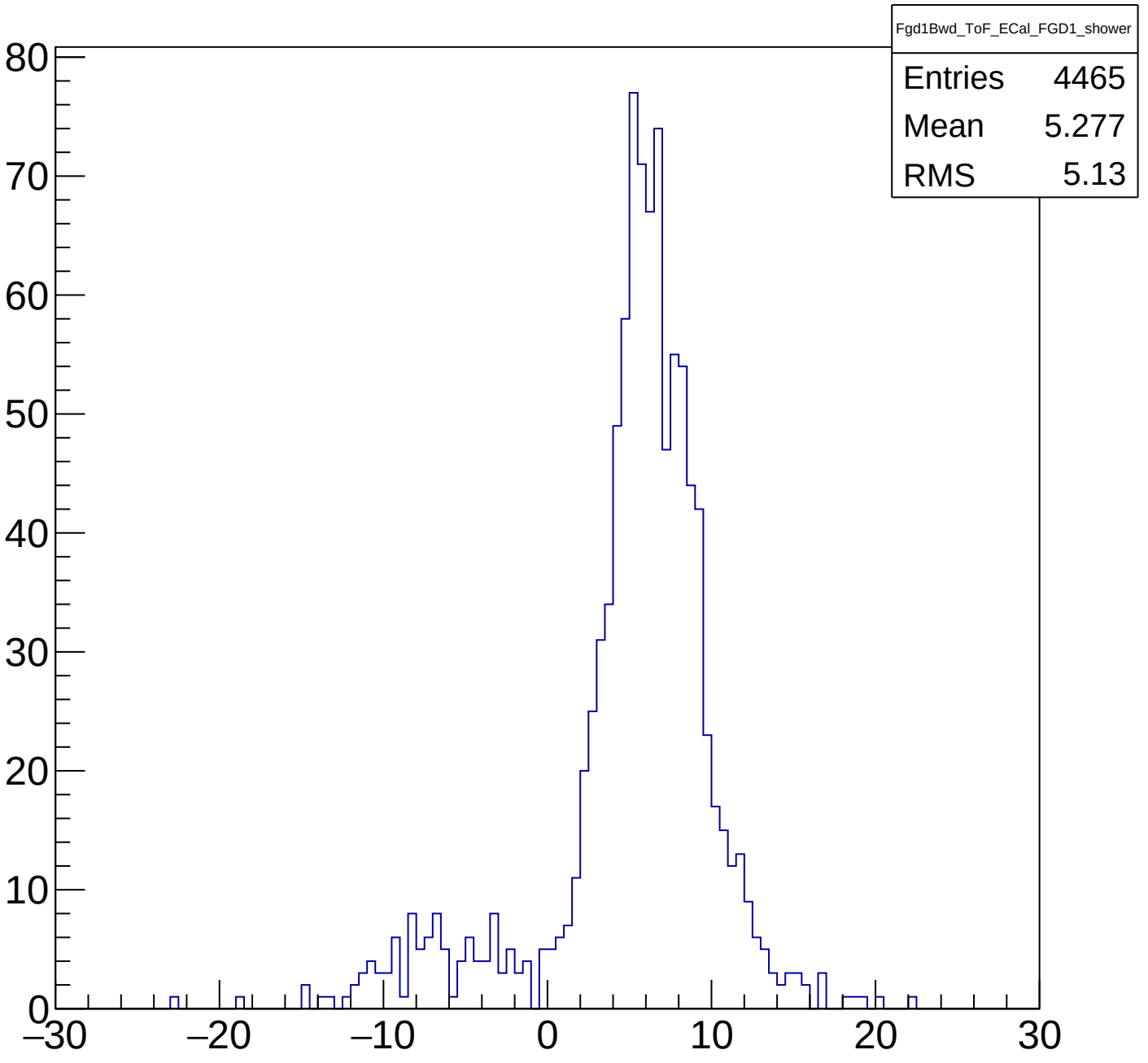
1200
1000
800
600
400
200
0
–30
–20
–10
0
10
20
30


Fgd1Bwd_ToF_ECal_FGD1_track Data
Fgd1Bwd_ToF_ECal_FGD1_track_data
Entries 1883
Mean –5.676
RMS 6.26
70
60
50
40
30
20
10
0
–30
–20
–10
0
10
20
30


Fgd1Bwd_ToF_ECal_FGD1_shower FWD
Fgd1Bwd_ToF_ECal_FGD1_shower
Entries 4465
Mean 5.277
RMS 5.13
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70
60
50
40
30
20
10
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–30
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0
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20
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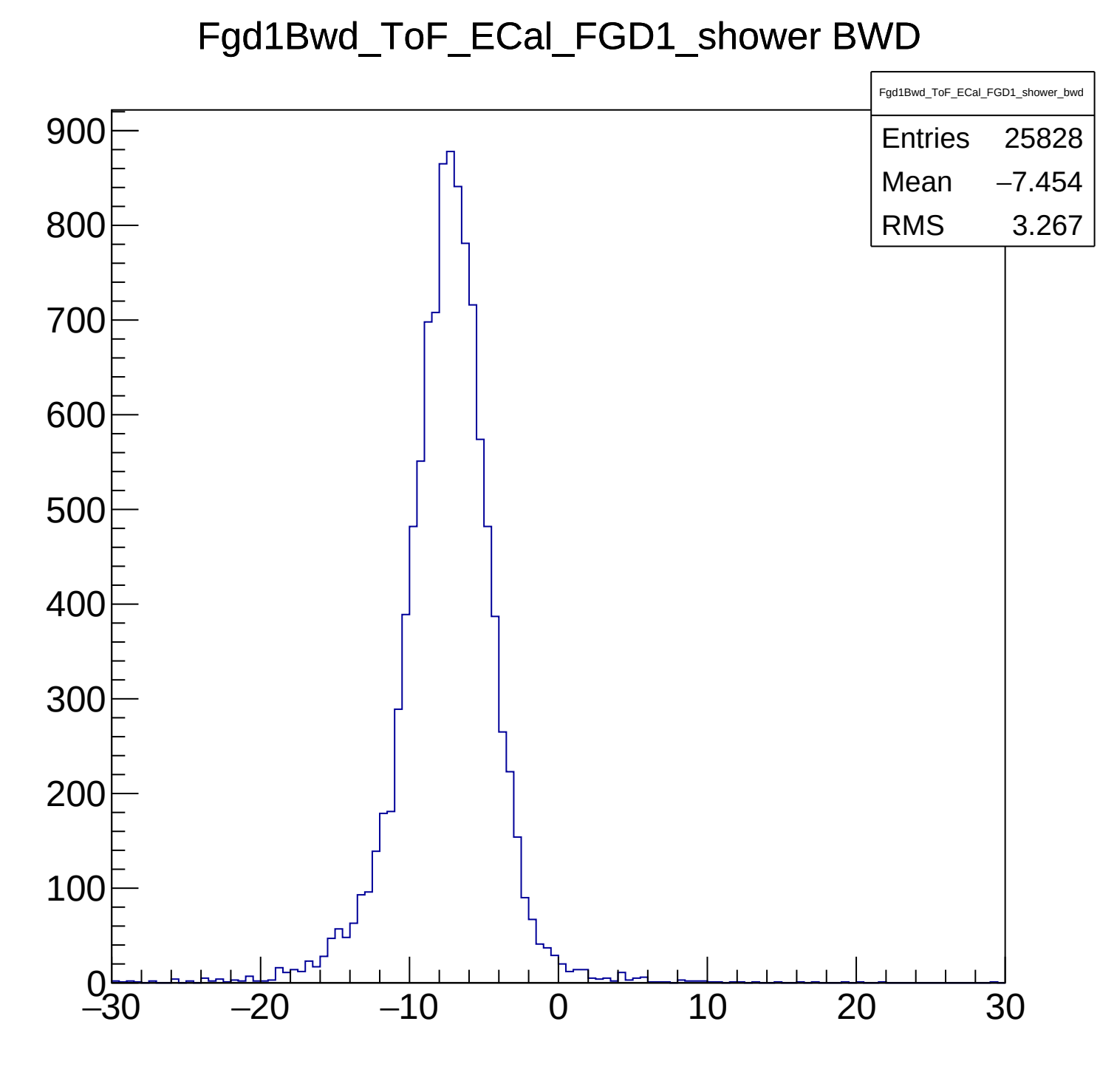
Fgd1Bwd_ToF_ECal_FGD1_shower BWD
Fgd1Bwd_ToF_ECal_FGD1_shower_bwd
Entries 25828
Mean –7.454
RMS 3.267
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800
700
600
500
400
300
200
100
0
–30
–20
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0
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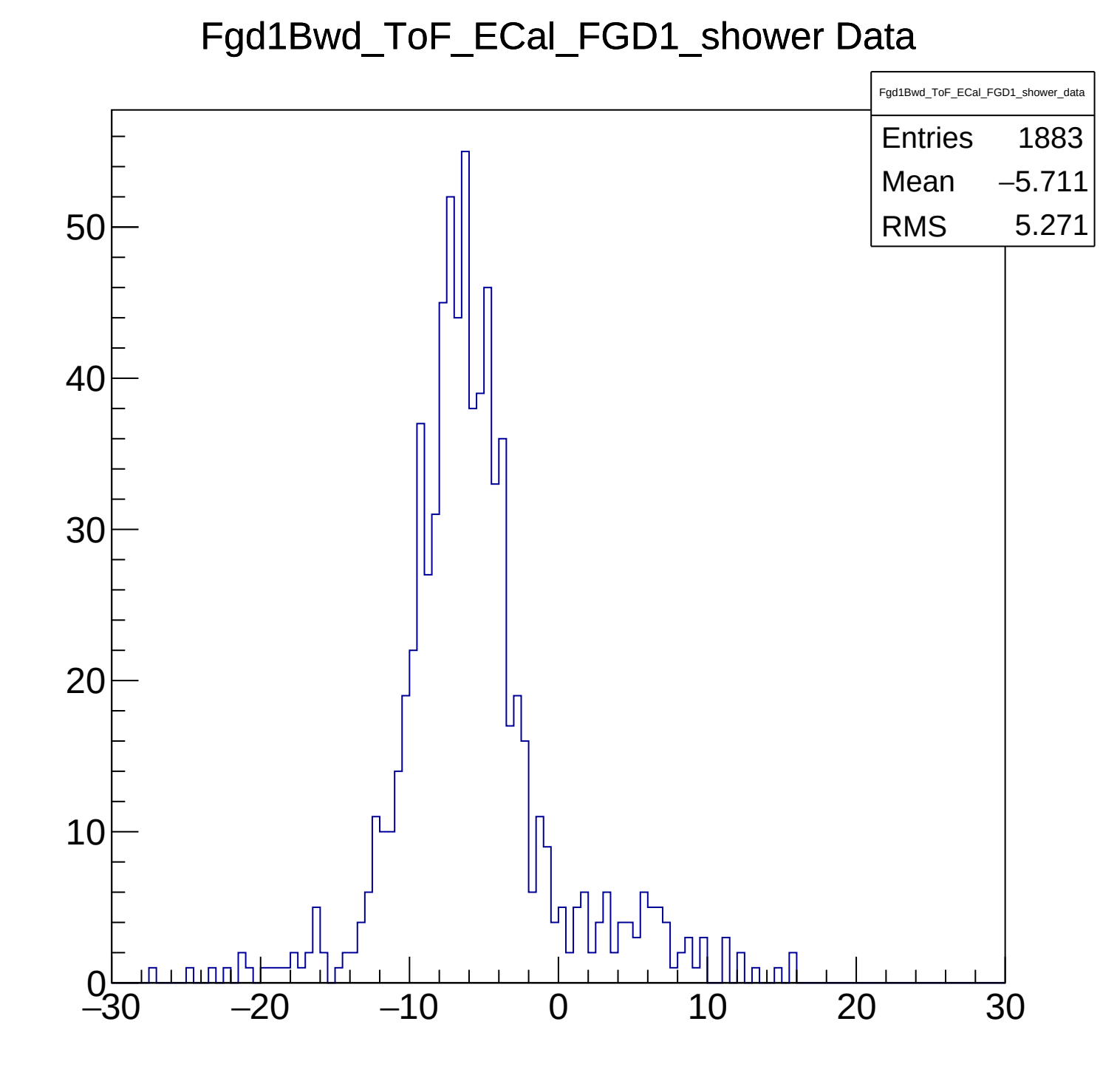
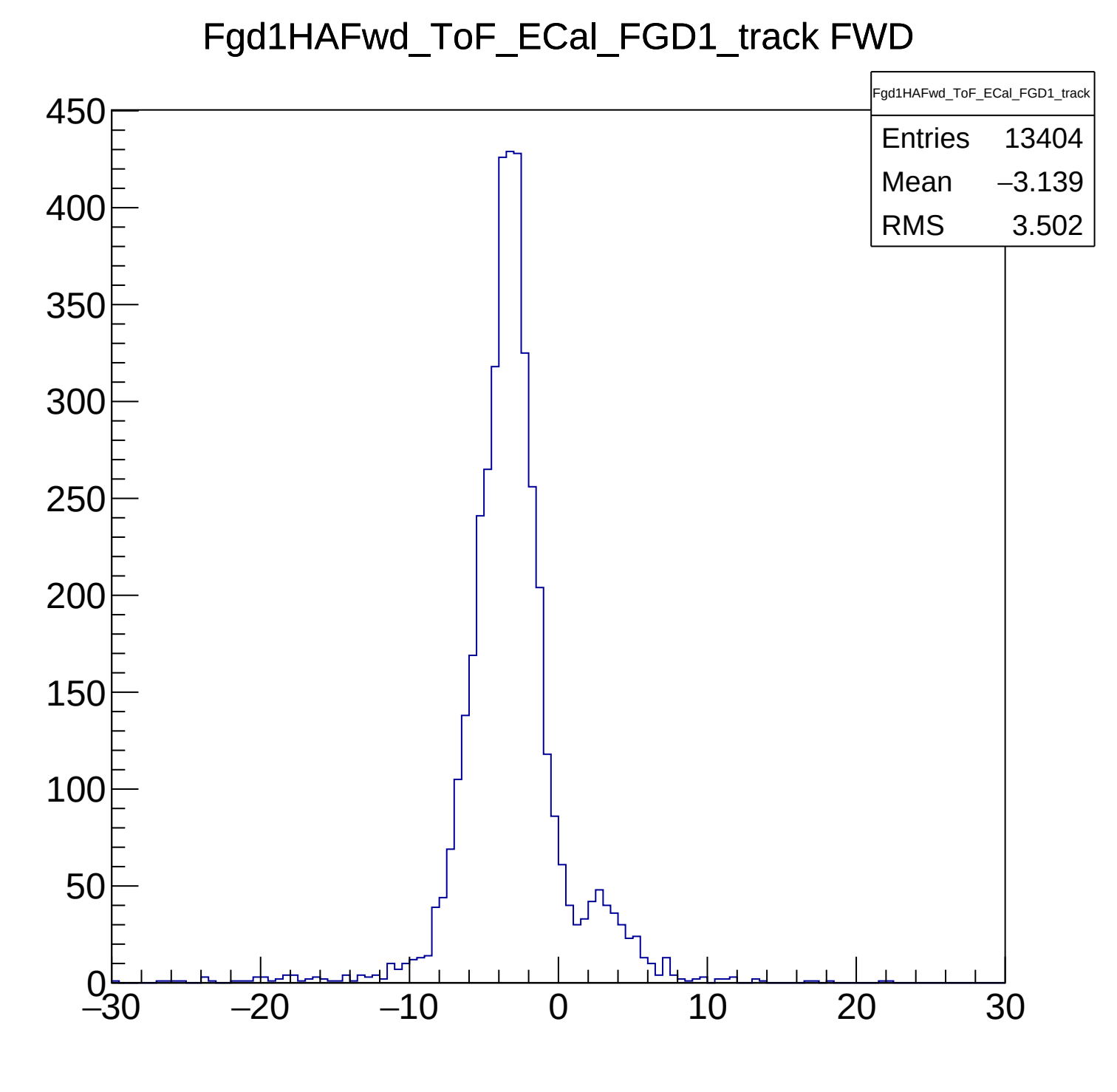
30


Fgd1Bwd_ToF_ECal_FGD1_shower Data
Fgd1Bwd_ToF_ECal_FGD1_shower_data
Entries 1883
Mean –5.711
RMS 5.271
50
40
30
20
10
0
–30
–20
–10
0
10
20
30


Fgd1HAFwd_ToF_ECal_FGD1_track FWD
Fgd1HAFwd_ToF_ECal_FGD1_track
Entries 13404
Mean –3.139
RMS 3.502
450
400
350
300
250
200
150
100
50
0
–30
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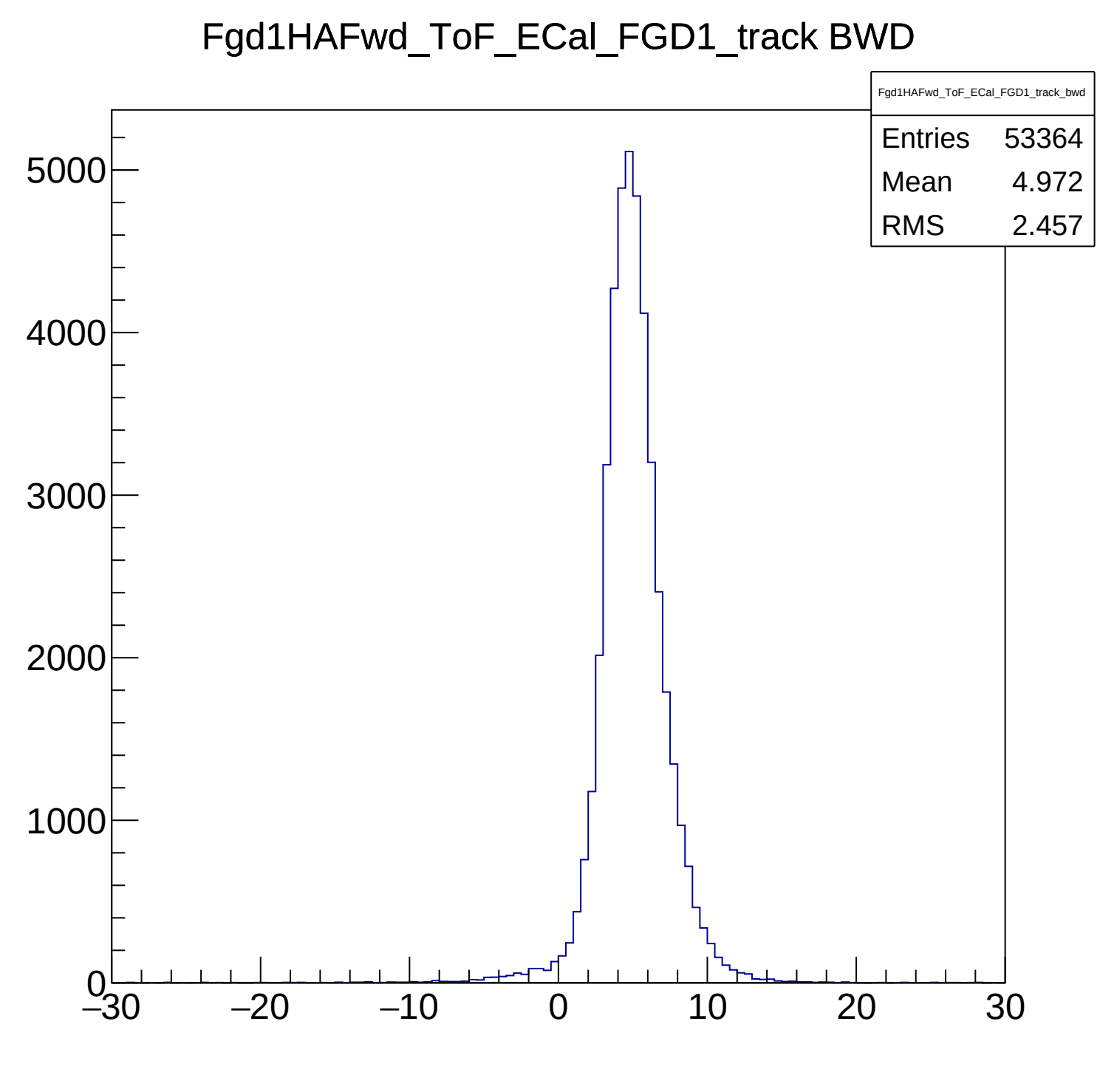
–10
0
10
20
30


Fgd1HAFwd_ToF_ECal_FGD1_track BWD
Fgd1HAFwd_ToF_ECal_FGD1_track_bwd
Entries 53364
Mean 4.972
RMS 2.457
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4000
3000
2000
1000
0
–30
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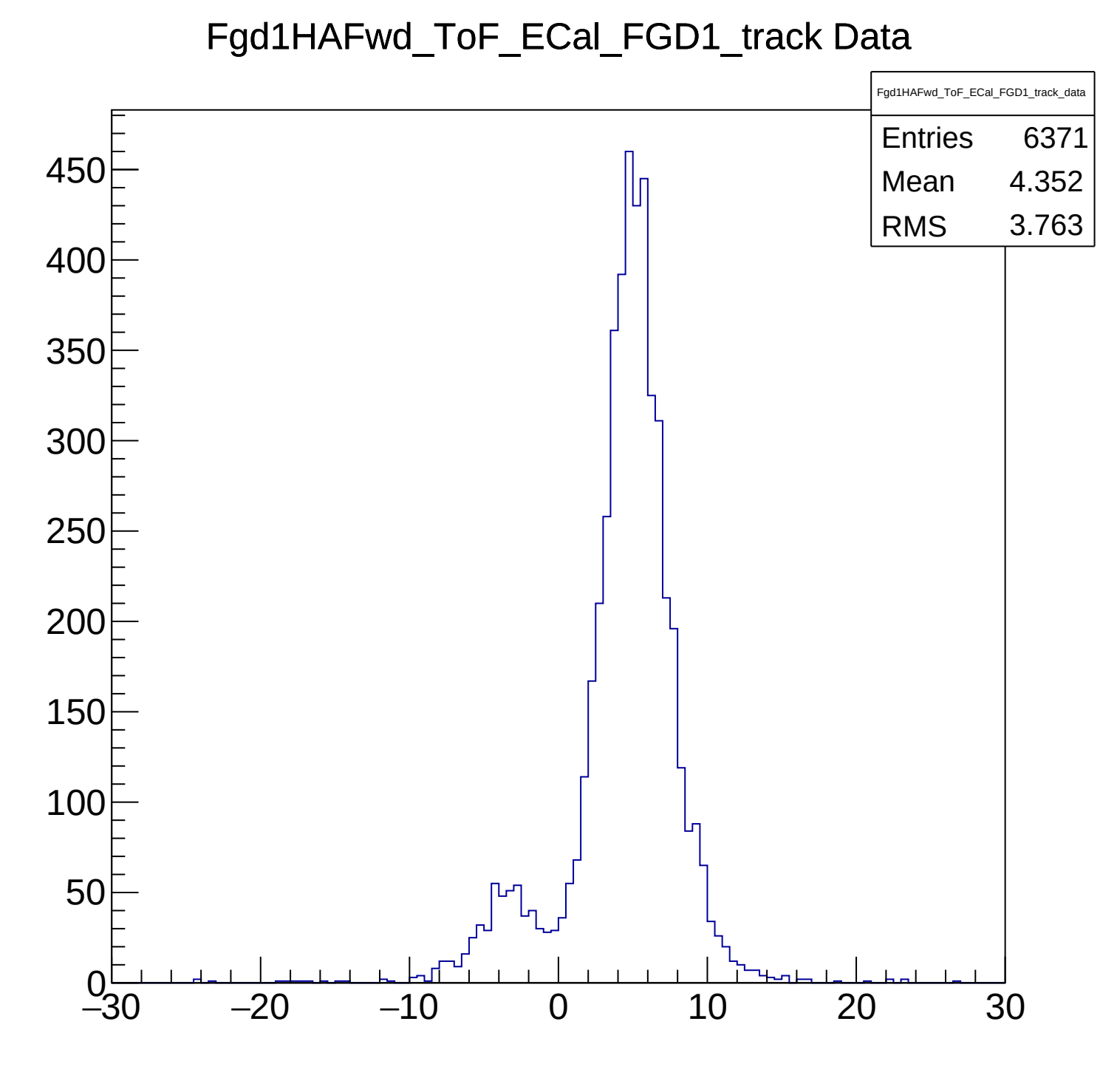
–10
0
10
20
30


Fgd1HAFwd_ToF_ECal_FGD1_track Data
Fgd1HAFwd_ToF_ECal_FGD1_track_data
Entries 6371
Mean 4.352
RMS 3.763
450
400
350
300
250
200
150
100
50
0
–30
–20
–10
0
10
20
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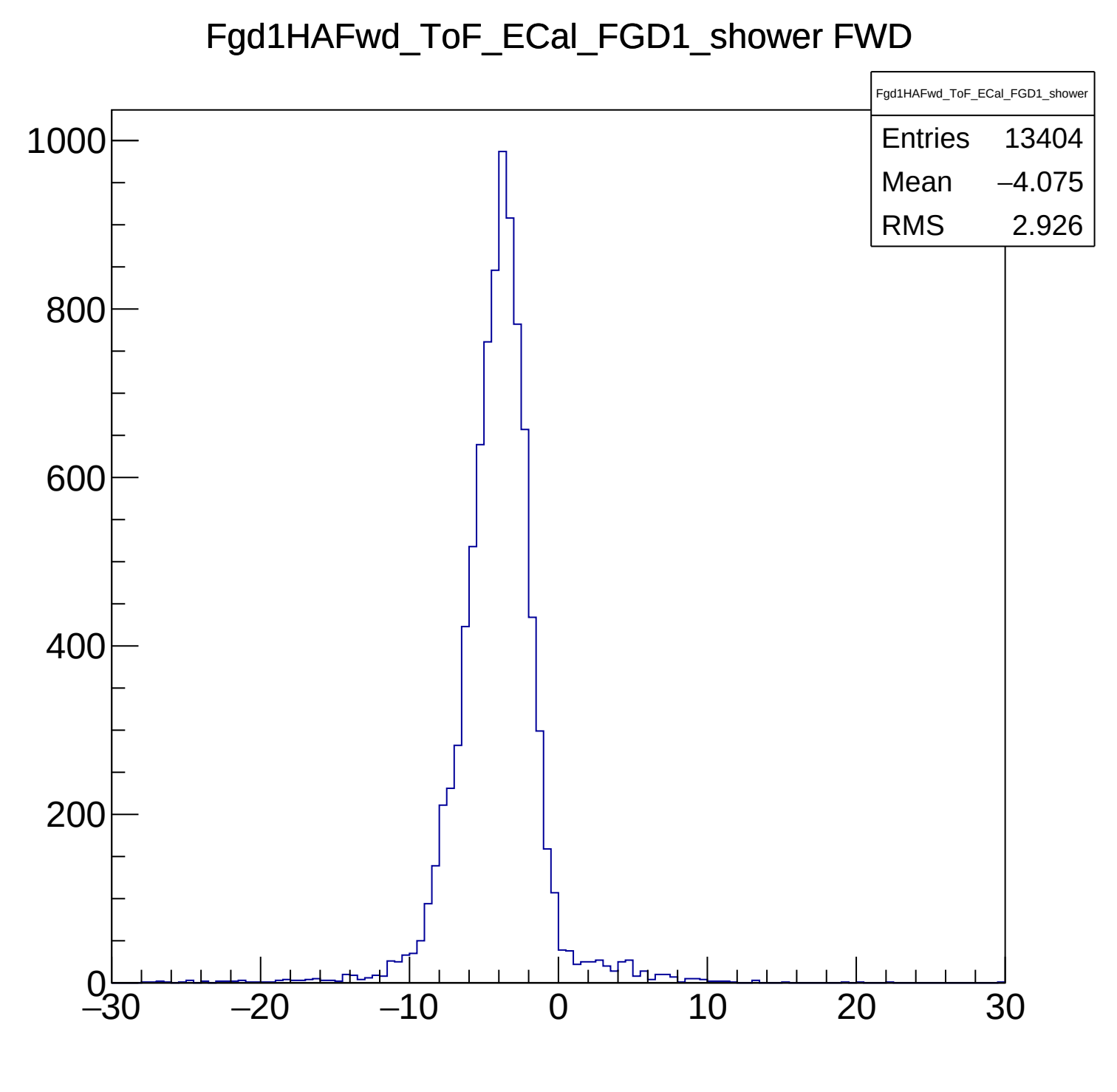
Fgd1HAFwd_ToF_ECal_FGD1_shower FWD
Fgd1HAFwd_ToF_ECal_FGD1_shower
Entries 13404
Mean –4.075
RMS 2.926
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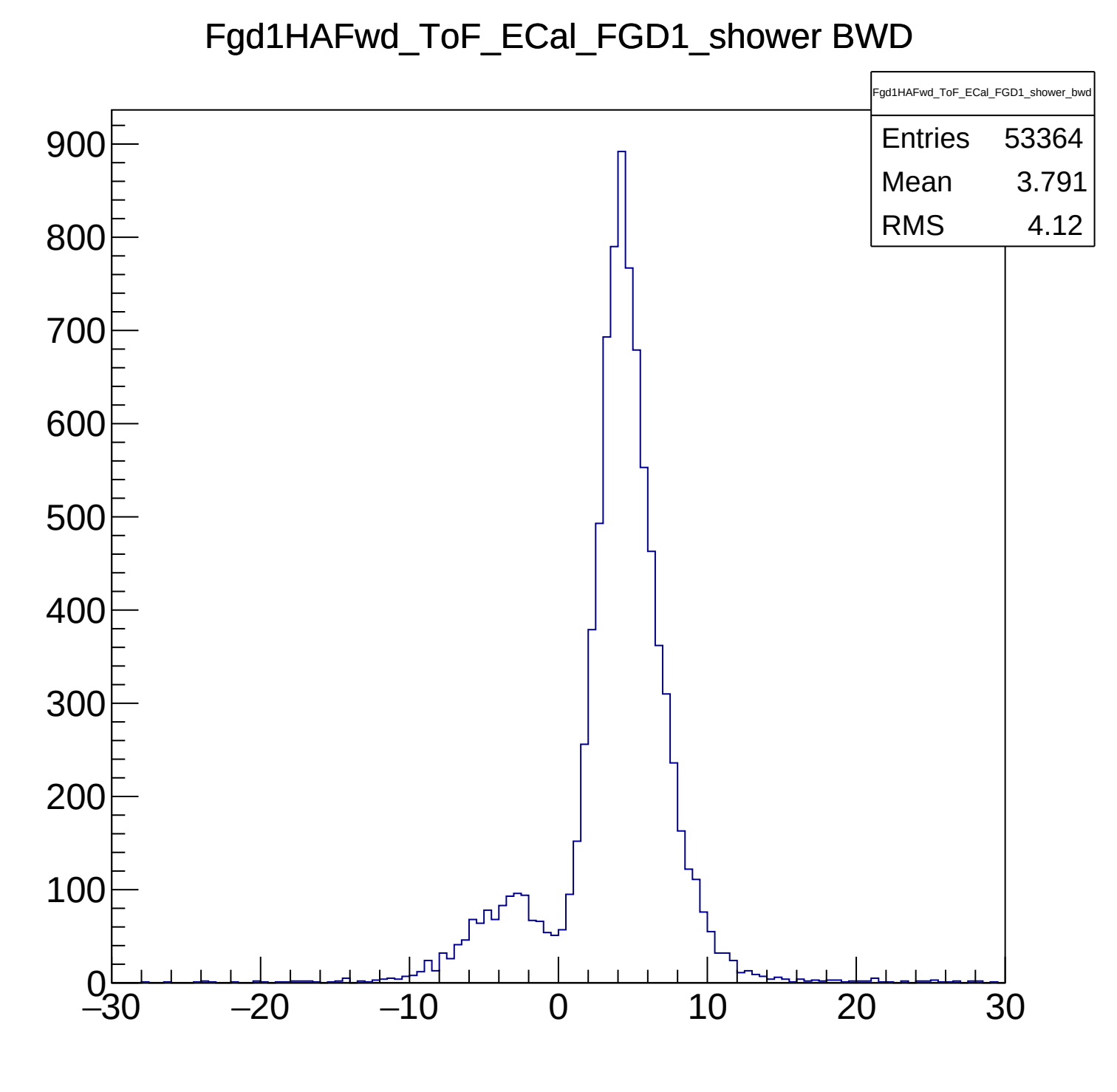
Fgd1HAFwd_ToF_ECal_FGD1_shower BWD
Fgd1HAFwd_ToF_ECal_FGD1_shower_bwd
Entries 53364
Mean 3.791
RMS 4.12
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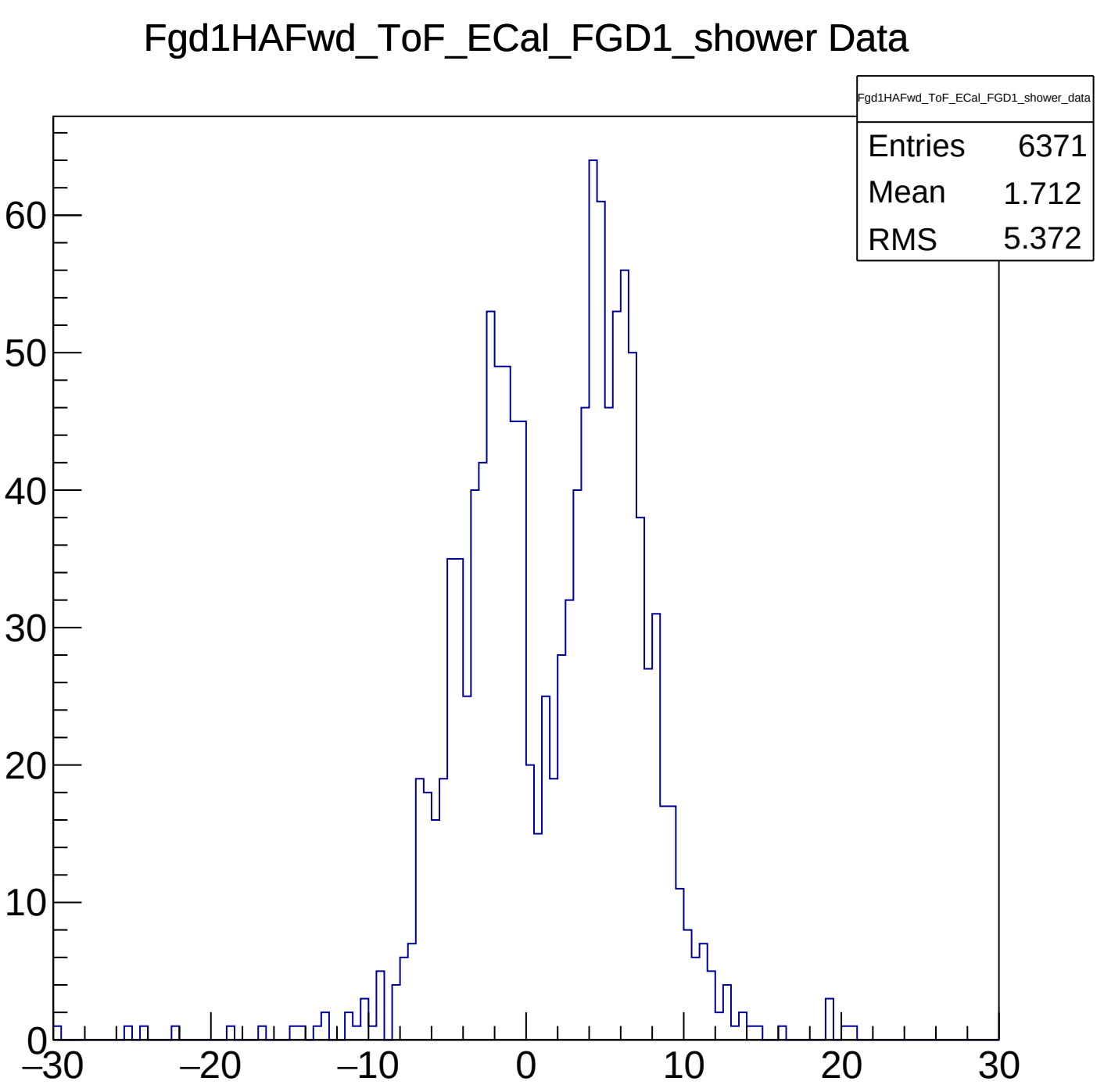
Fgd1HAFwd_ToF_ECal_FGD1_shower Data
Fgd1HAFwd_ToF_ECal_FGD1_shower_data
Entries 6371
Mean 1.712
RMS 5.372
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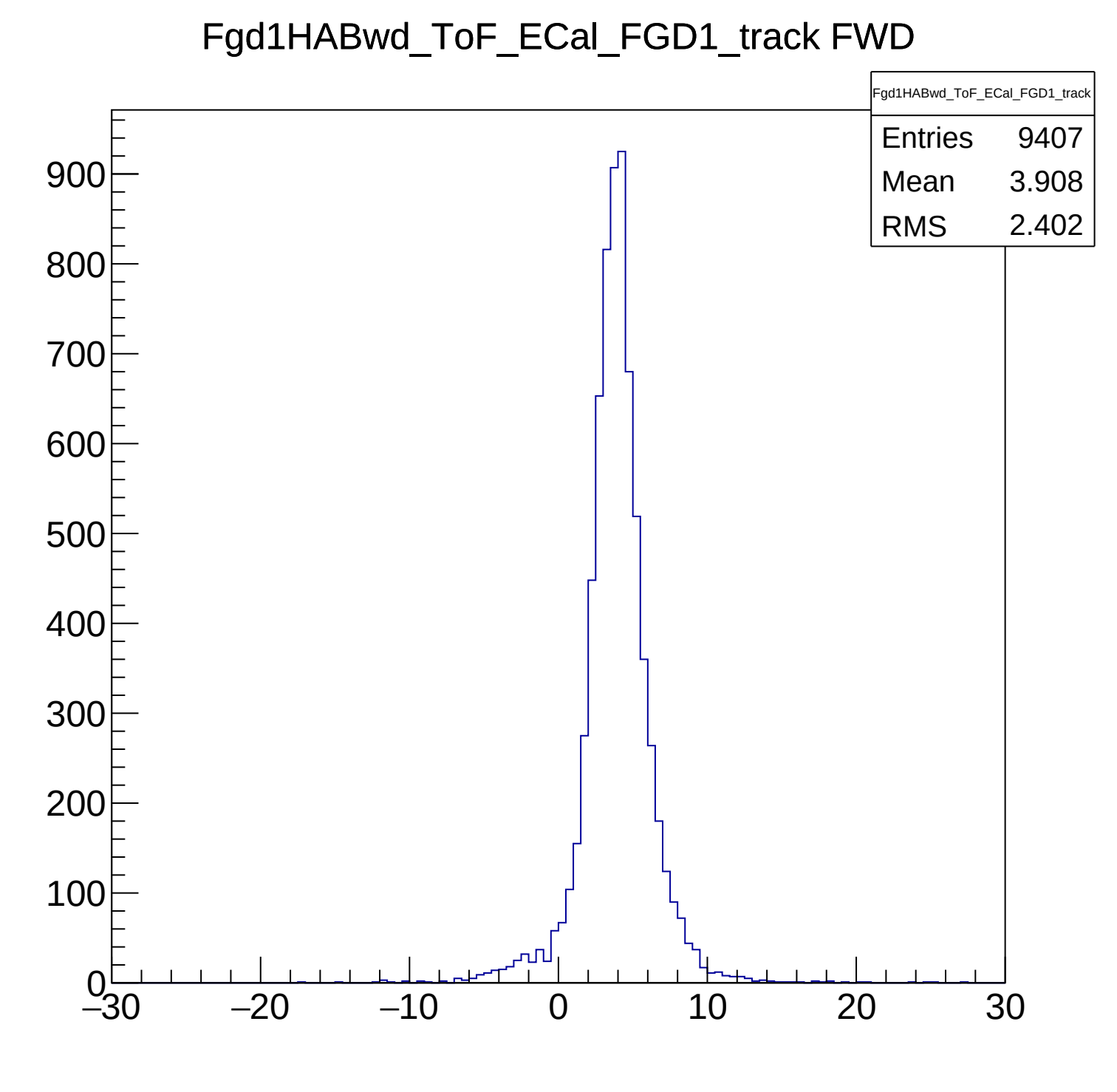
Fgd1HABwd_ToF_ECal_FGD1_track FWD
Fgd1HABwd_ToF_ECal_FGD1_track
Entries 9407
Mean 3.908
RMS 2.402
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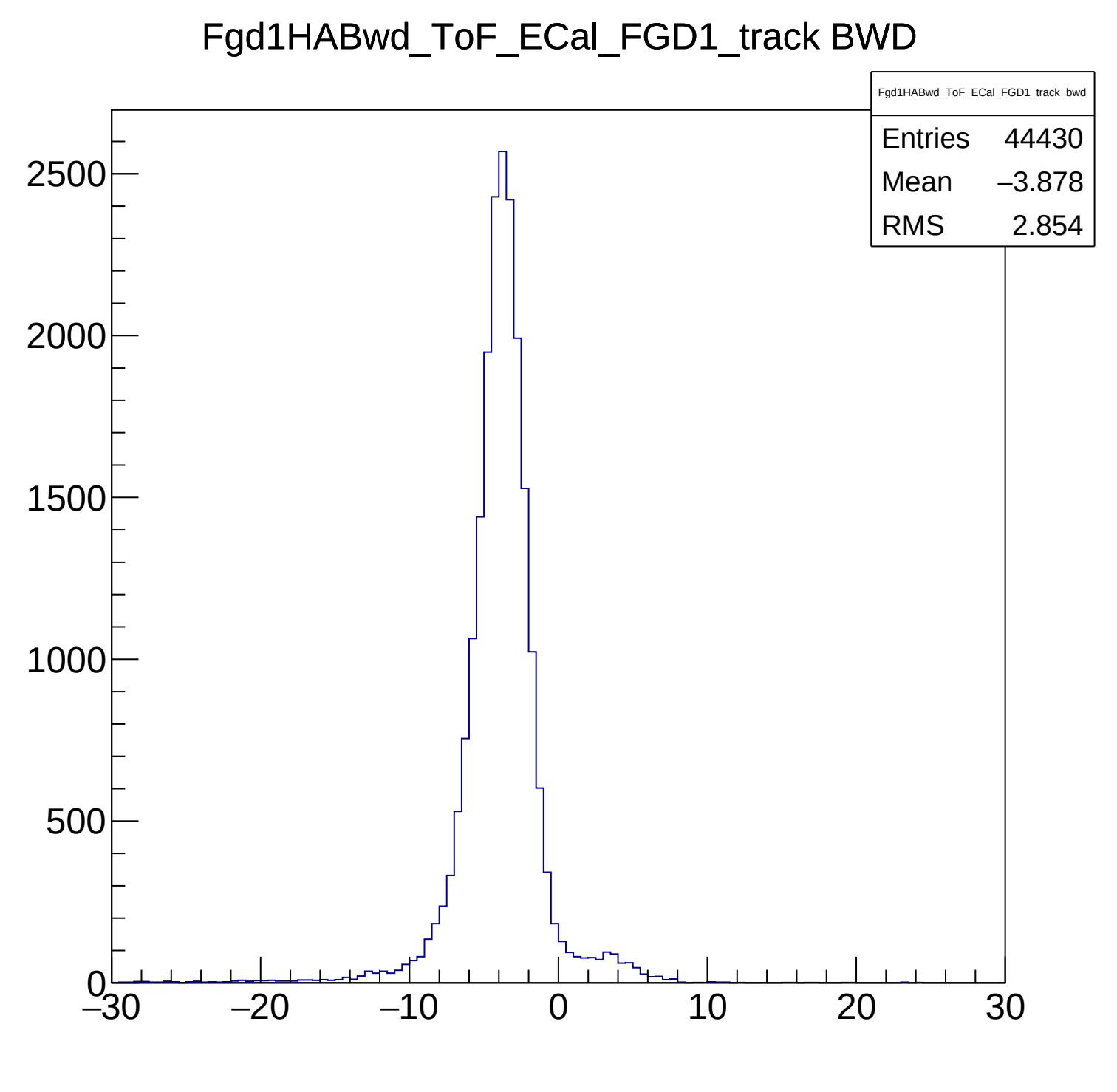
Fgd1HABwd_ToF_ECal_FGD1_track BWD
Fgd1HABwd_ToF_ECal_FGD1_track_bwd
Entries 44430
Mean –3.878
RMS 2.854
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2000
1500
1000
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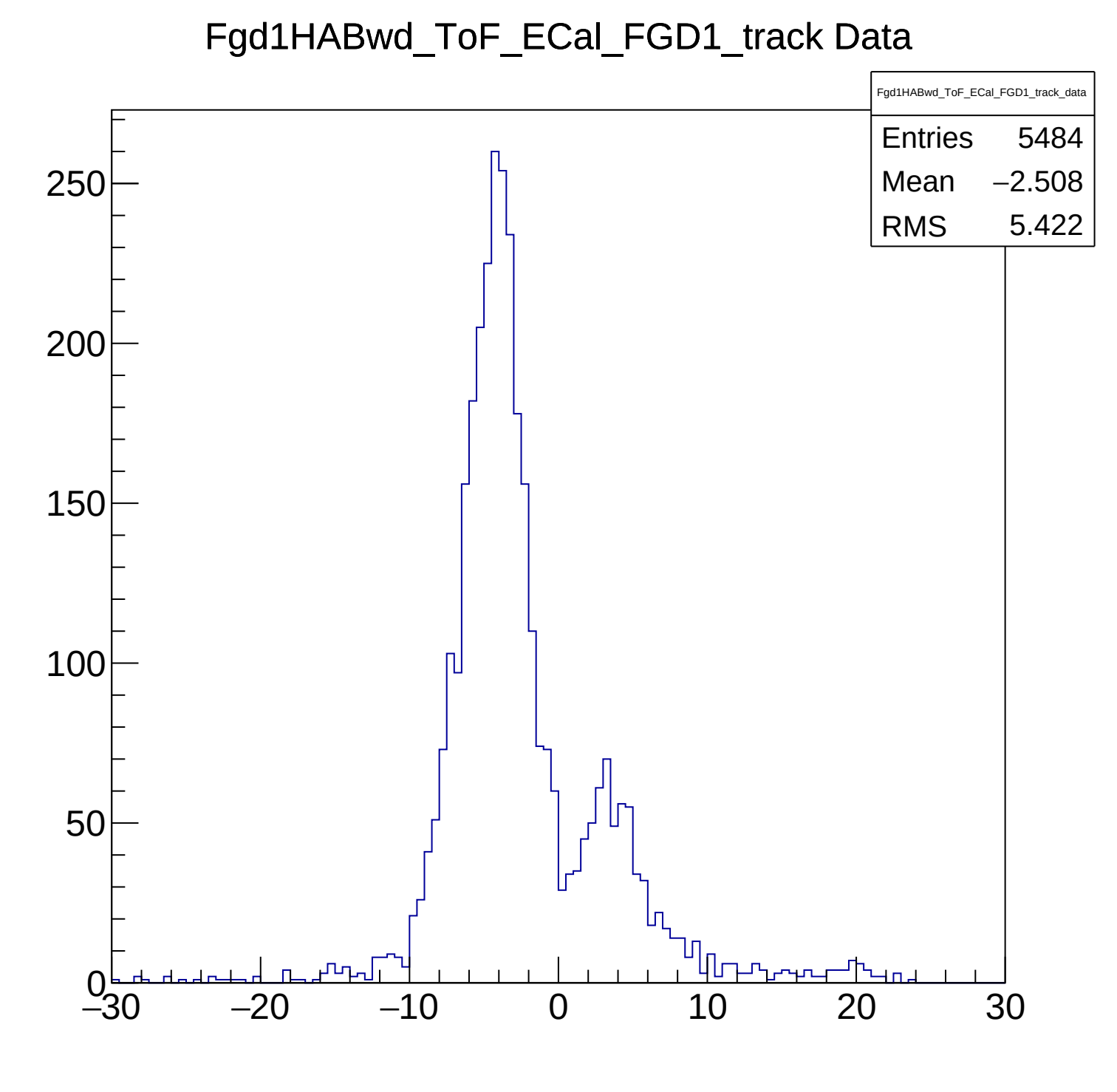
Fgd1HABwd_ToF_ECal_FGD1_track Data
Fgd1HABwd_ToF_ECal_FGD1_track_data
Entries 5484
Mean −2.508
RMS 5.422
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200
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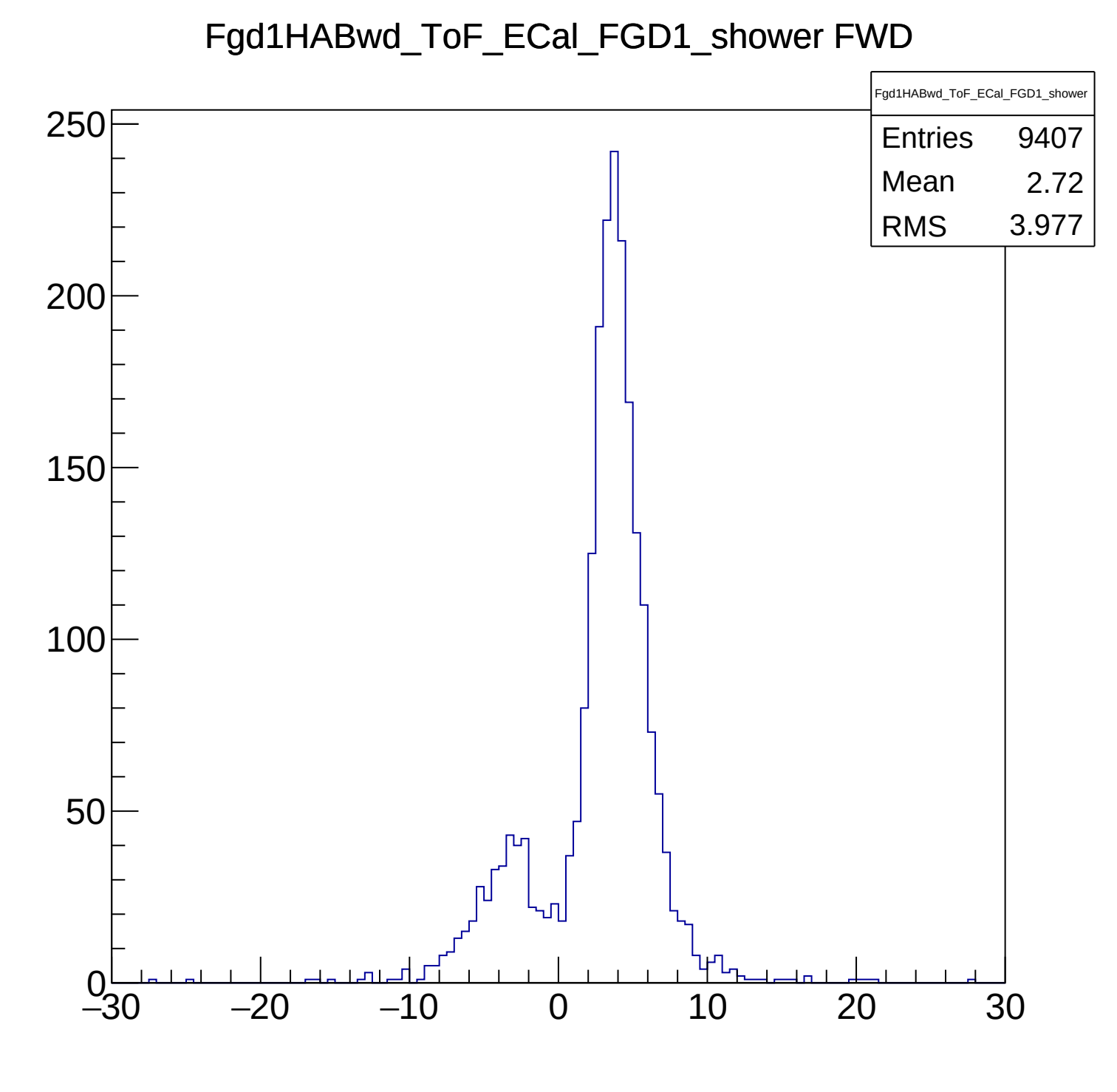
Fgd1HABwd_ToF_ECal_FGD1_shower FWD
Fgd1HABwd_ToF_ECal_FGD1_shower
Entries 9407
Mean 2.72
RMS 3.977
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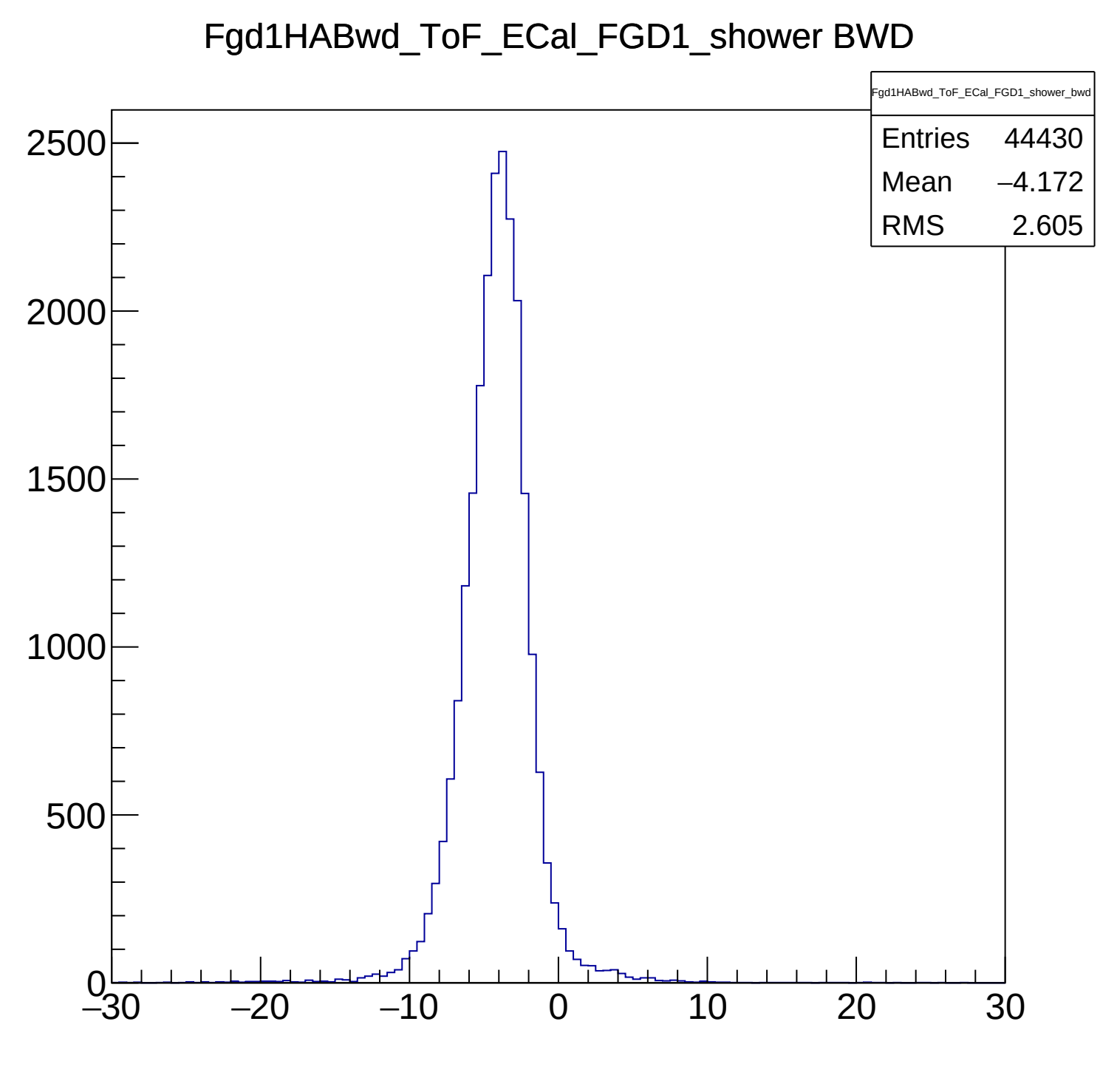
Fgd1HABwd_ToF_ECal_FGD1_shower BWD
Fgd1HABwd_ToF_ECal_FGD1_shower_bwd
Entries 44430
Mean –4.172
RMS 2.605
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1500
1000
500
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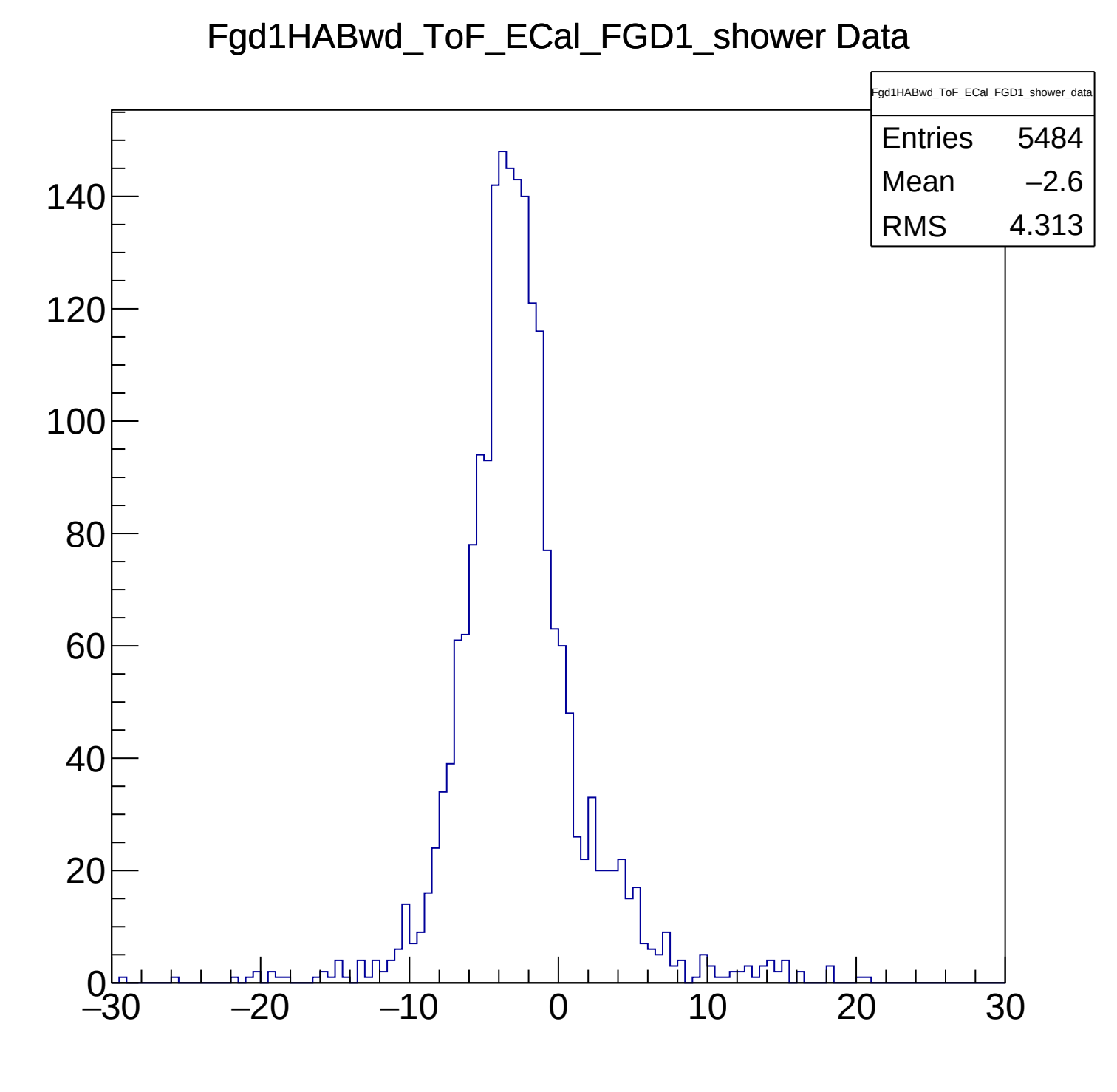
Fgd1HABwd_ToF_ECal_FGD1_shower Data
Fgd1HABwd_ToF_ECal_FGD1_shower_data
Entries 5484
Mean −2.6
RMS 4.313
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120
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80
60
40
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−10
0
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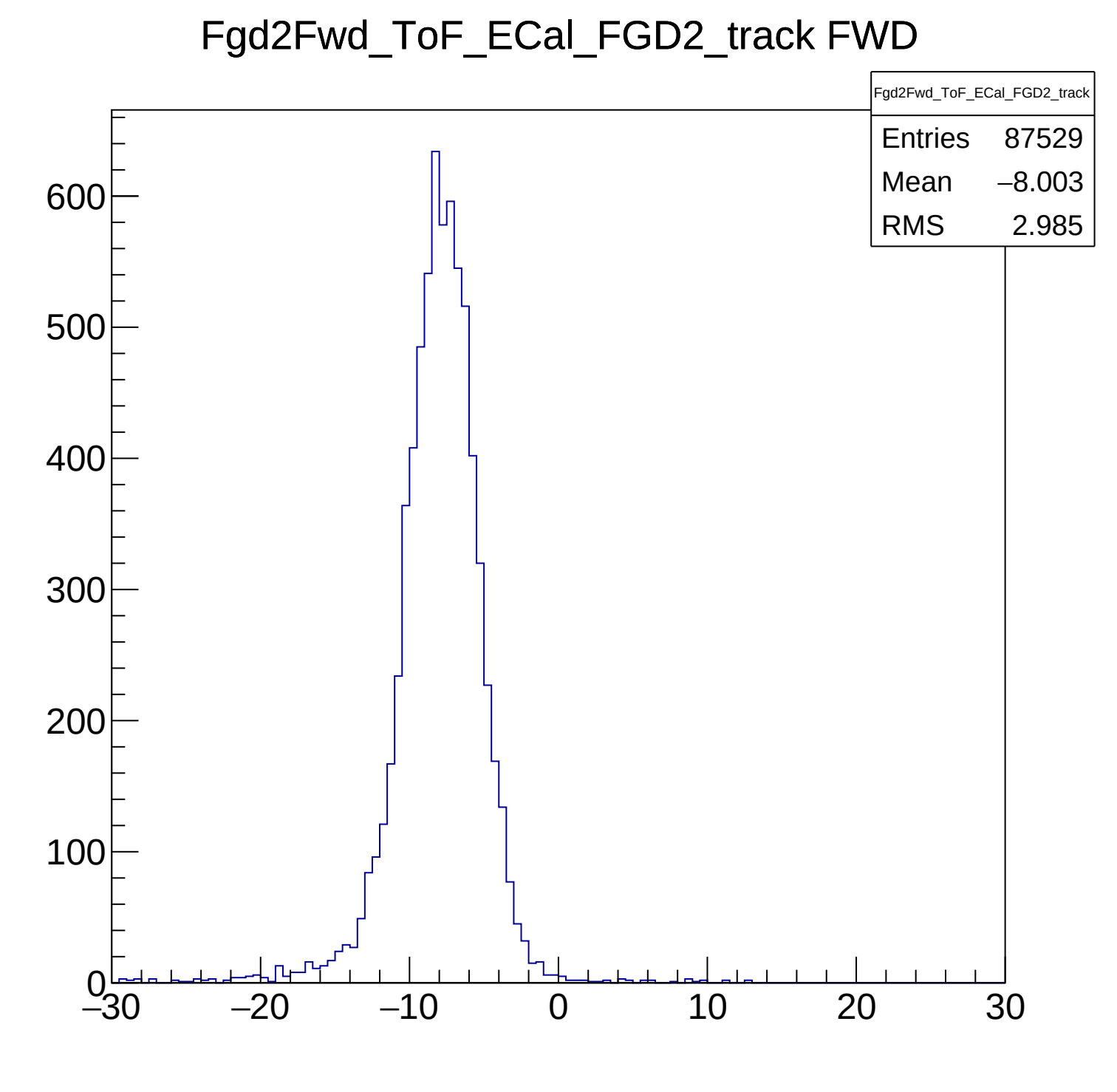
Fgd2Fwd_ToF_ECal_FGD2_track FWD
Fgd2Fwd_ToF_ECal_FGD2_track
Entries 87529
Mean –8.003
RMS 2.985
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500
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300
200
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0
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20
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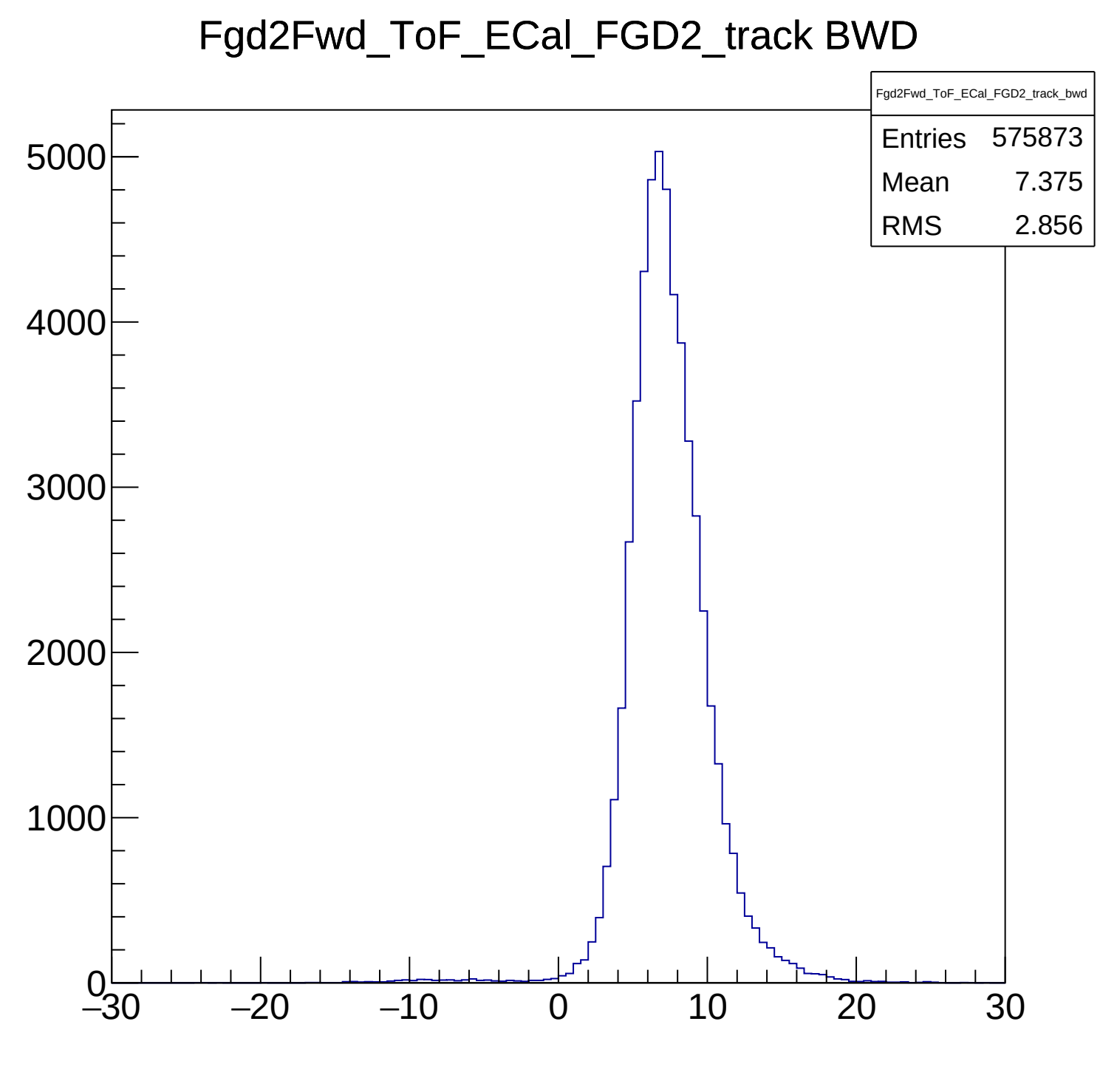
Fgd2Fwd_ToF_ECal_FGD2_track BWD
Fgd2Fwd_ToF_ECal_FGD2_track_bwd
Entries 575873
Mean 7.375
RMS 2.856
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4000
3000
2000
1000
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0
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20
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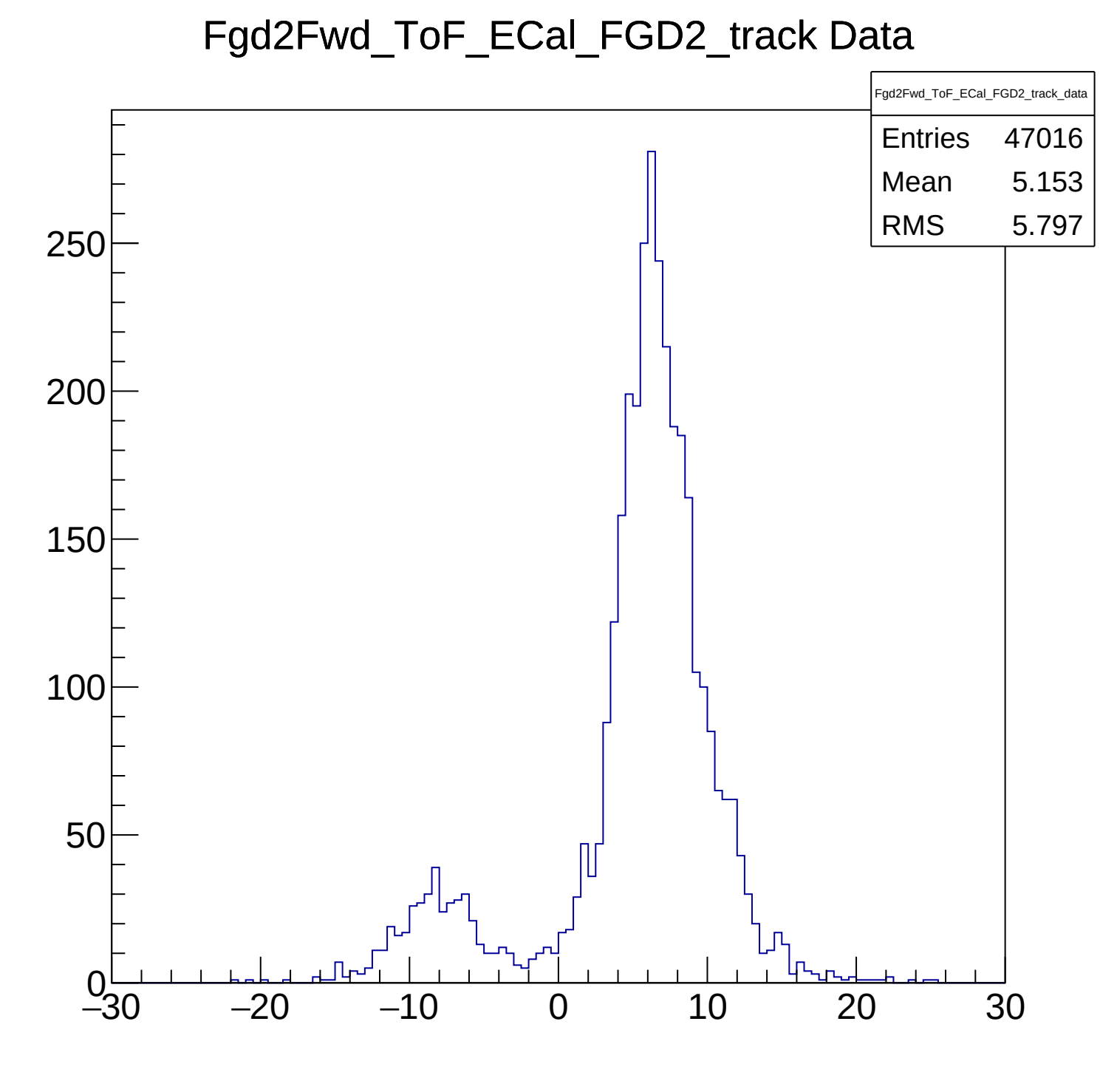
Fgd2Fwd_ToF_ECal_FGD2_track Data
Fgd2Fwd_ToF_ECal_FGD2_track_data
Entries 47016
Mean 5.153
RMS 5.797
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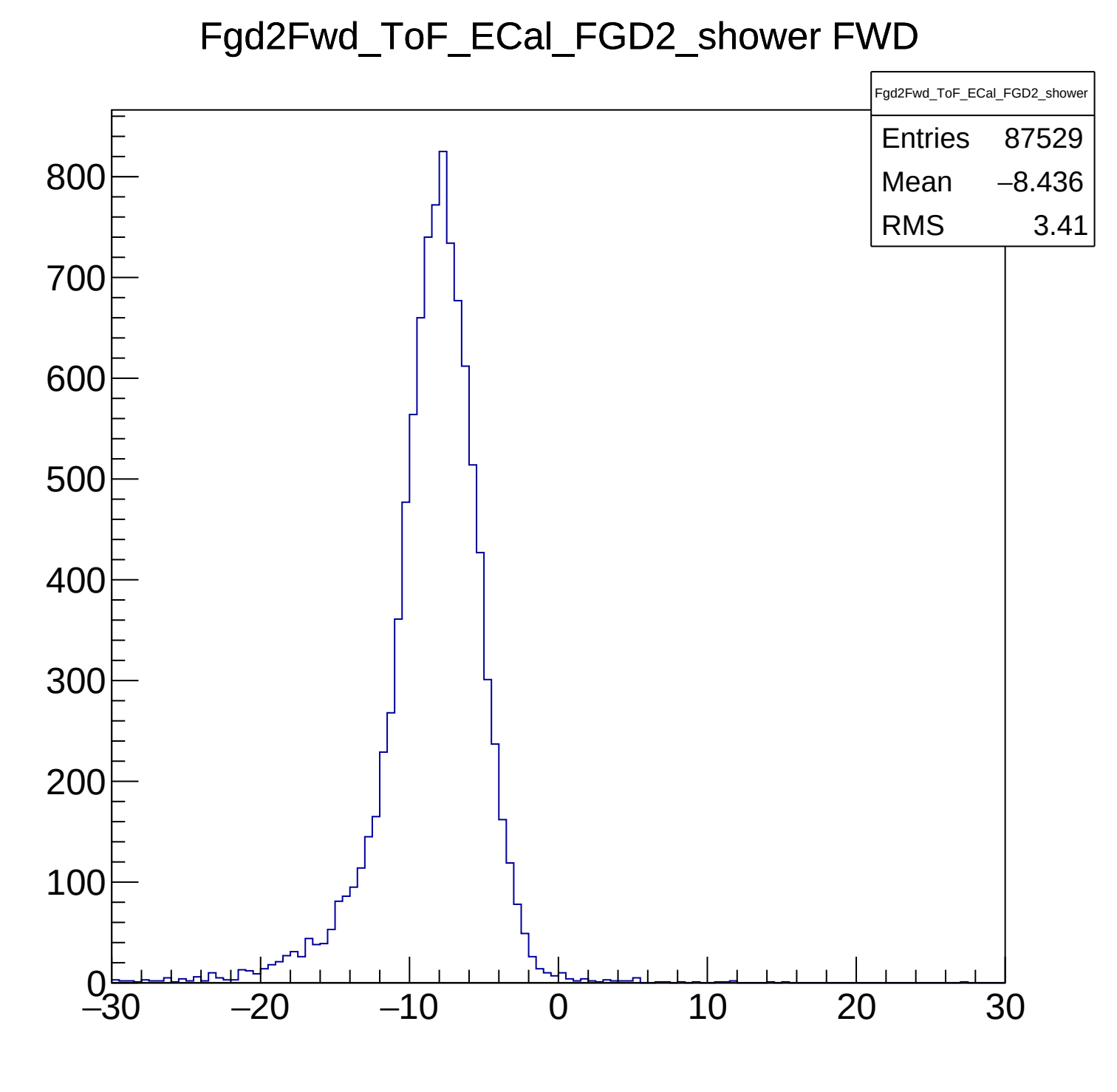
Fgd2Fwd_ToF_ECal_FGD2_shower FWD
Fgd2Fwd_ToF_ECal_FGD2_shower
Entries 87529
Mean –8.436
RMS 3.41
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200
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–30
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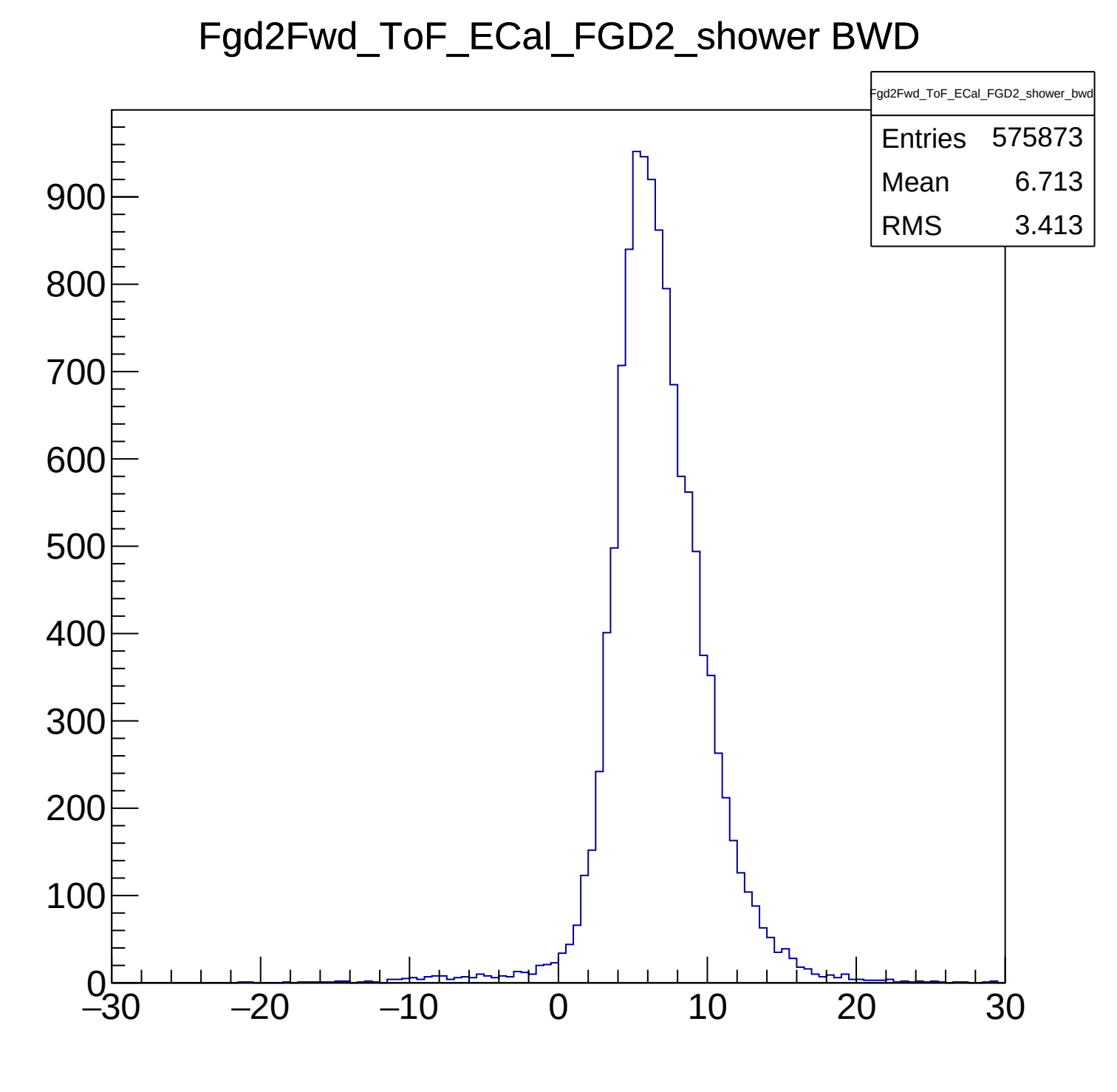
Fgd2Fwd_ToF_ECal_FGD2_shower BWD
Fgd2Fwd_ToF_ECal_FGD2_shower_bwd
Entries 575873
Mean 6.713
RMS 3.413
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700
600
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200
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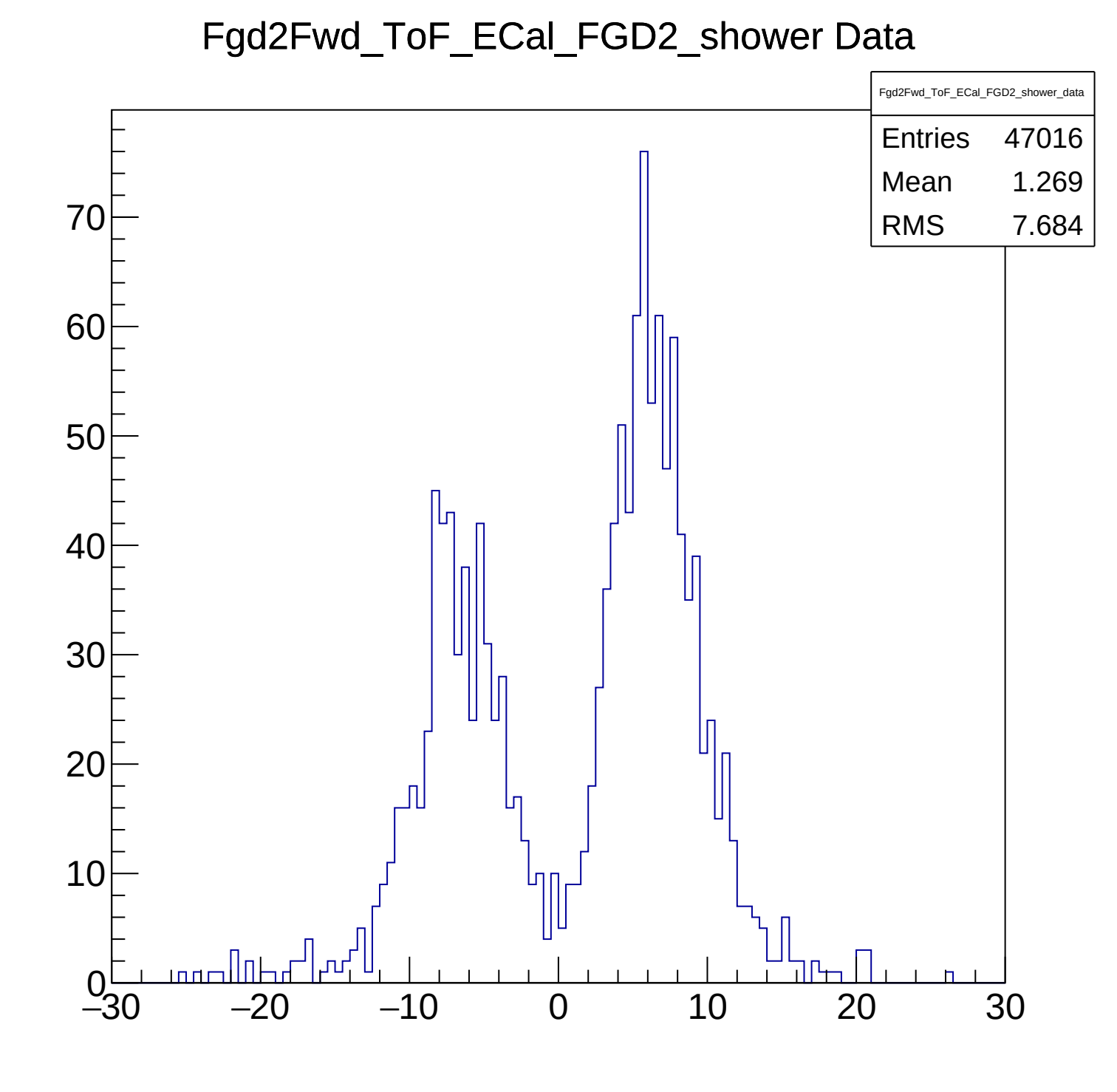
Fgd2Fwd_ToF_ECal_FGD2_shower Data
Fgd2Fwd_ToF_ECal_FGD2_shower_data
Entries 47016
Mean 1.269
RMS 7.684
70
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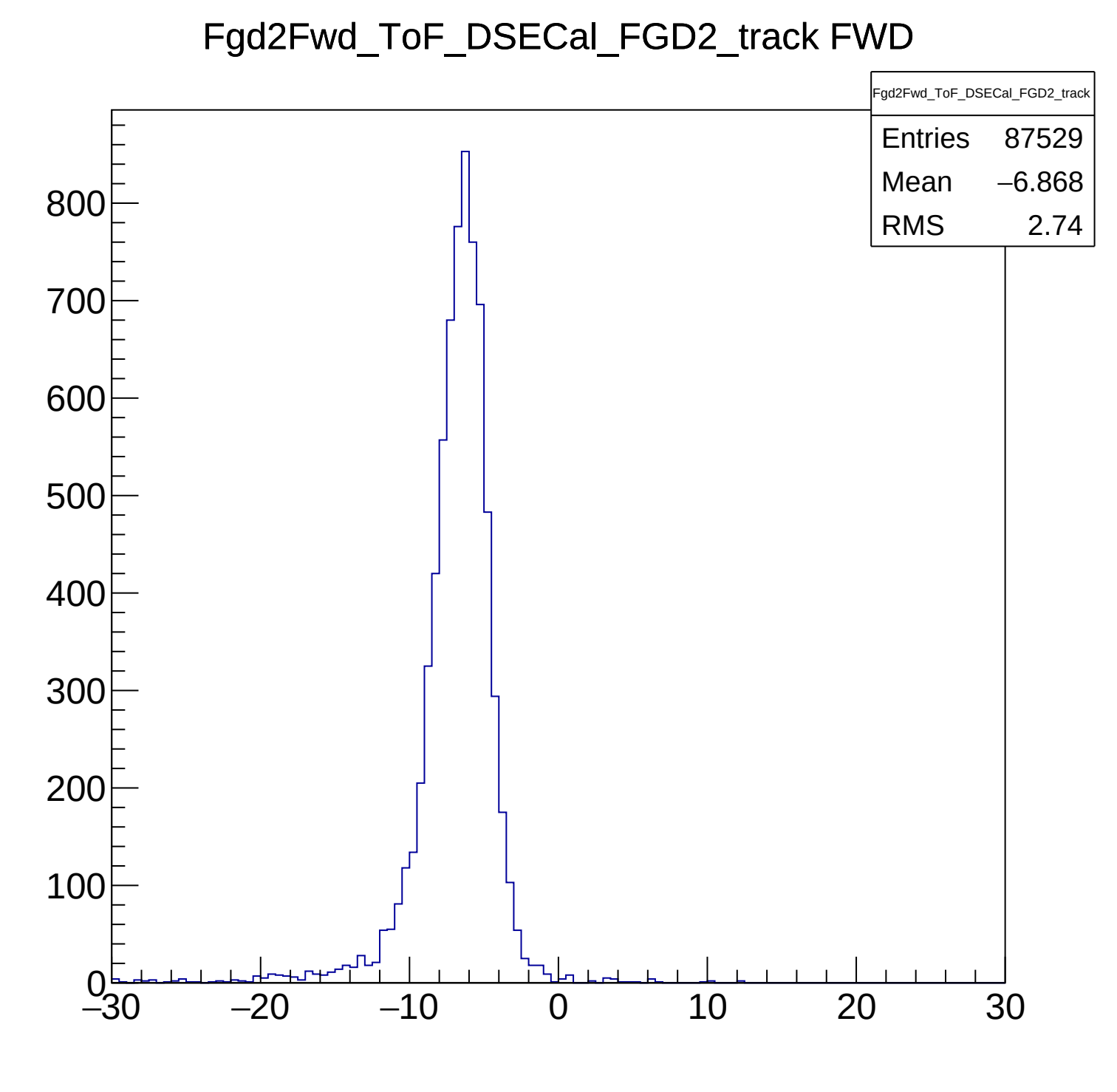
Fgd2Fwd_ToF_DSECal_FGD2_track FWD
Fgd2Fwd_ToF_DSECal_FGD2_track
Entries 87529
Mean –6.868
RMS 2.74
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700
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500
400
300
200
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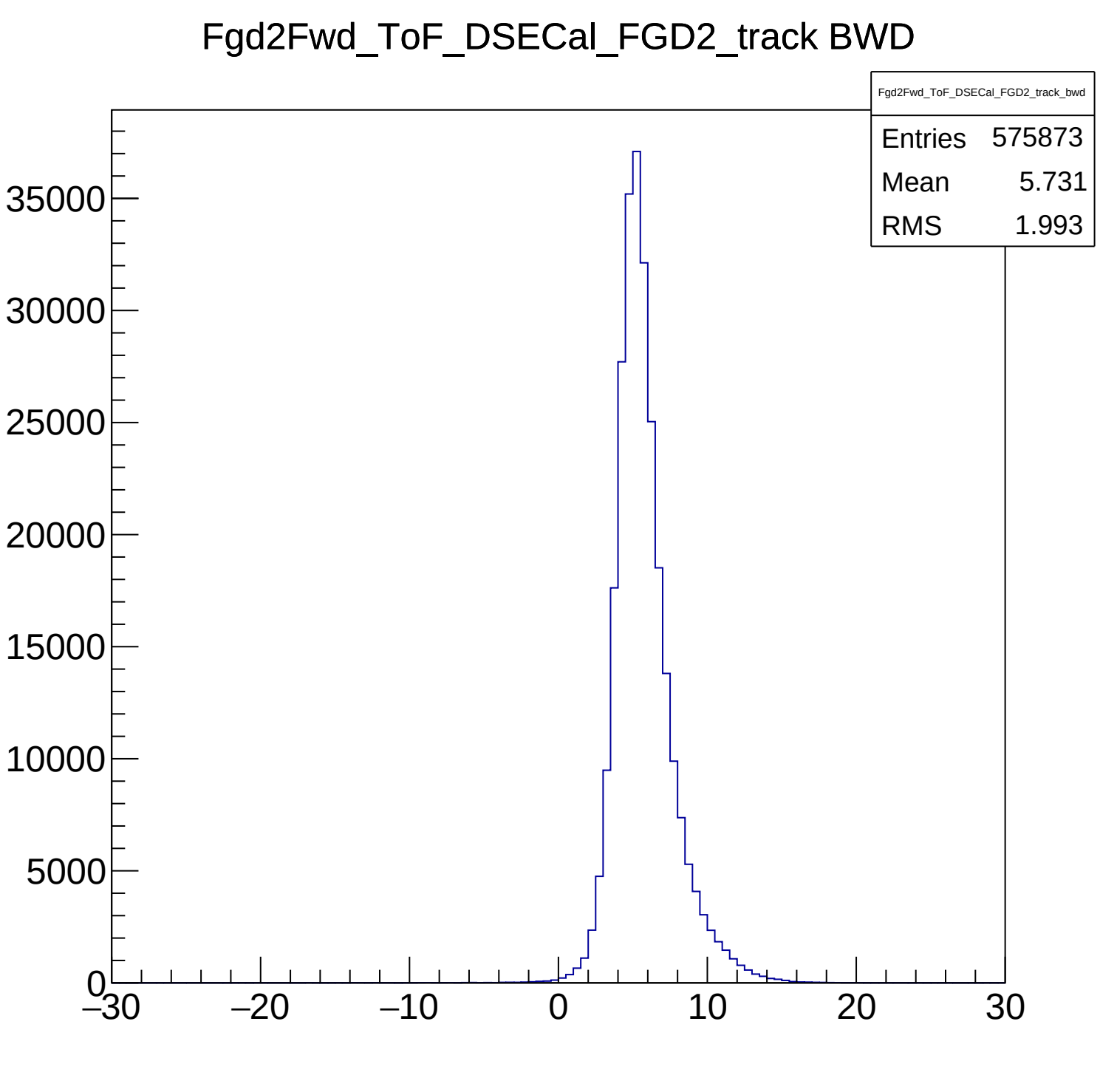
Fgd2Fwd_ToF_DSECal_FGD2_track BWD
Fgd2Fwd_ToF_DSECal_FGD2_track_bwd
Entries 575873
Mean 5.731
RMS 1.993
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30000
25000
20000
15000
10000
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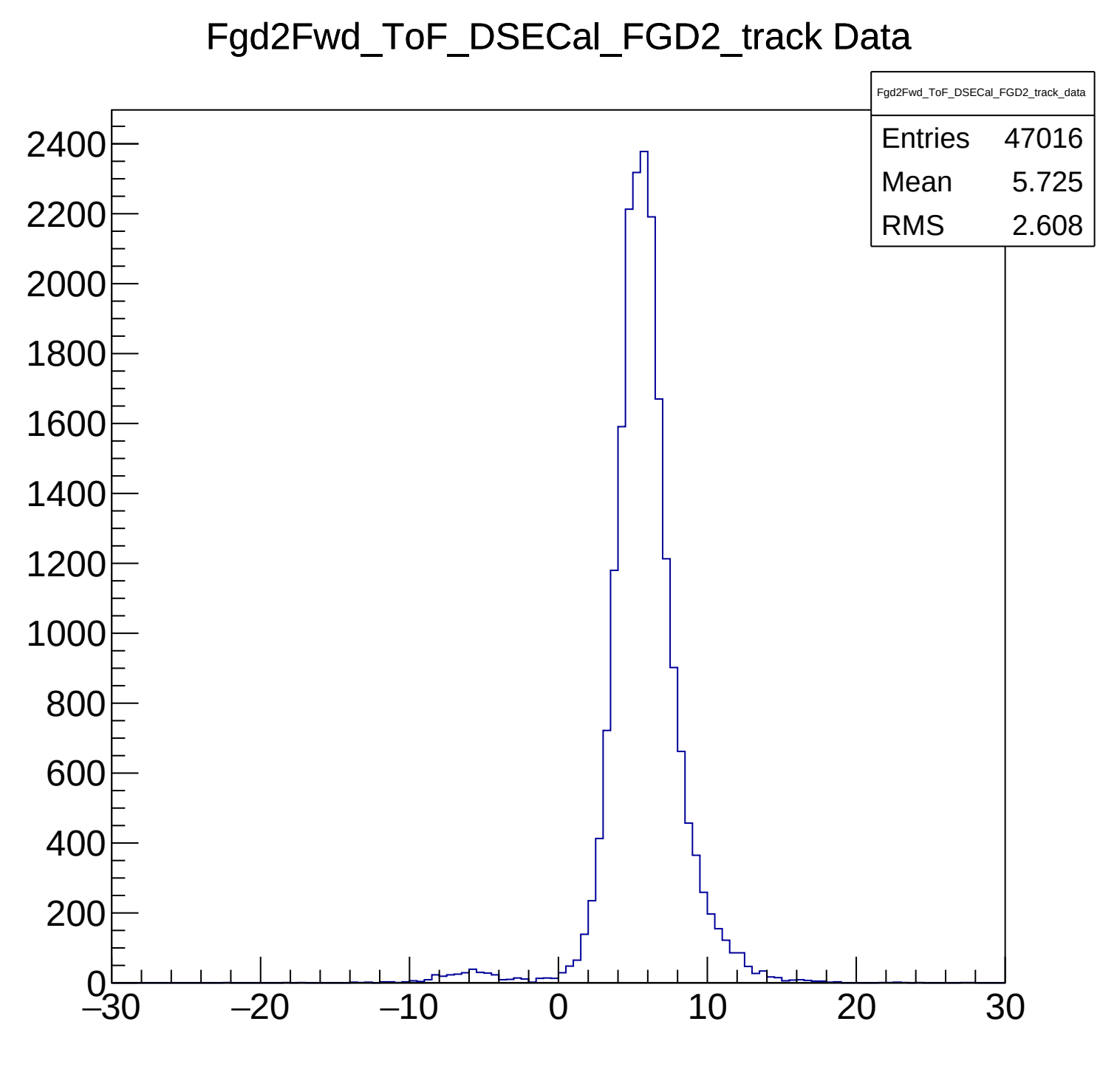
Fgd2Fwd_ToF_DSECal_FGD2_track Data
Fgd2Fwd_ToF_DSECal_FGD2_track_data
Entries 47016
Mean 5.725
RMS 2.608
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
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–30
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0
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20
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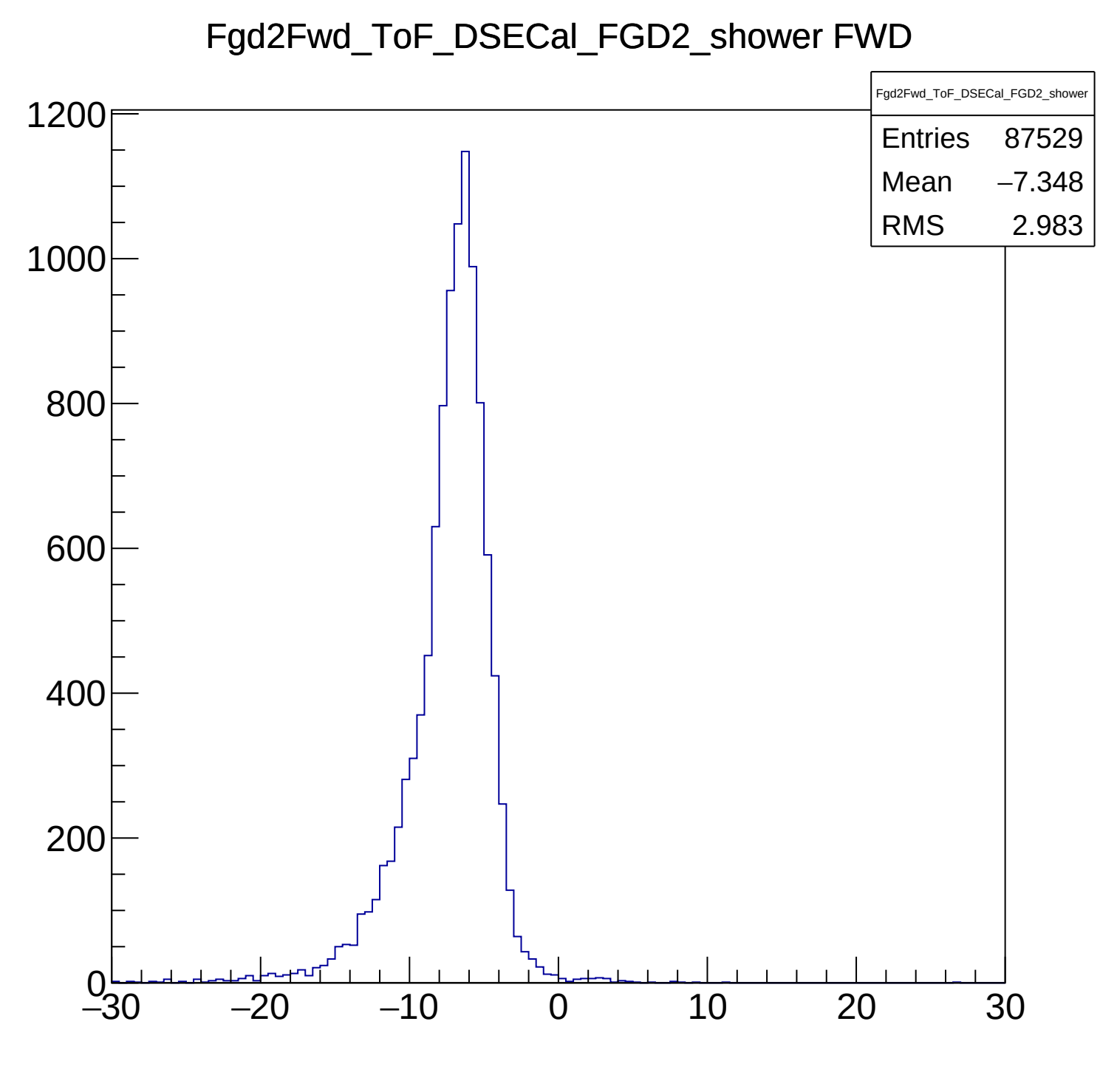
Fgd2Fwd_ToF_DSECal_FGD2_shower FWD
Fgd2Fwd_ToF_DSECal_FGD2_shower
Entries 87529
Mean −7.348
RMS 2.983
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1000
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600
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−30
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0
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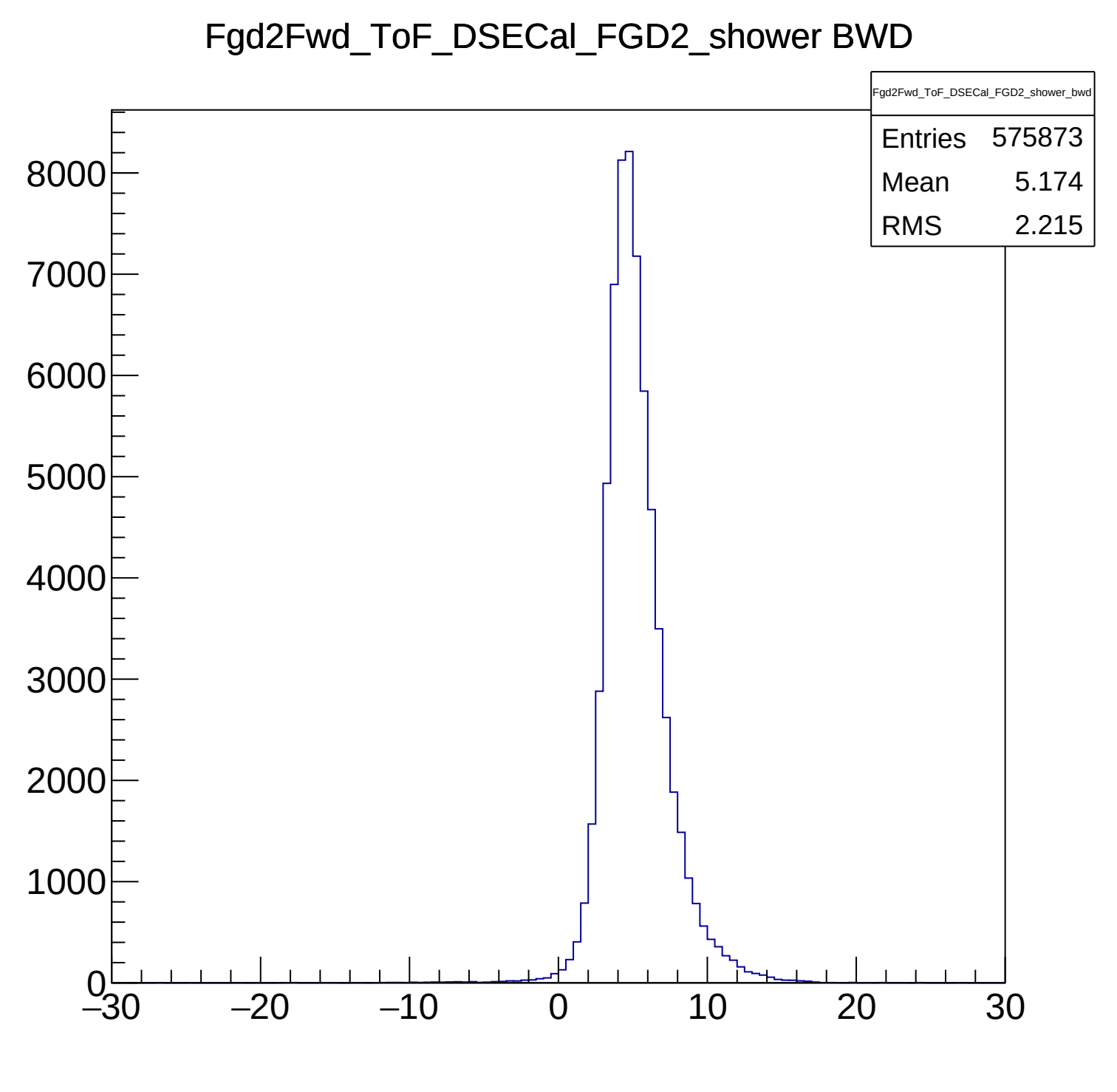
Fgd2Fwd_ToF_DSECal_FGD2_shower BWD
Fgd2Fwd_ToF_DSECal_FGD2_shower_bwd
Entries 575873
Mean 5.174
RMS 2.215
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7000
6000
5000
4000
3000
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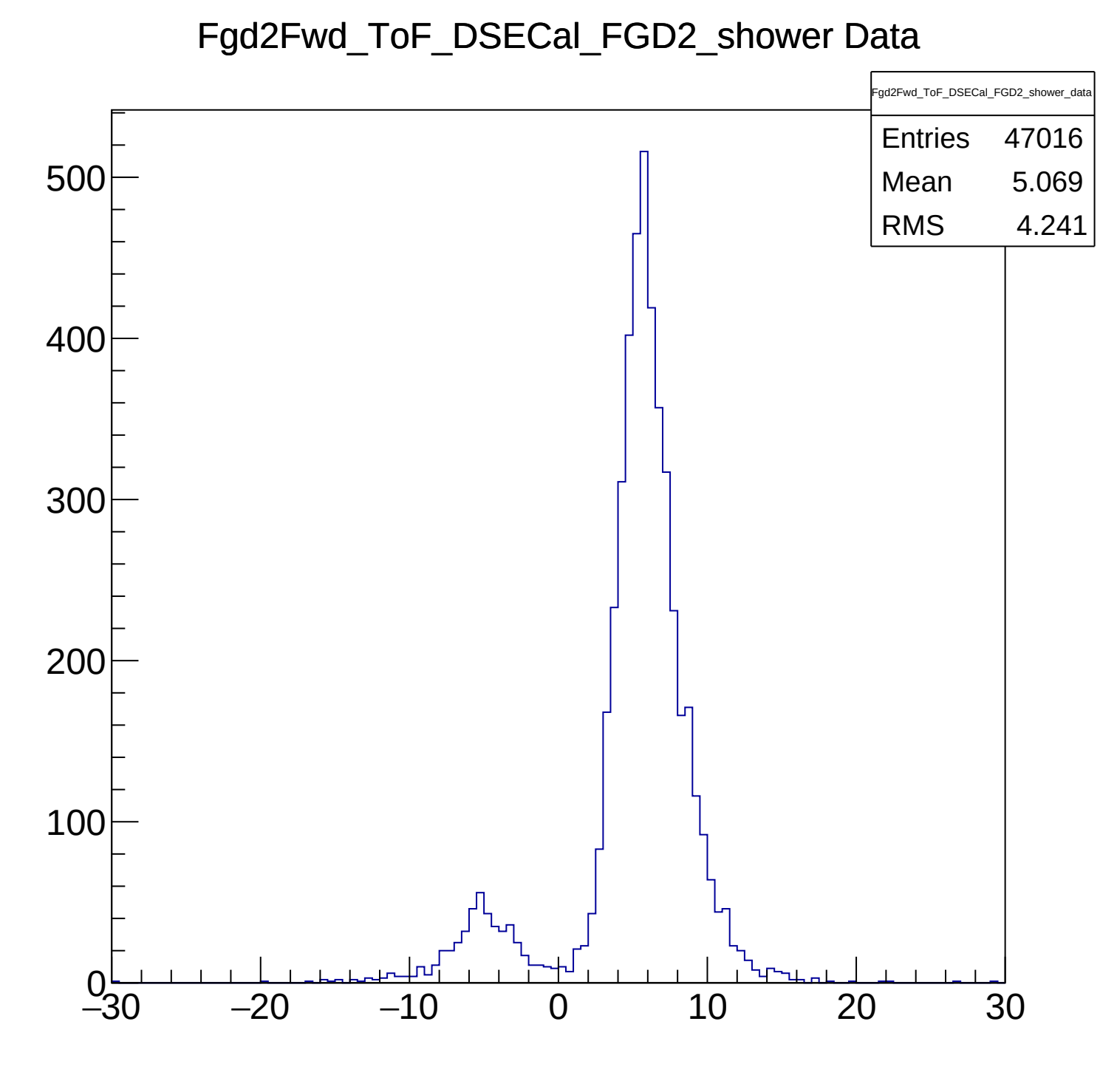
Fgd2Fwd_ToF_DSECal_FGD2_shower Data
Fgd2Fwd_ToF_DSECal_FGD2_shower_data
Entries 47016
Mean 5.069
RMS 4.241
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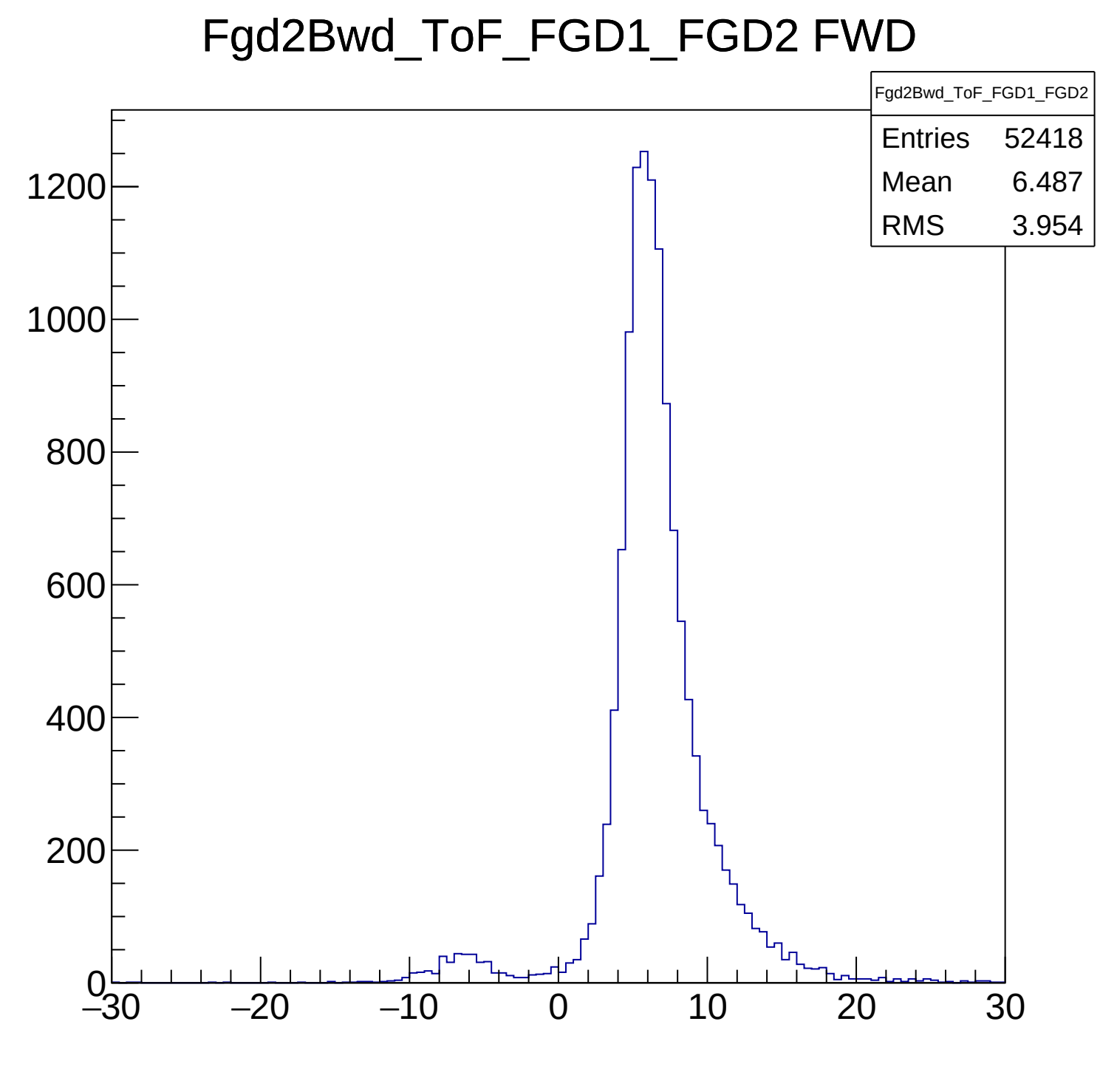
Fgd2Bwd_ToF_FGD1_FGD2 FWD
Fgd2Bwd_ToF_FGD1_FGD2
Entries 52418
Mean 6.487
RMS 3.954
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800
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400
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20
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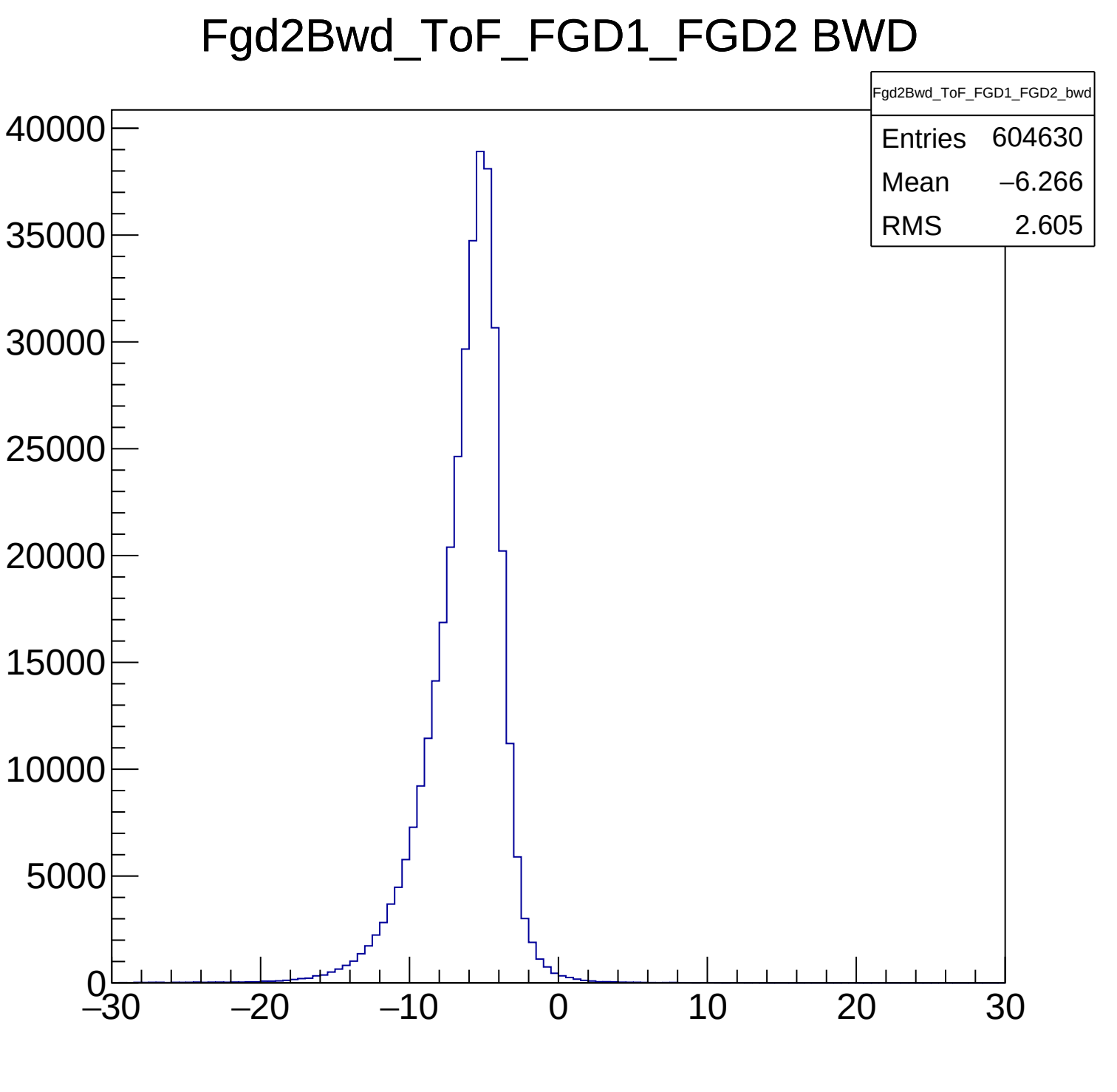
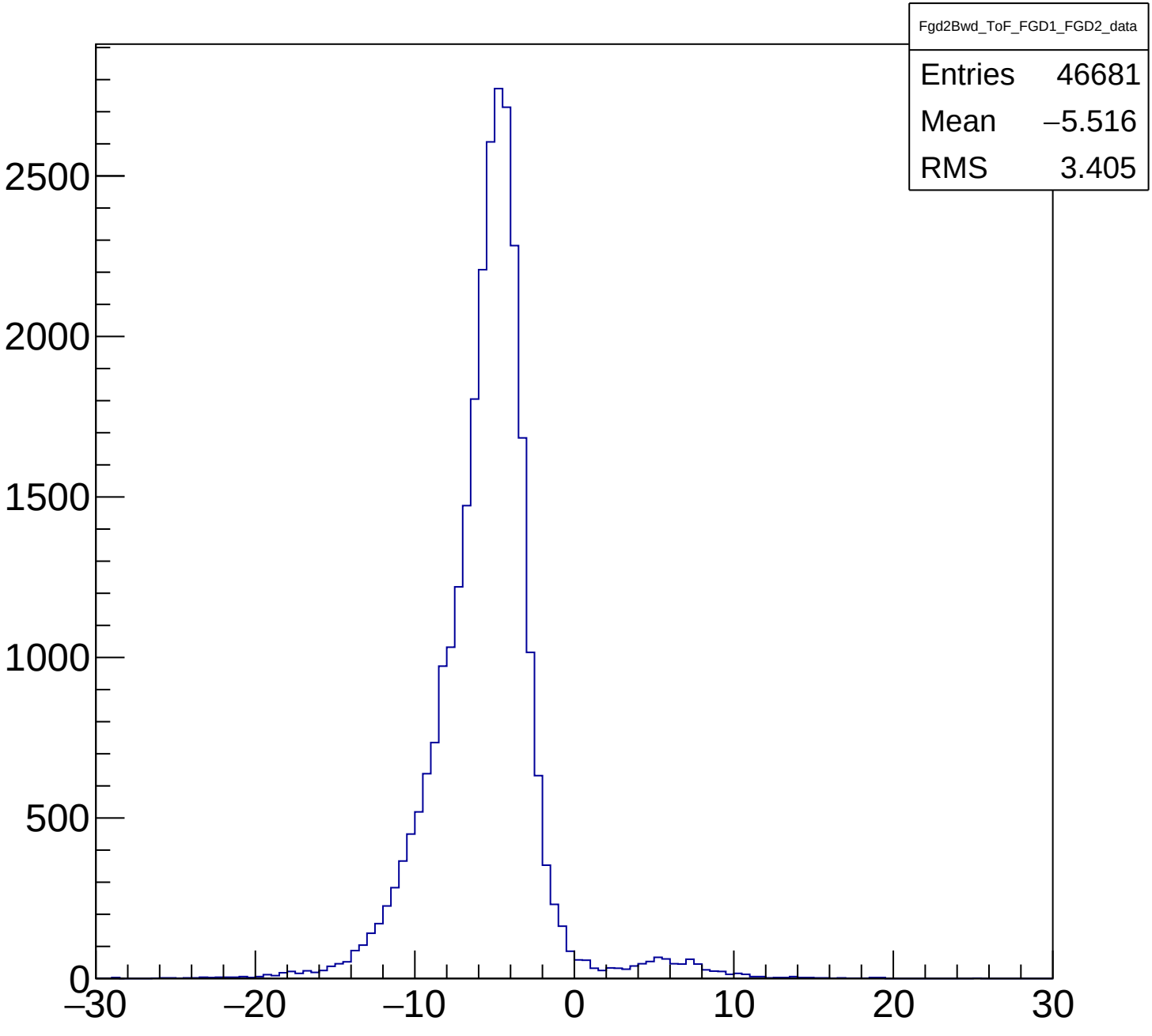
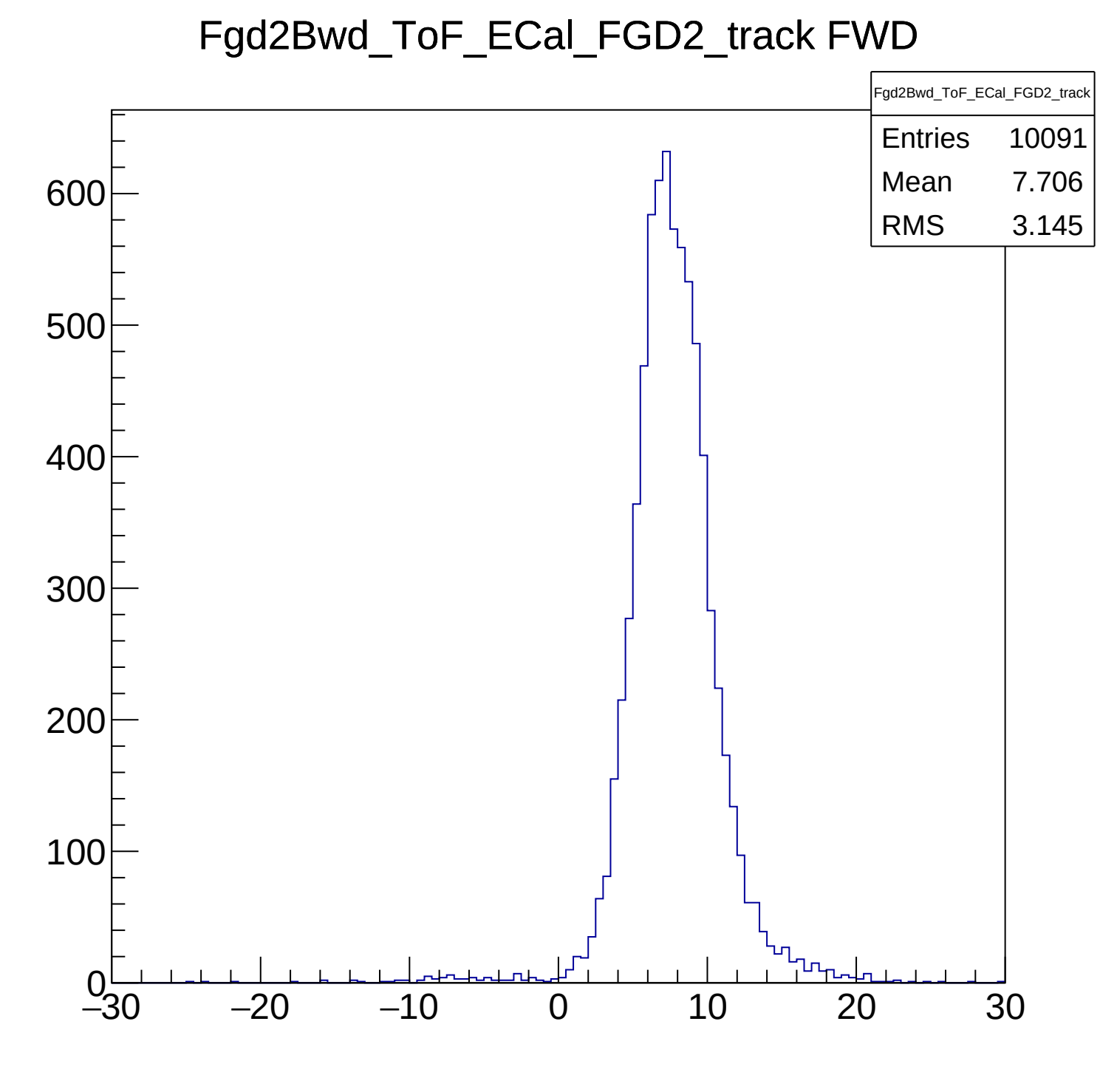

Fgd2Bwd_ToF_FGD1_FGD2 BWD
Fgd2Bwd_ToF_FGD1_FGD2_bwd
Entries 604630
Mean −6.266
RMS 2.605
40000
35000
30000
25000
20000
15000
10000
5000
0
−30
−20
−10
0
10
20
30

Fgd2Bwd_ToF_FGD1_FGD2 Data




Fgd2Bwd_ToF_ECal_FGD2_track FWD
Fgd2Bwd_ToF_ECal_FGD2_track
Entries 10091
Mean 7.706
RMS 3.145
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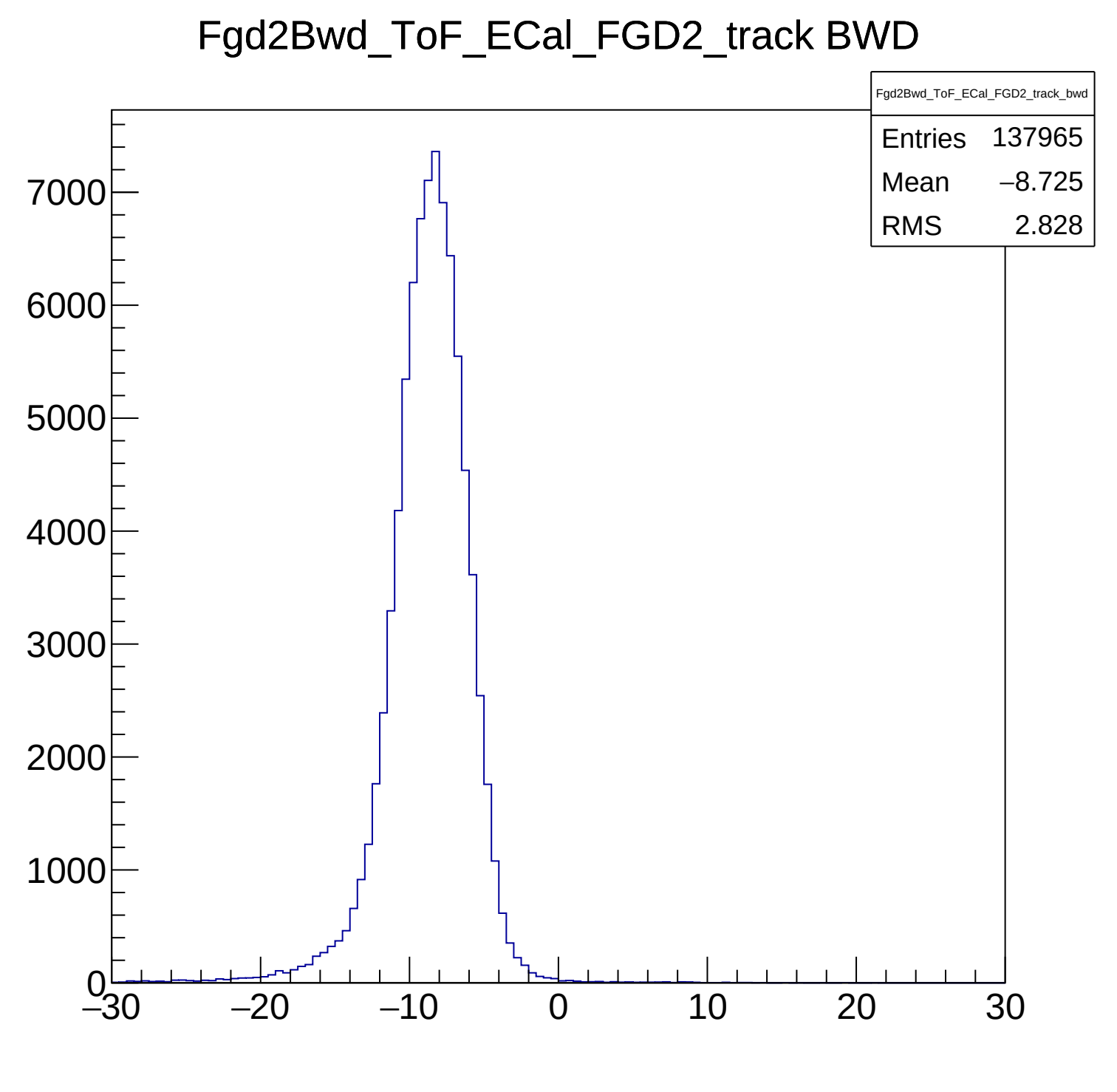
Fgd2Bwd_ToF_ECal_FGD2_track BWD
Fgd2Bwd_ToF_ECal_FGD2_track_bwd
Entries 137965
Mean −8.725
RMS 2.828
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3000
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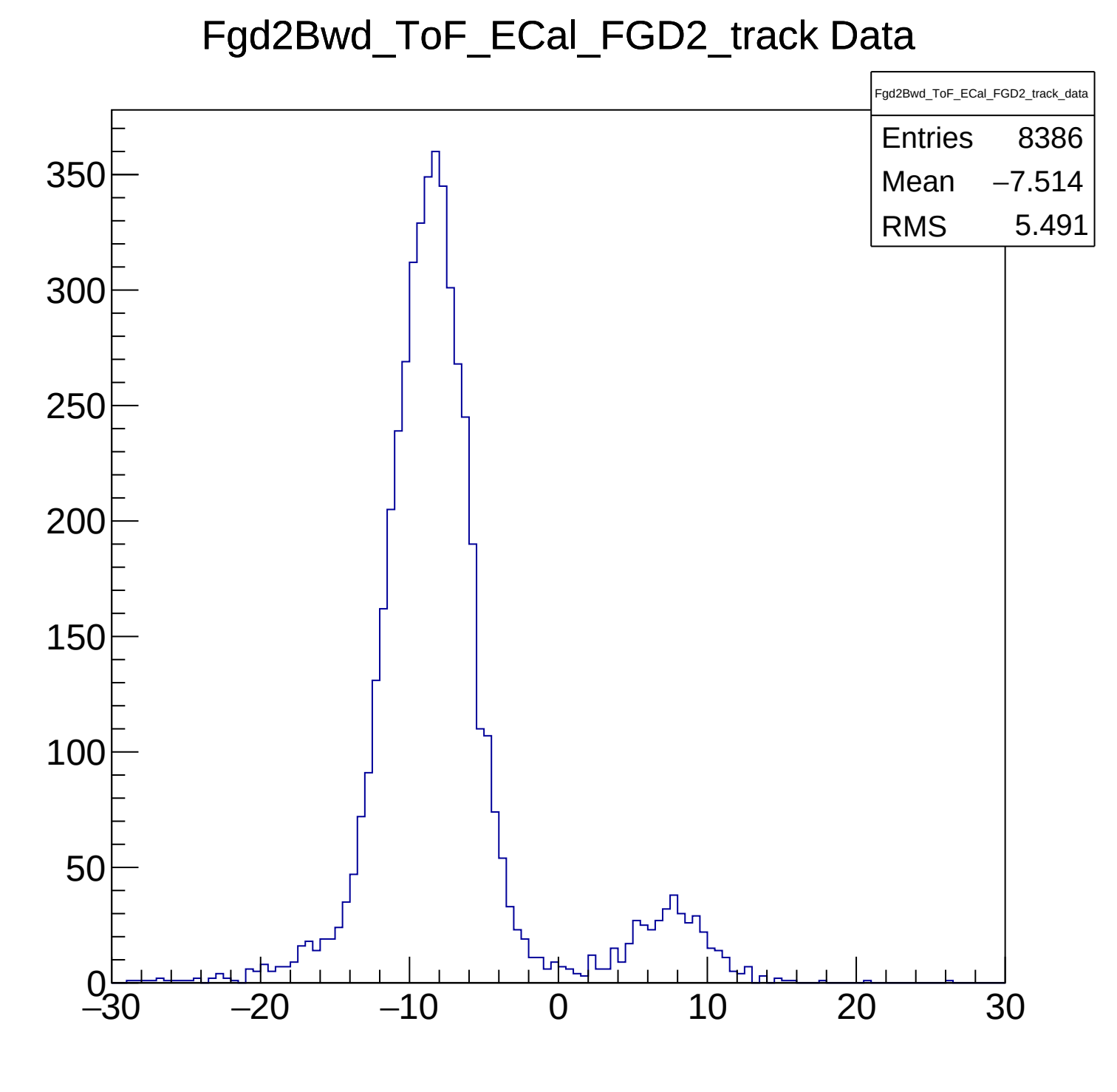
Fgd2Bwd_ToF_ECal_FGD2_track Data
Fgd2Bwd_ToF_ECal_FGD2_track_data
Entries 8386
Mean −7.514
RMS 5.491
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300
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200
150
100
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−30
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0
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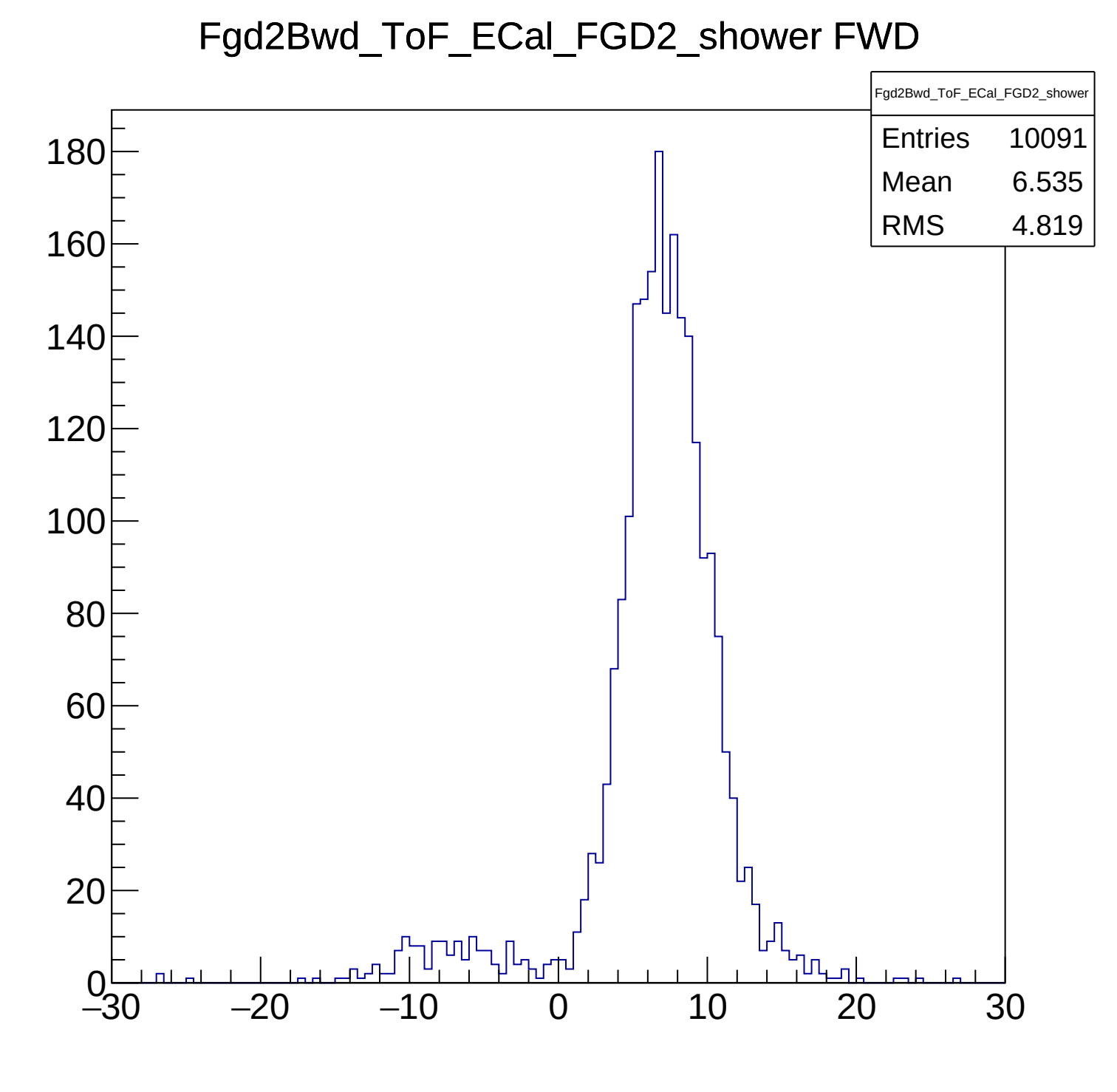
20
30


Fgd2Bwd_ToF_ECal_FGD2_shower FWD
Fgd2Bwd_ToF_ECal_FGD2_shower
Entries 10091
Mean 6.535
RMS 4.819
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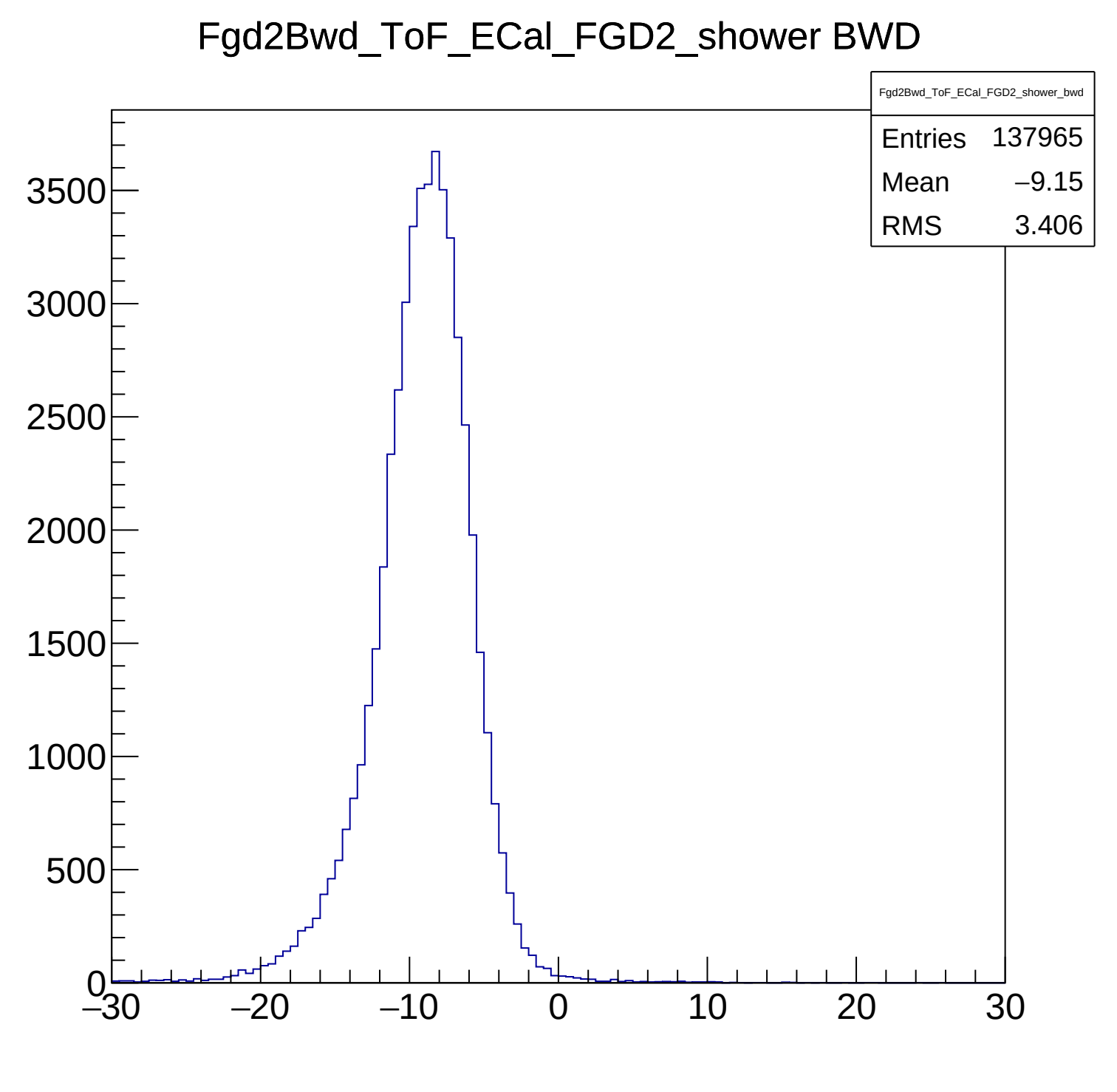
Fgd2Bwd_ToF_ECal_FGD2_shower BWD
Fgd2Bwd_ToF_ECal_FGD2_shower_bwd
Entries 137965
Mean −9.15
RMS 3.406
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3000
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2000
1500
1000
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−30
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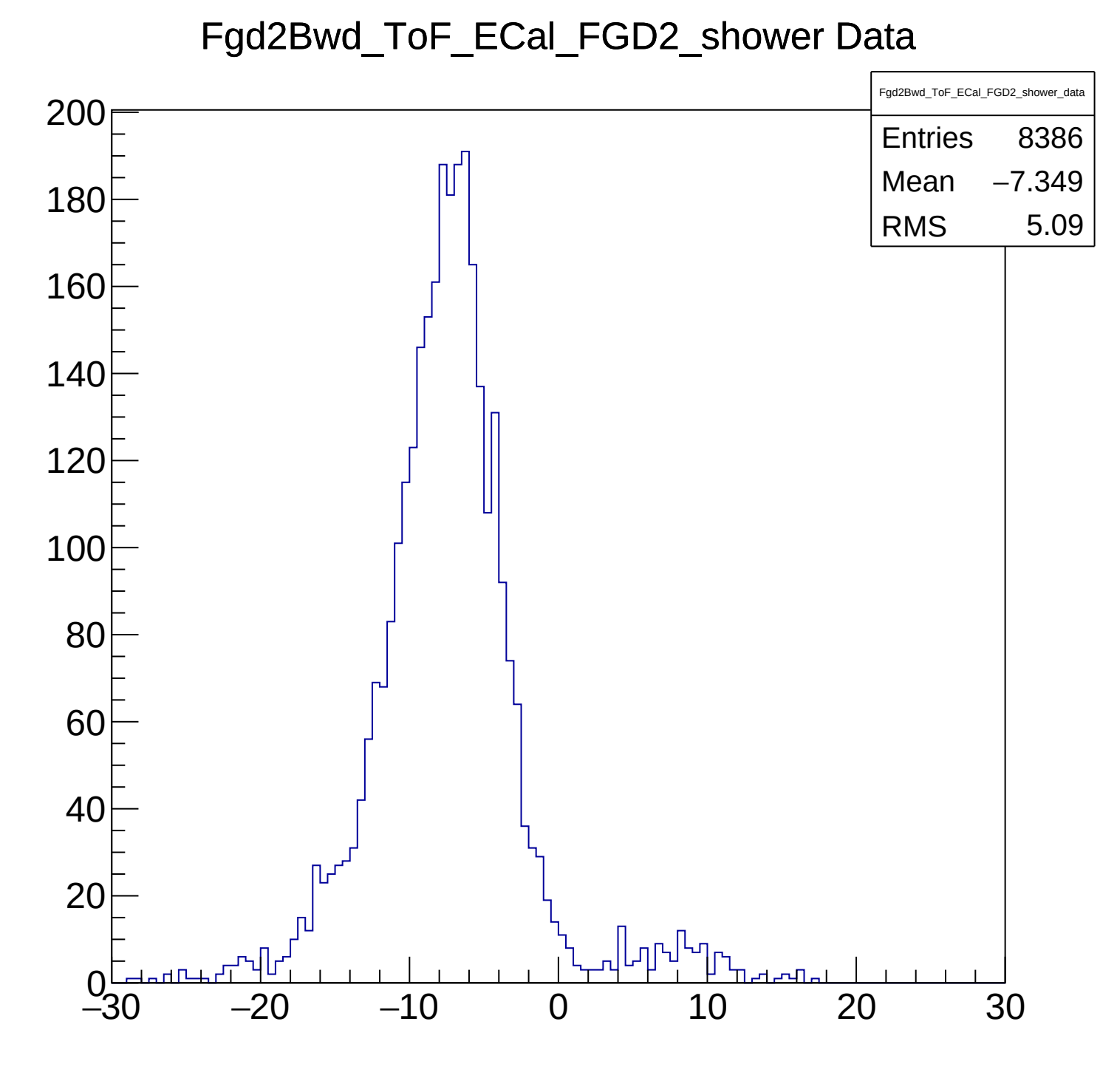
−10
0
10
20
30


Fgd2Bwd_ToF_ECal_FGD2_shower Data
Fgd2Bwd_ToF_ECal_FGD2_shower_data
Entries 8386
Mean −7.349
RMS 5.09
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140
120
100
80
60
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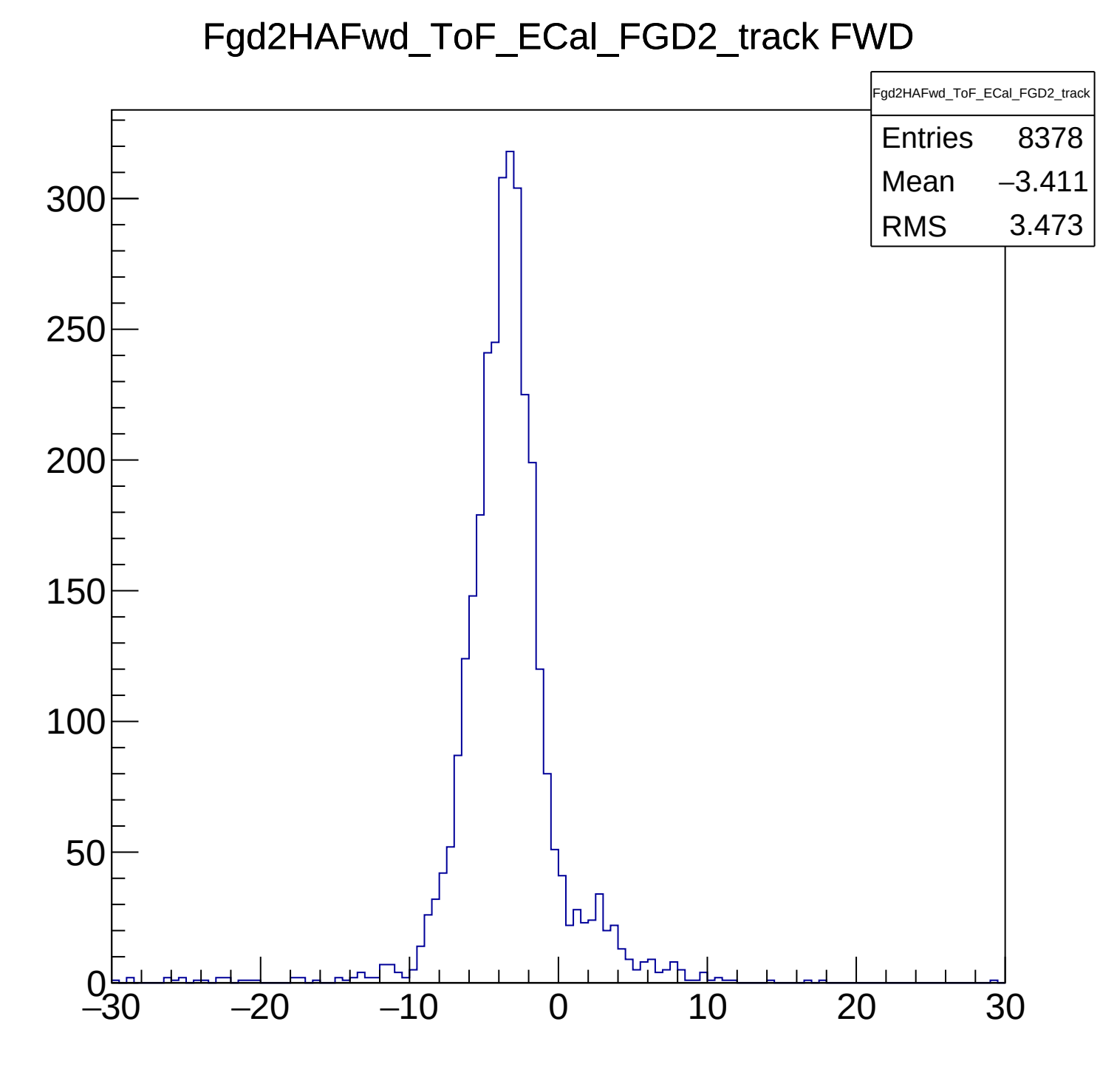
Fgd2HAFwd_ToF_ECal_FGD2_track FWD
Fgd2HAFwd_ToF_ECal_FGD2_track
Entries 8378
Mean –3.411
RMS 3.473
300
250
200
150
100
50
0
–30
–20
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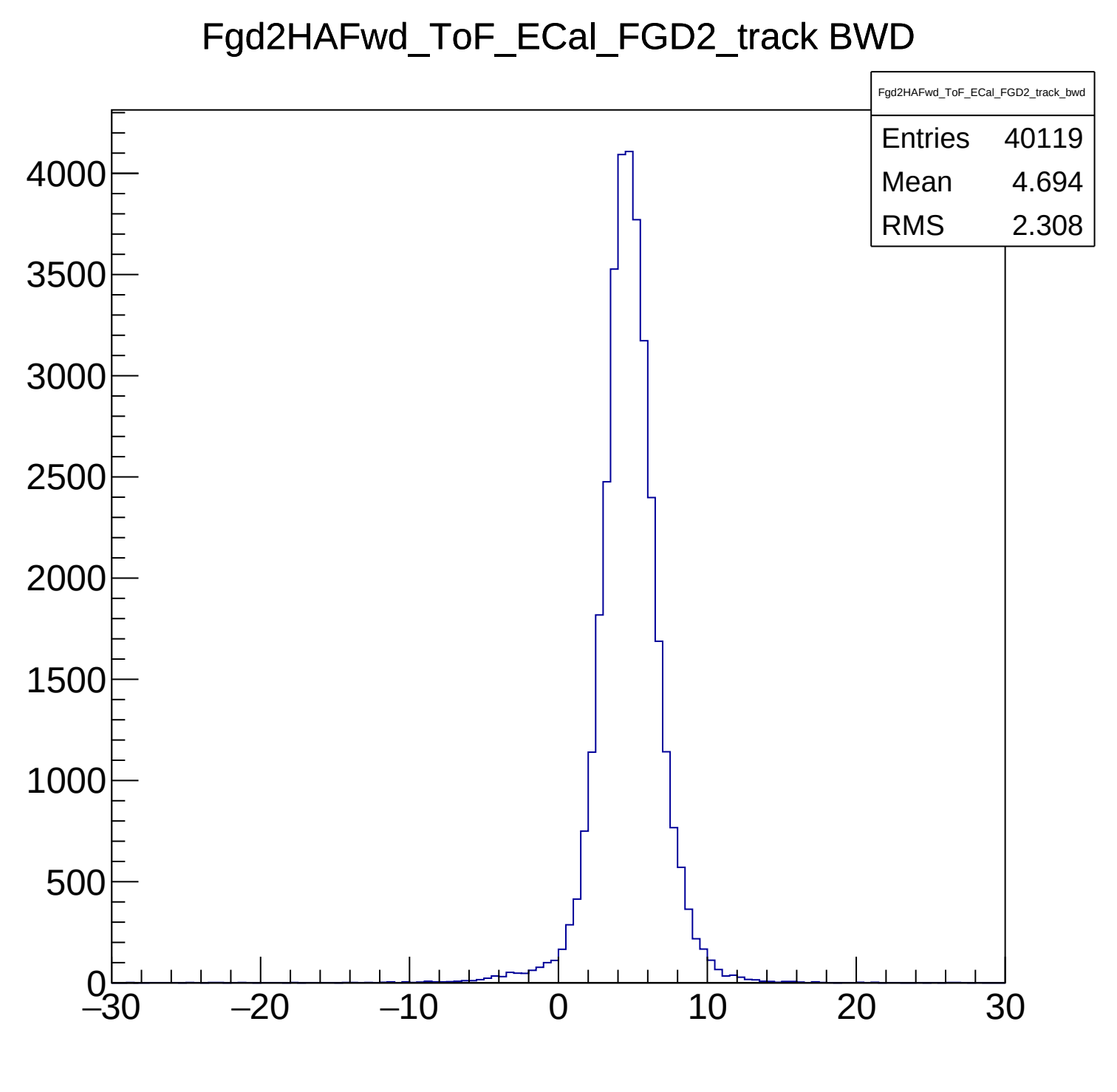
0
10
20
30


Fgd2HAFwd_ToF_ECal_FGD2_track BWD
Fgd2HAFwd_ToF_ECal_FGD2_track_bwd
Entries 40119
Mean 4.694
RMS 2.308
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3500
3000
2500
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20
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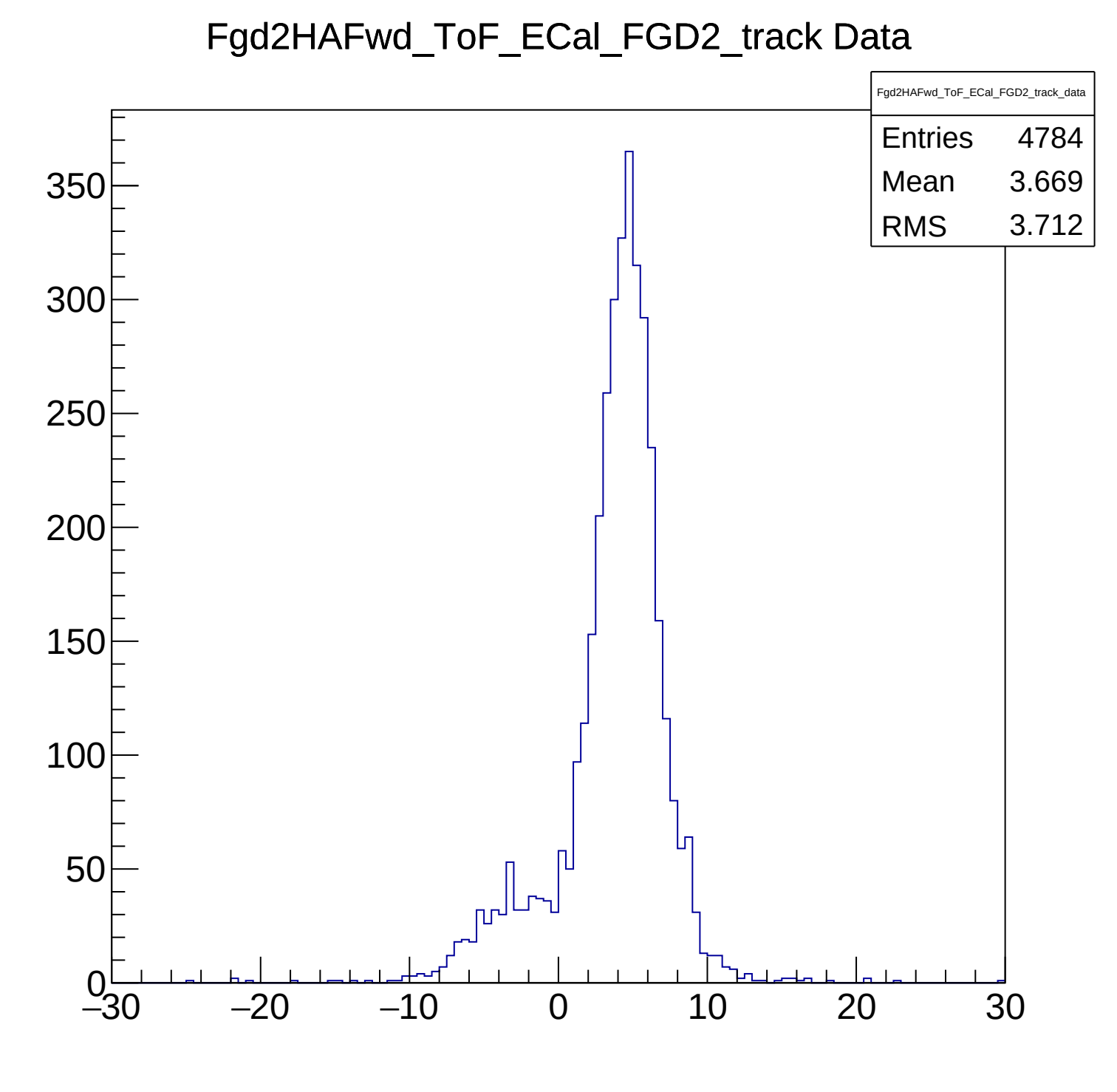
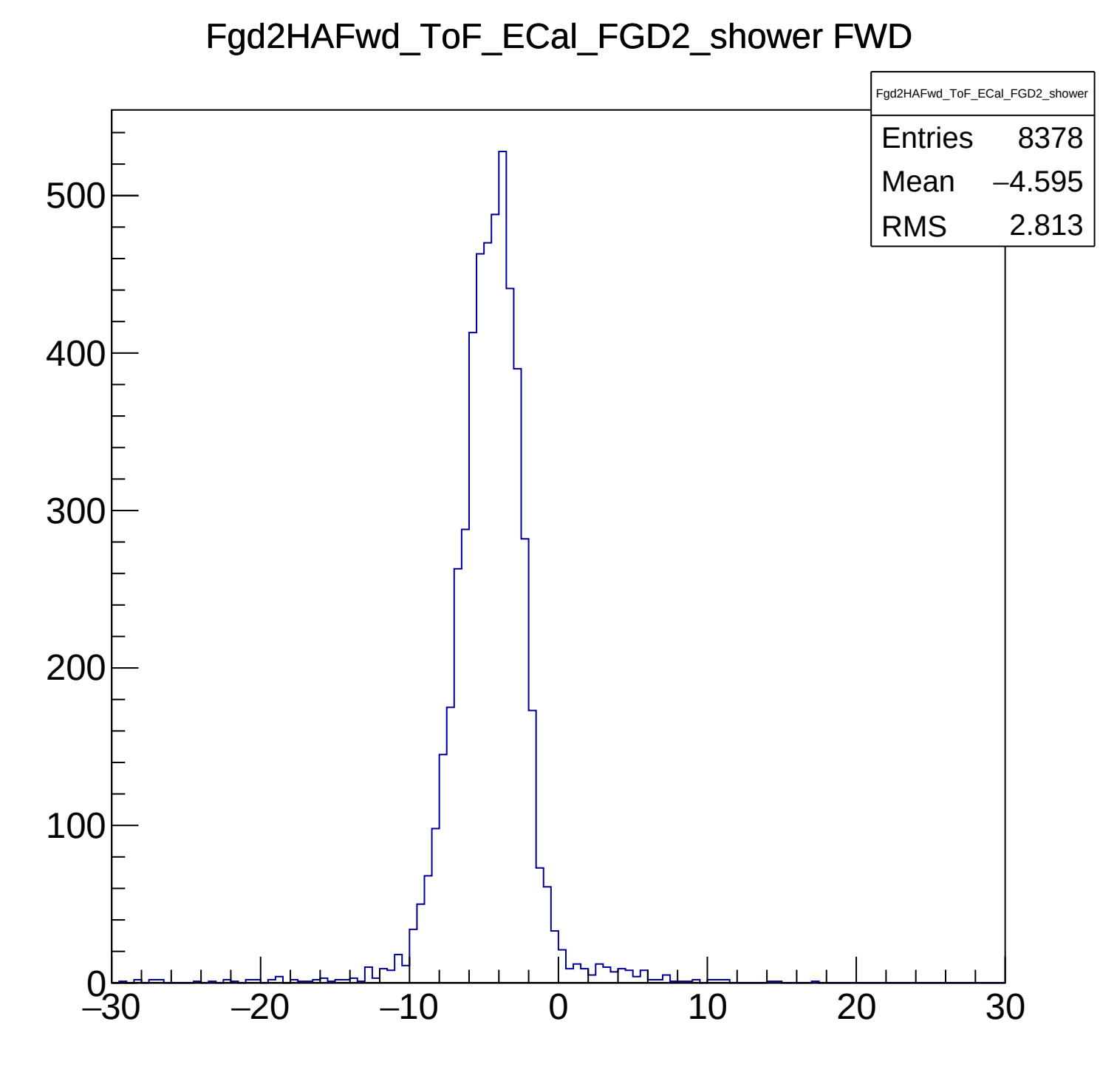
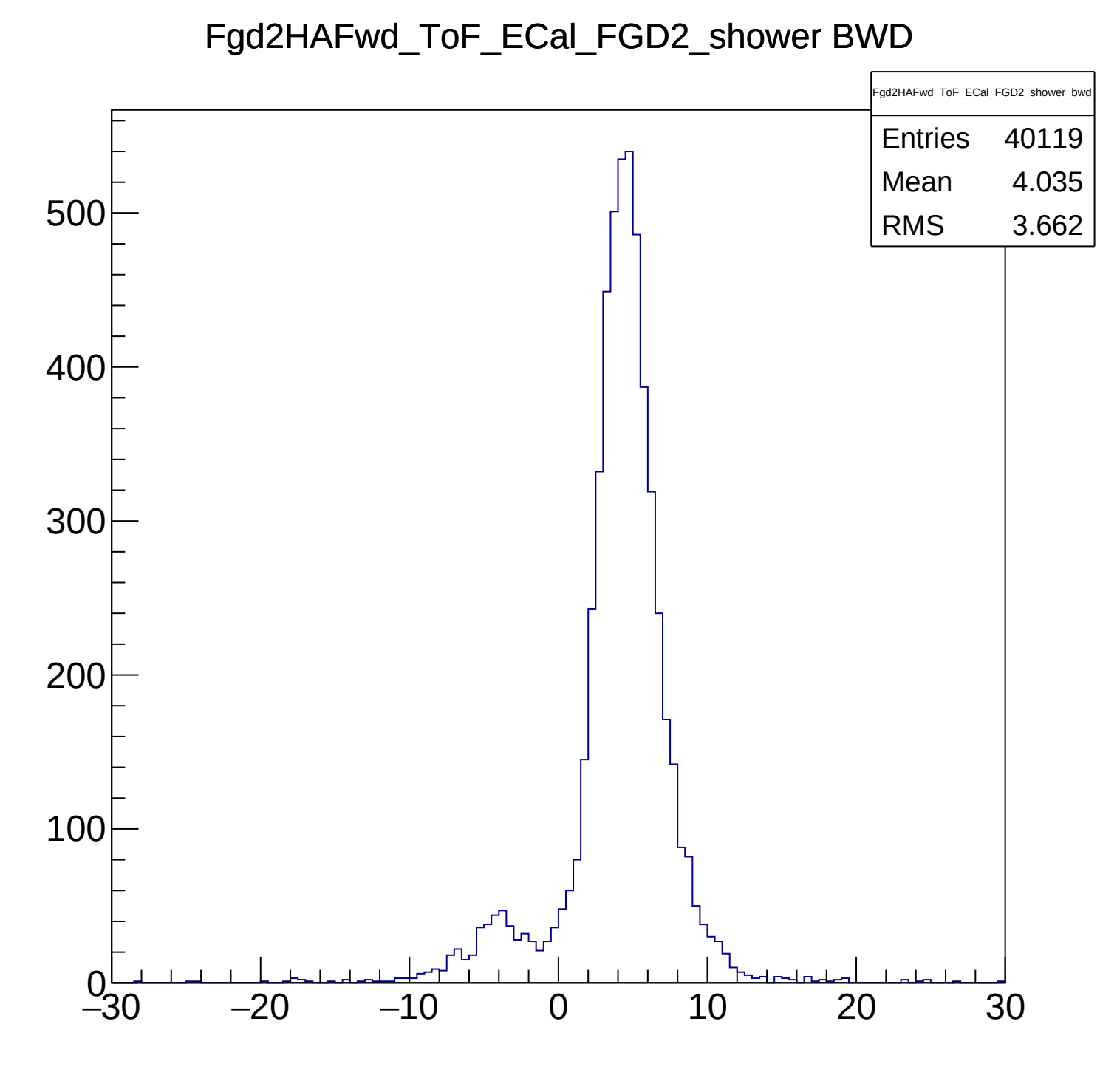
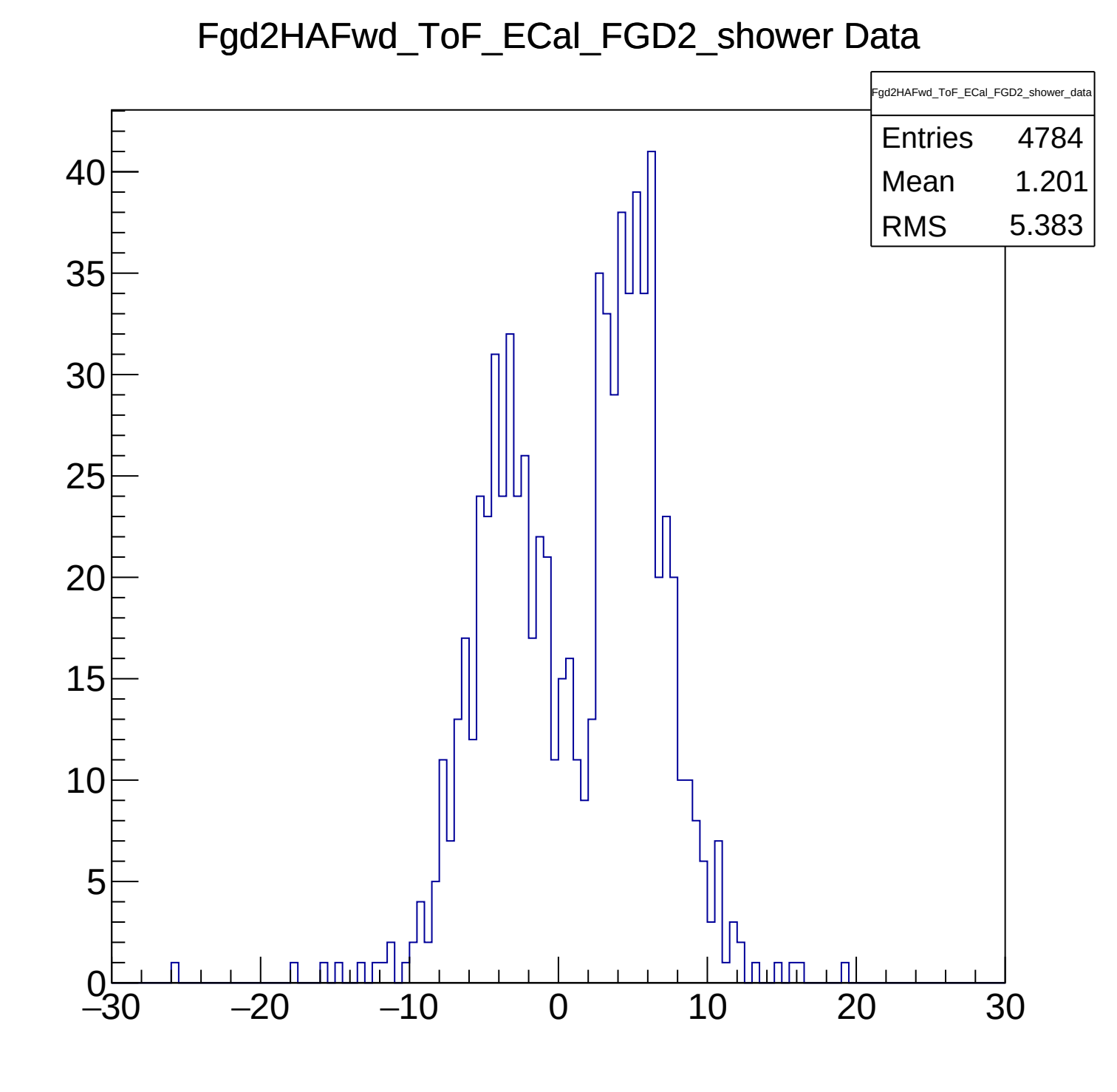
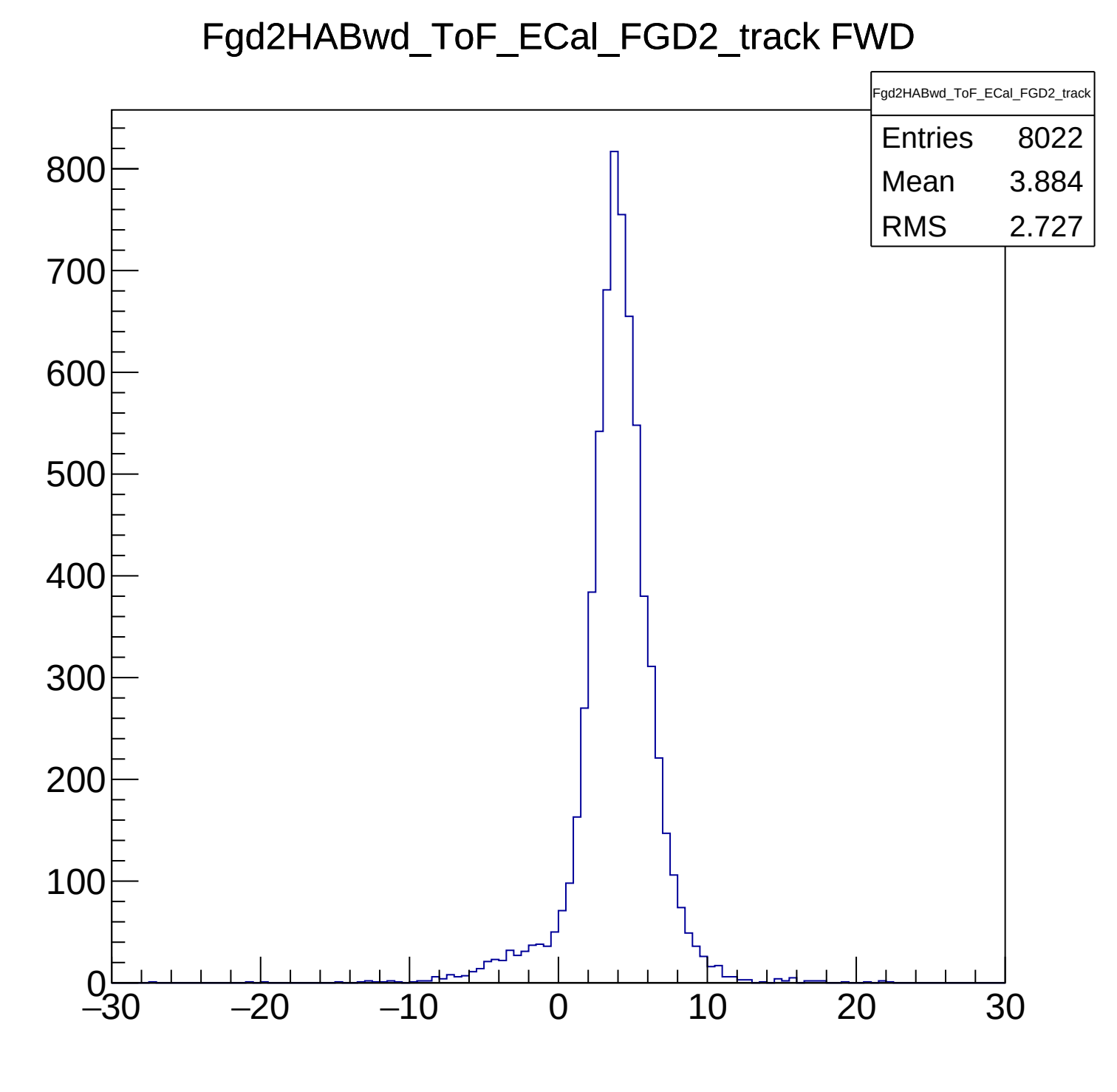
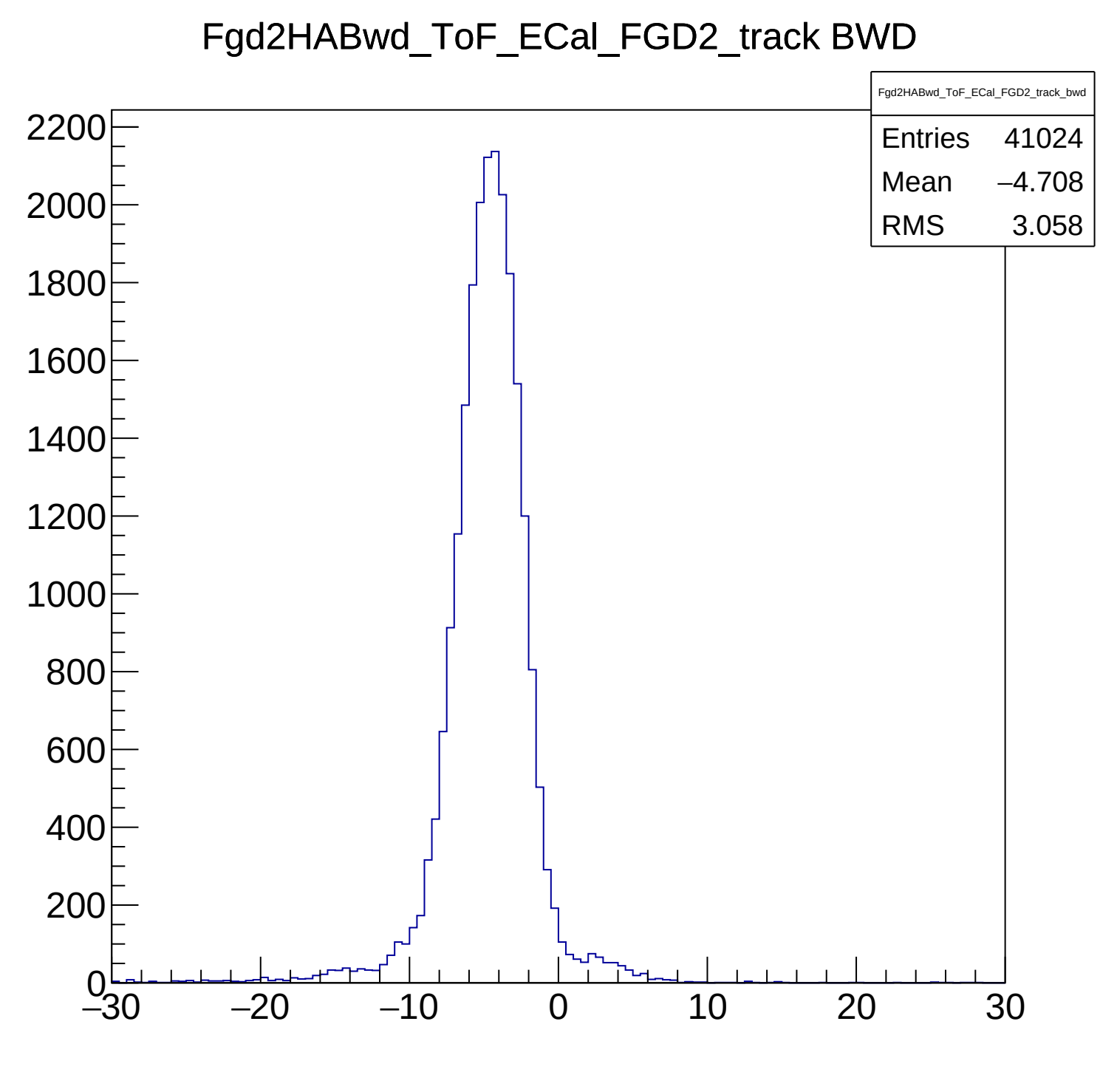

Fgd2HAFwd_ToF_ECal_FGD2_track Data
Fgd2HAFwd_ToF_ECal_FGD2_track_data
Entries 4784
Mean 3.669
RMS 3.712
350
300
250
200
150
100
50
0
–30
–20
–10
0
10
20
30

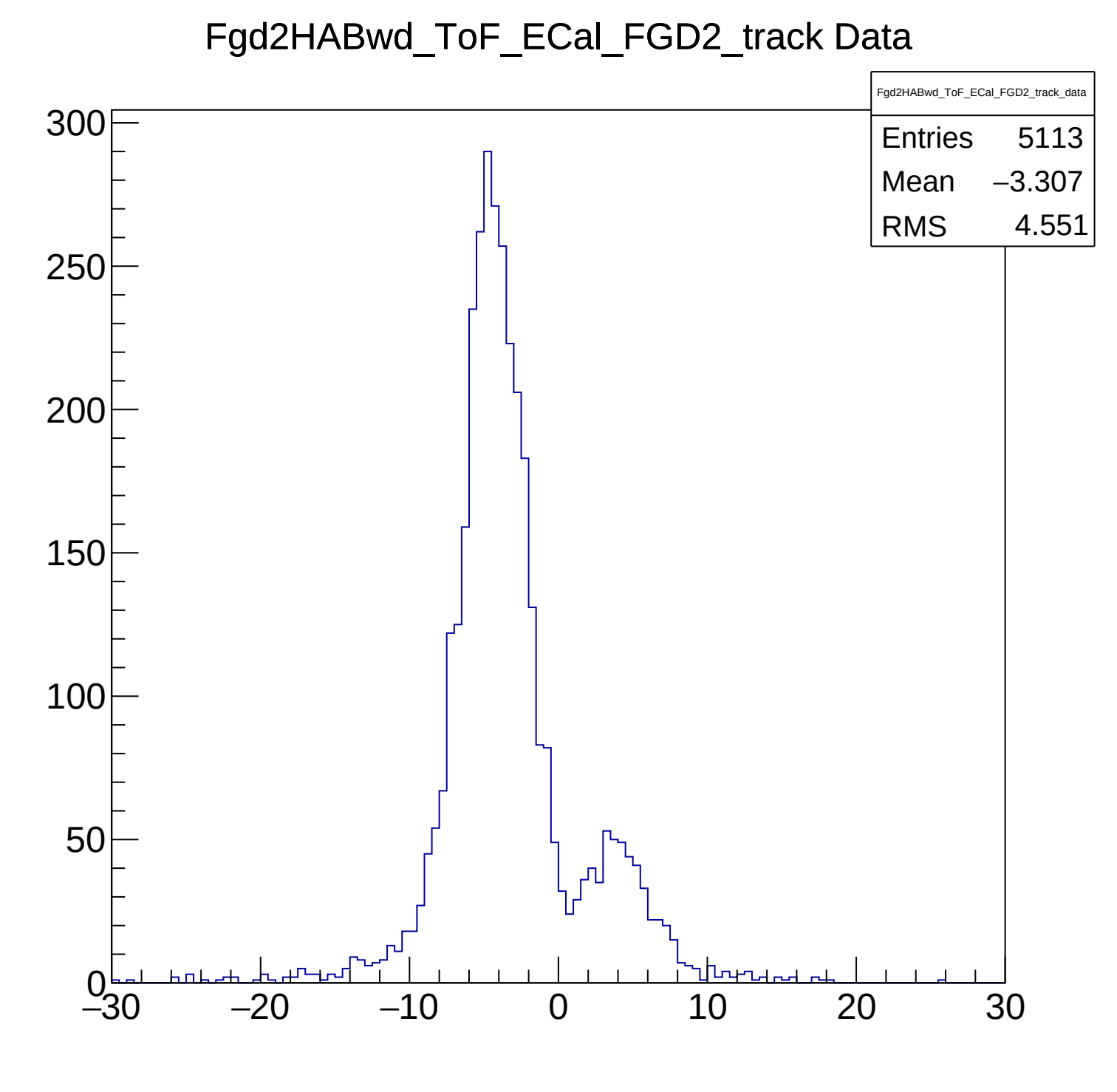

Fgd2HAFwd_ToF_ECal_FGD2_shower FWD
Fgd2HAFwd_ToF_ECal_FGD2_shower
Entries 8378
Mean −4.595
RMS 2.813
500
400
300
200
100
0
−30
−20
−10
0
10
20
30

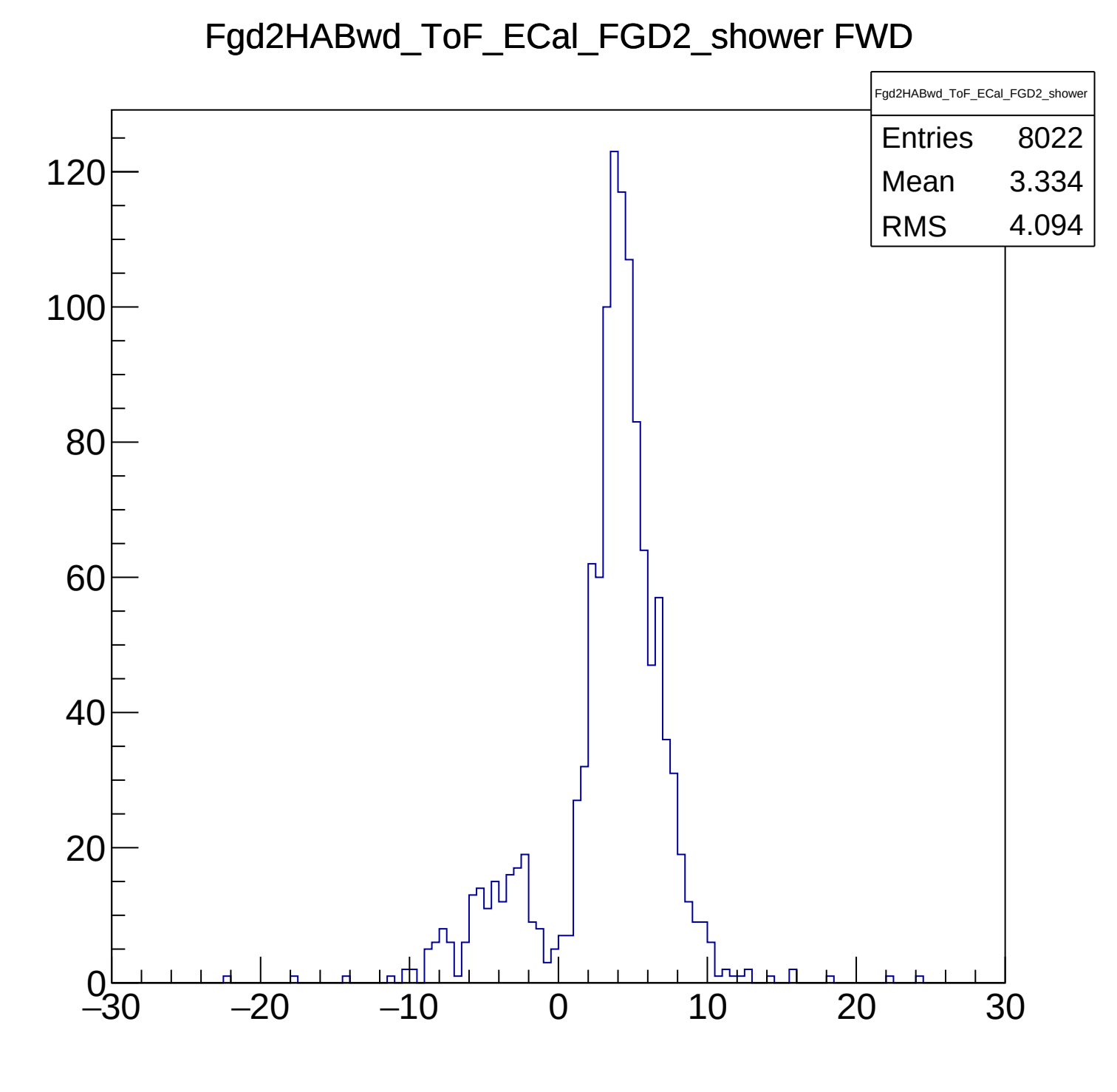

Fgd2HAFwd_ToF_ECal_FGD2_shower BWD
Fgd2HAFwd_ToF_ECal_FGD2_shower_bwd
Entries 40119
Mean 4.035
RMS 3.662
500
400
300
200
100
0
–30
–20
–10
0
10
20
30

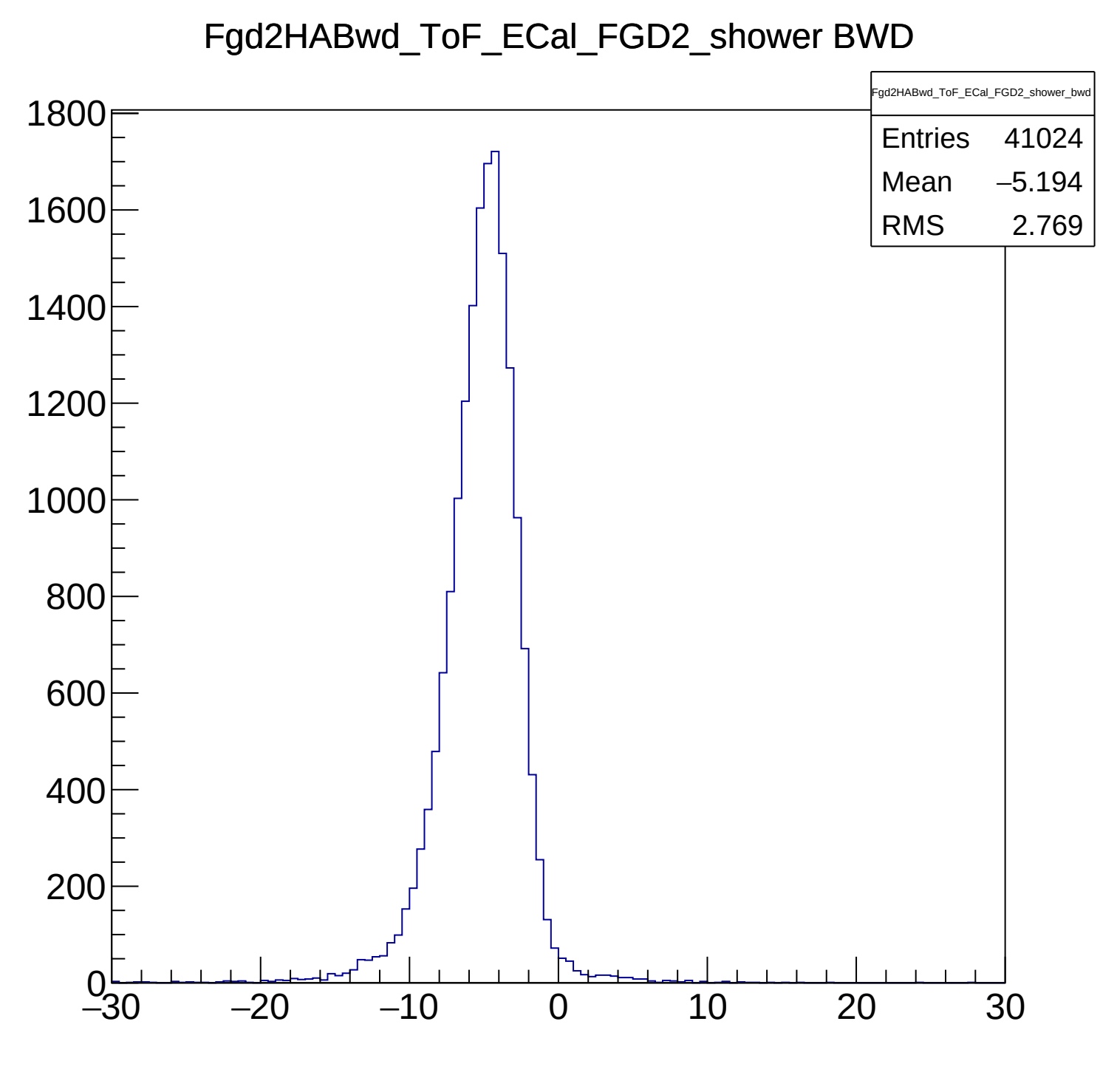

Fgd2HAFwd_ToF_ECal_FGD2_shower Data
Fgd2HAFwd_ToF_ECal_FGD2_shower_data
Entries 4784
Mean 1.201
RMS 5.383
40
35
30
25
20
15
10
5
0
–30
–20
–10
0
10
20
30

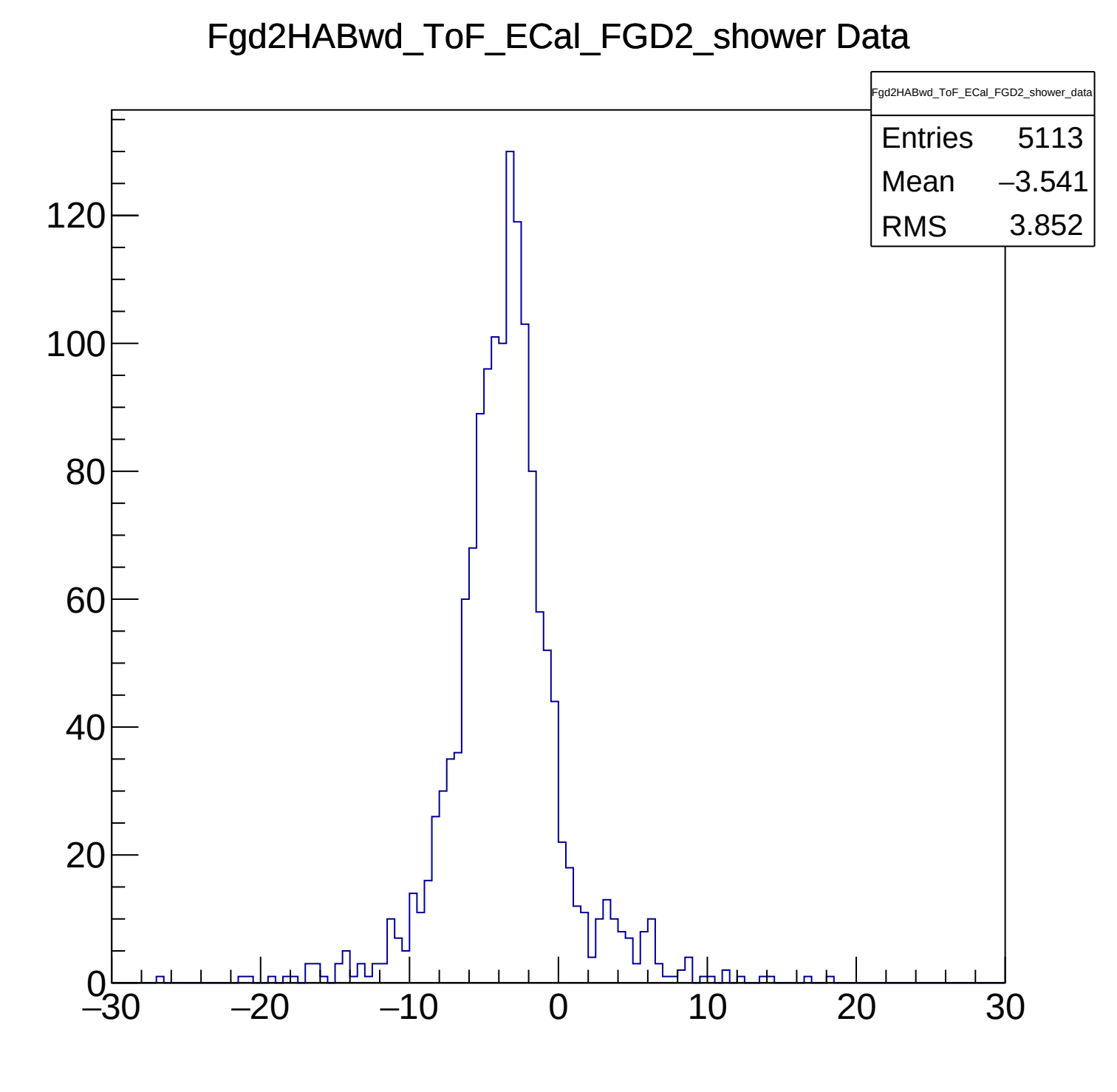

Fgd2HABwd_ToF_ECal_FGD2_track FWD
Fgd2HABwd_ToF_ECal_FGD2_track
Entries 8022
Mean 3.884
RMS 2.727
800
700
600
500
400
300
200
100
0
–30
–20
–10
0
10
20
30


Fgd2HABwd_ToF_ECal_FGD2_track BWD
Fgd2HABwd_ToF_ECal_FGD2_track_bwd
Entries 41024
Mean –4.708
RMS 3.058
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–30
–20
–10
0
10
20
30


Fgd2HABwd_ToF_ECal_FGD2_track Data
Fgd2HABwd_ToF_ECal_FGD2_track_data
Entries 5113
Mean –3.307
RMS 4.551
300
250
200
150
100
50
0
–30
–20
–10
0
10
20
30


Fgd2HABwd_ToF_ECal_FGD2_shower FWD
Fgd2HABwd_ToF_ECal_FGD2_shower
Entries 8022
Mean 3.334
RMS 4.094
120
100
80
60
40
20
0
–30
–20
–10
0
10
20
30


Fgd2HABwd_ToF_ECal_FGD2_shower BWD
Fgd2HABwd_ToF_ECal_FGD2_shower_bwd
Entries 41024
Mean –5.194
RMS 2.769
1800
1600
1400
1200
1000
800
600
400
200
0
–30
–20
–10
0
10
20
30


Fgd2HABwd_ToF_ECal_FGD2_shower Data
Fgd2HABwd_ToF_ECal_FGD2_shower_data
Entries 5113
Mean –3.541
RMS 3.852
120
100
80
60
40
20
0
–30
–20
–10
0
10
20
30