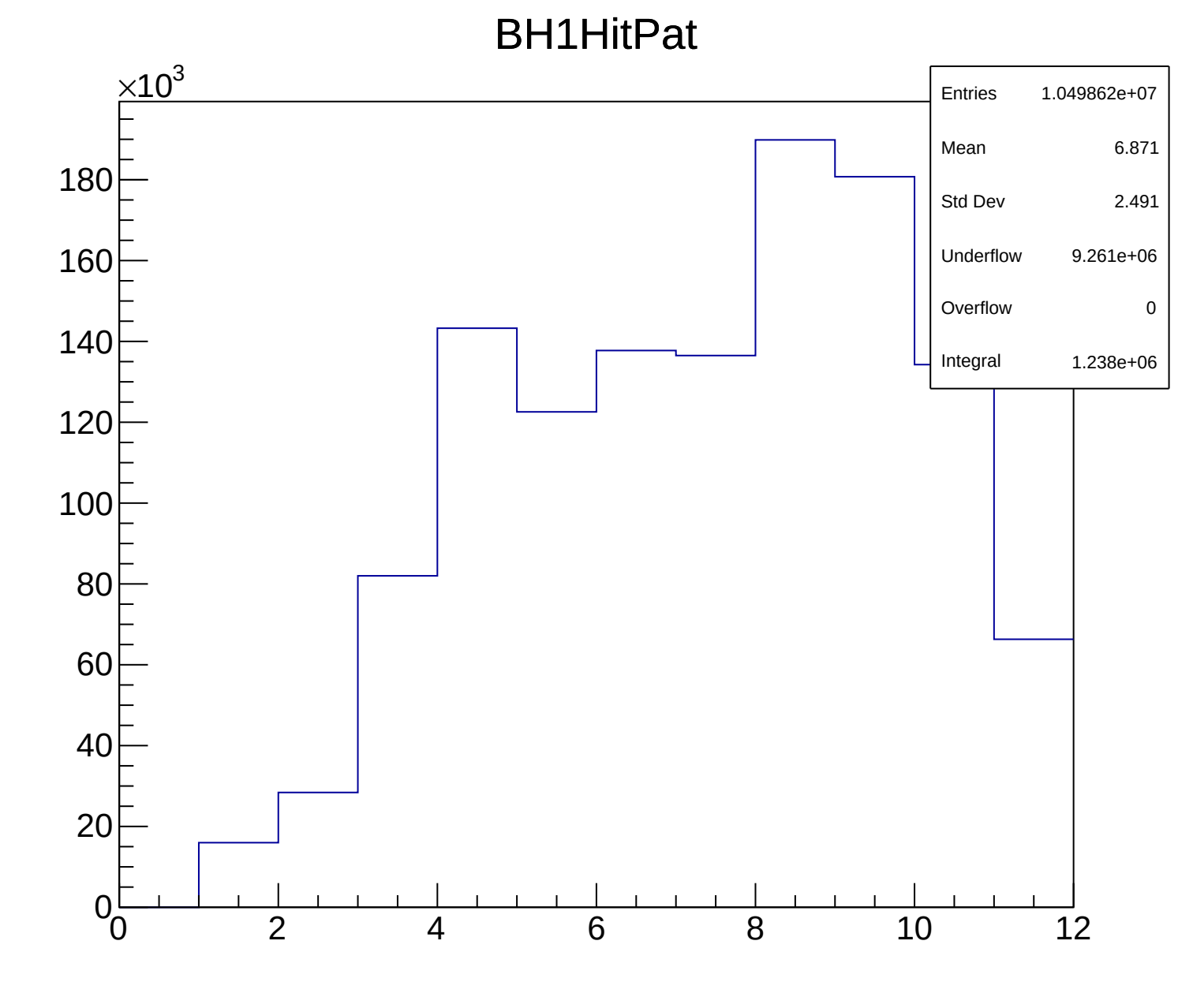
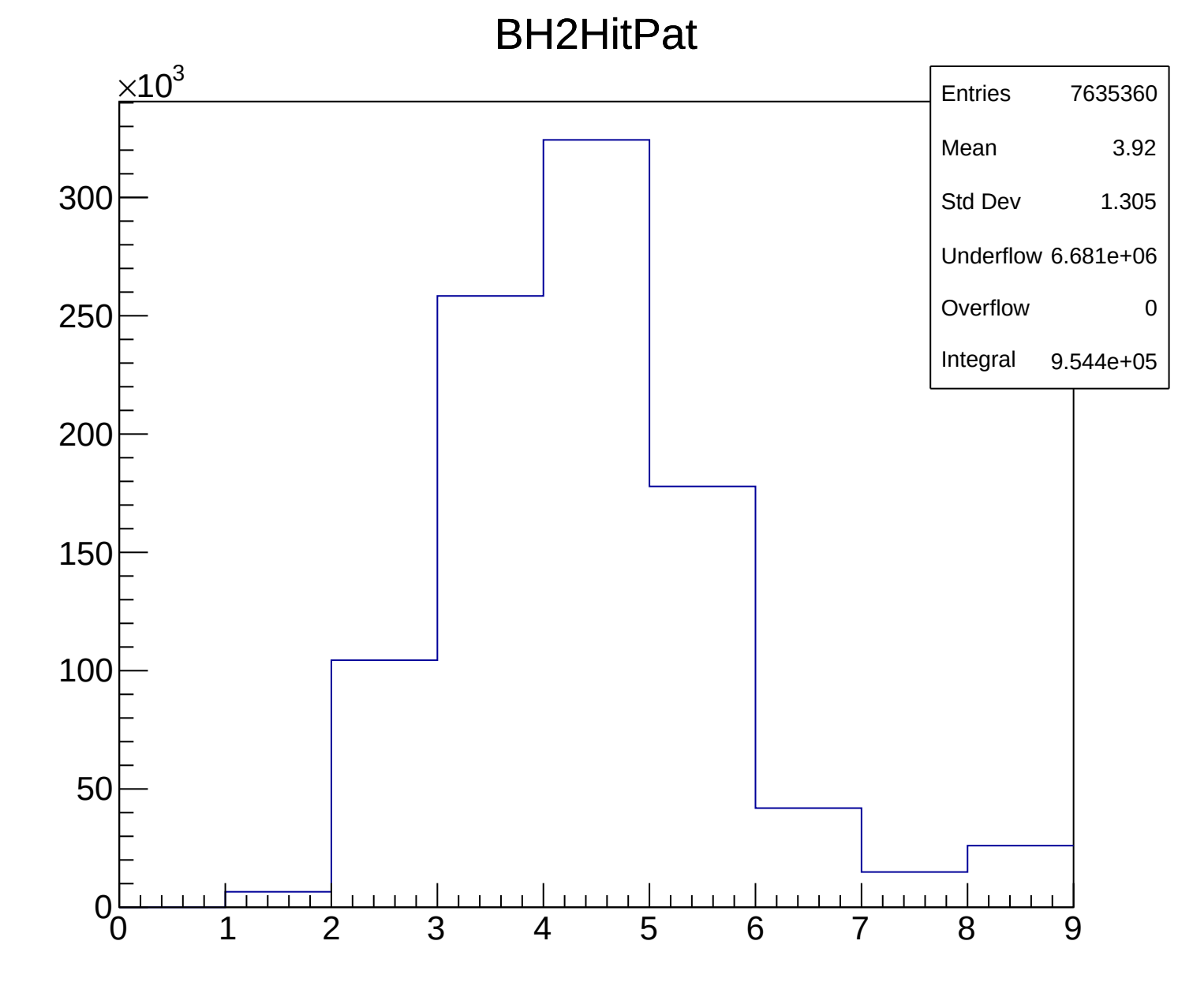
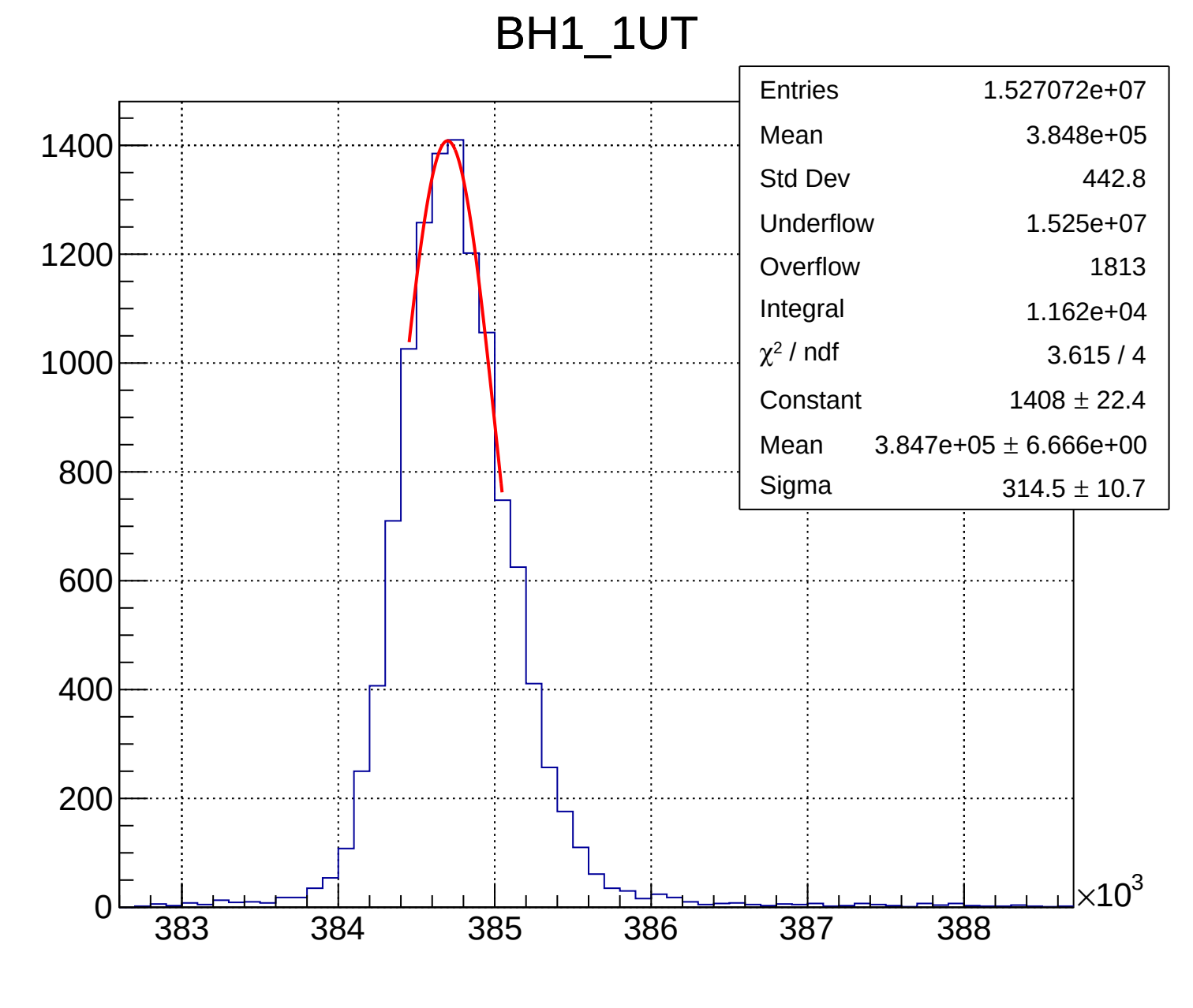
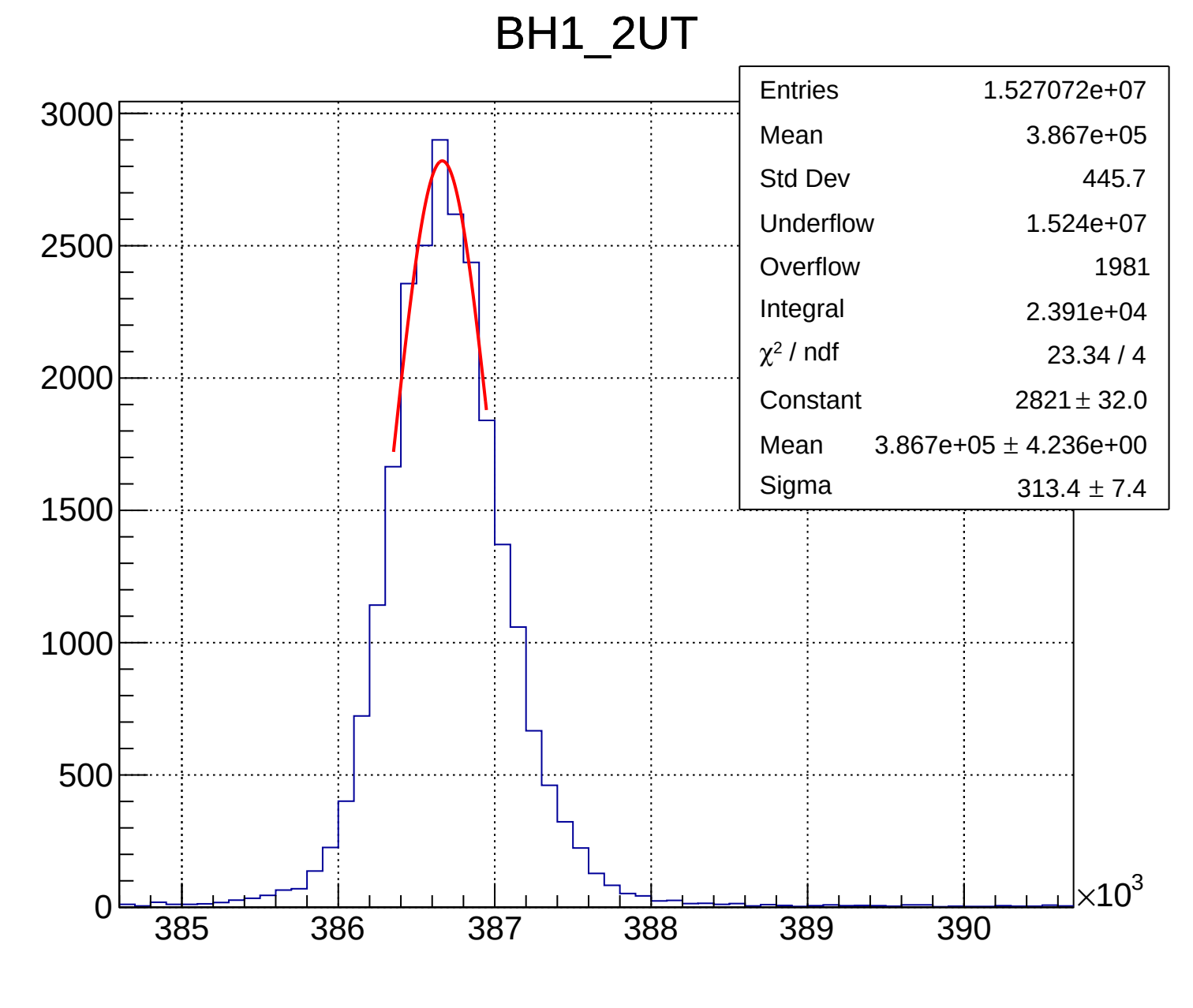
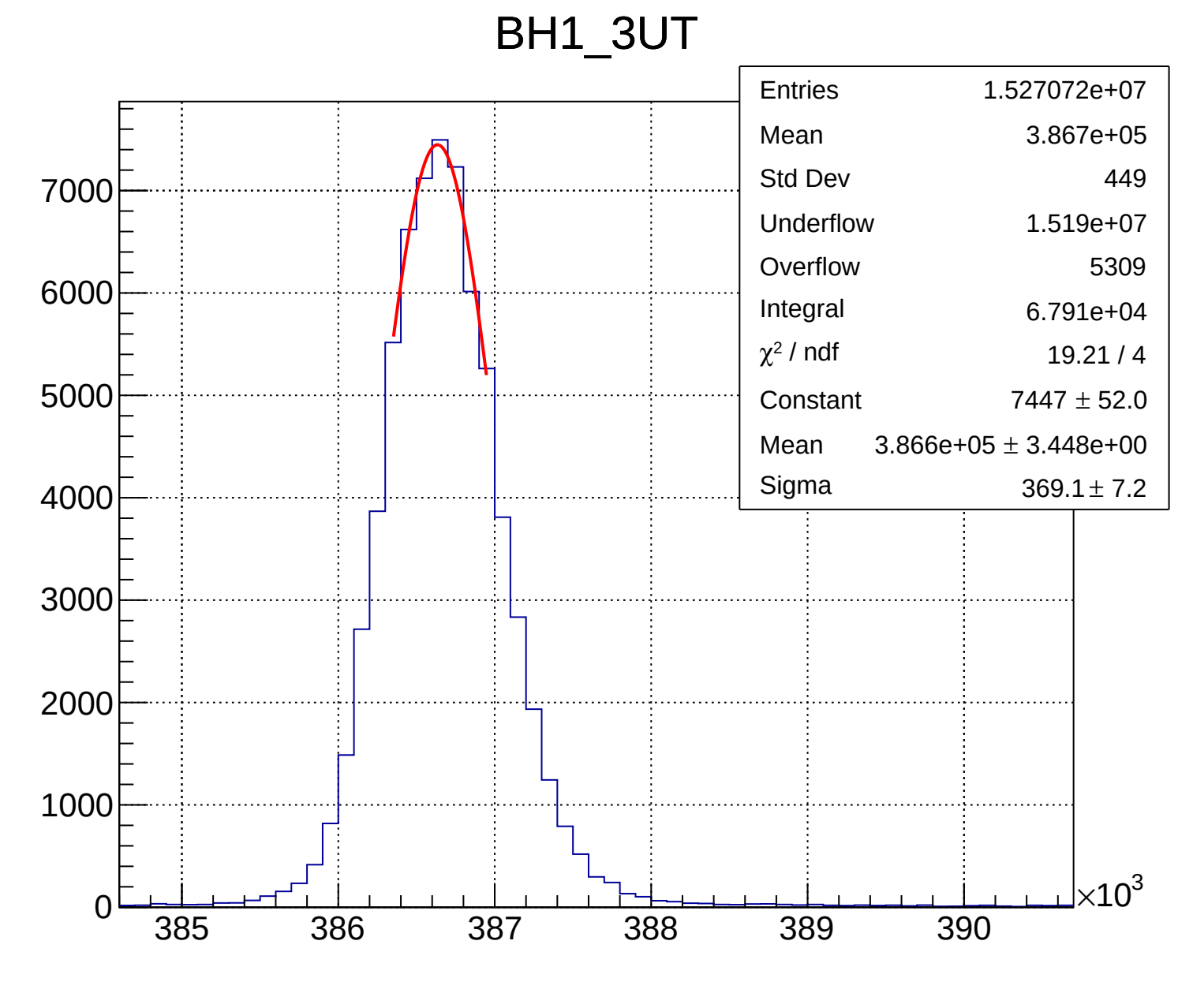
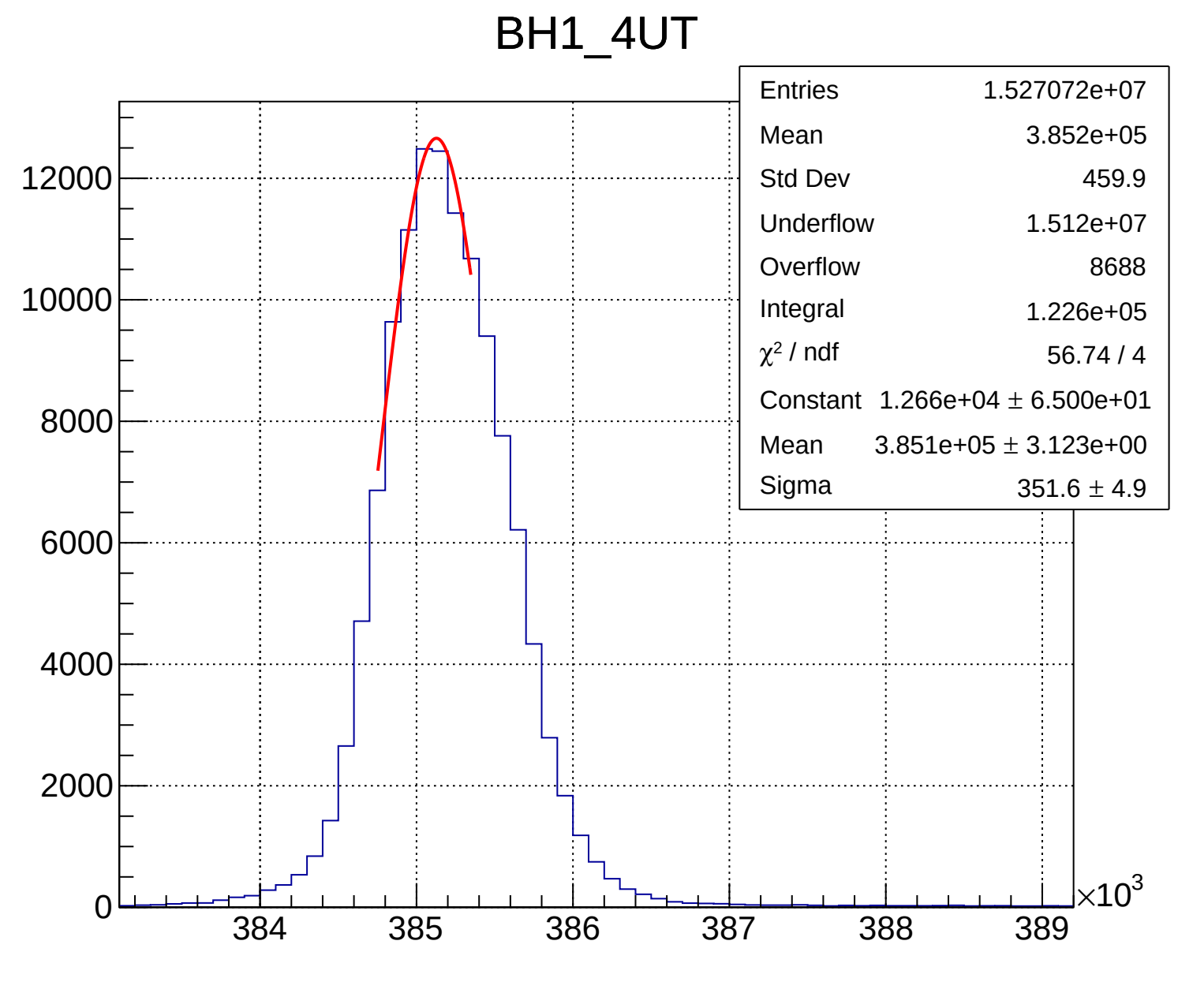

BH1HitPat
×10^3
180
160
140
120
100
80
60
40
20
0
0
2
4
6
8
10
12
Entries 1.049862e+07
Mean 6.871
Std Dev 2.491
Underflow 9.261e+06
Overflow 0
Integral 1.238e+06

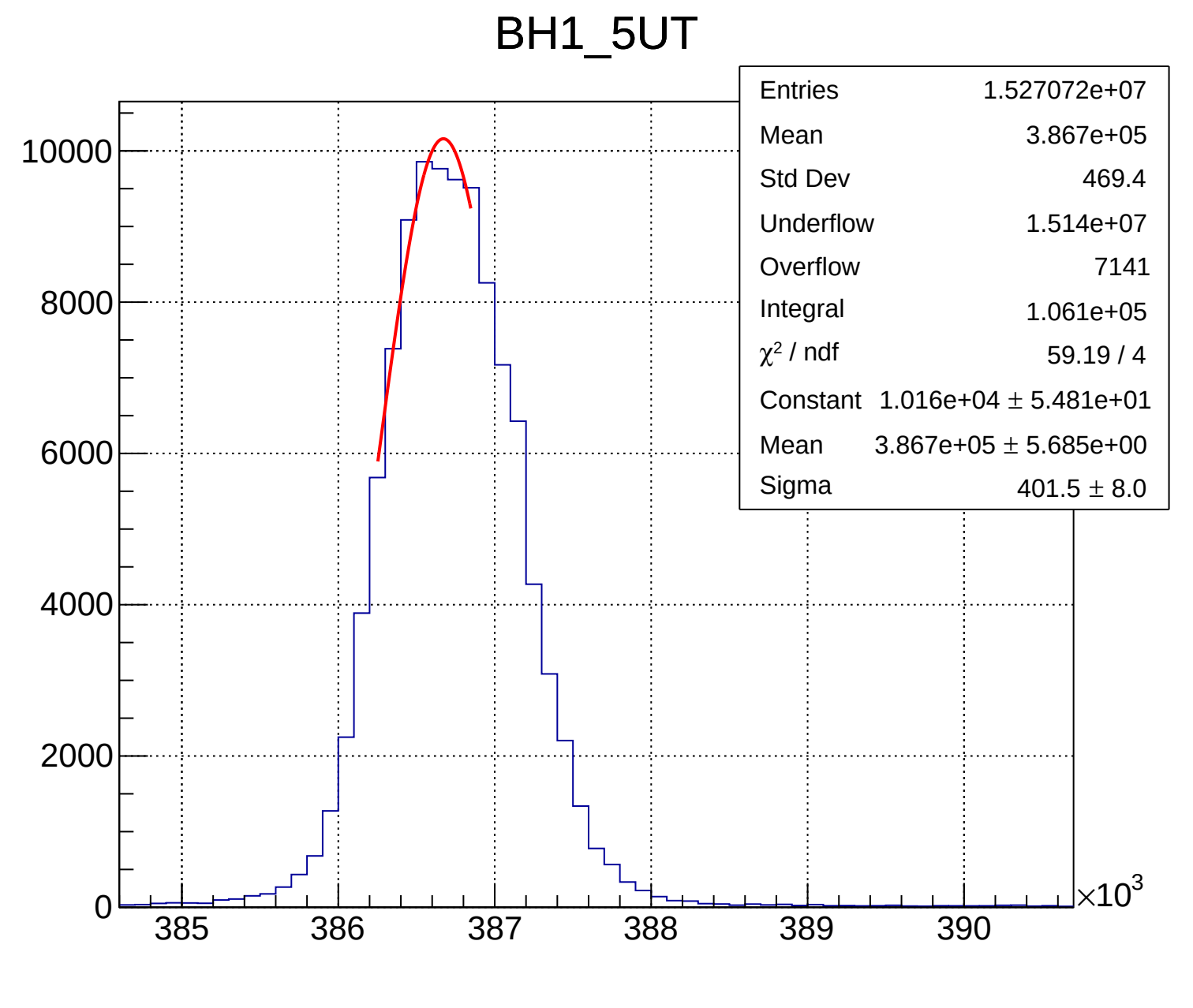

BH2HitPat
×10^3
300
250
200
150
100
50
0
0
1
2
3
4
5
6
7
8
9
Entries 7635360
Mean 3.92
Std Dev 1.305
Underflow 6.681e+06
Overflow 0
Integral 9.544e+05

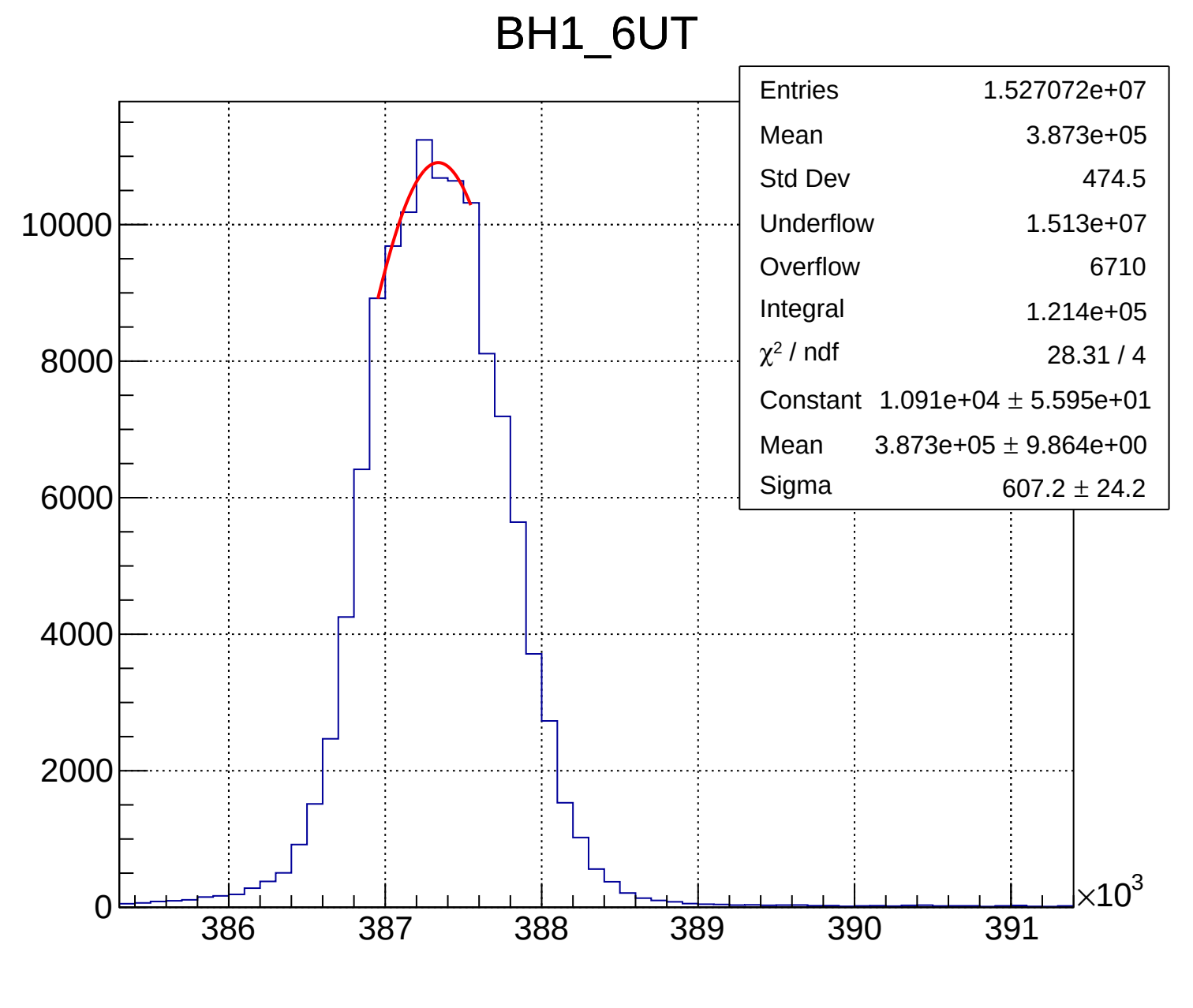

BH1_1UT
Entries 1.527072e+07
Mean 3.848e+05
Std Dev 442.8
Underflow 1.525e+07
Overflow 1813
Integral 1.162e+04
χ² / ndf 3.615 / 4
Constant 1408 ± 22.4
Mean 3.847e+05 ± 6.666e+00
Sigma 314.5 ± 10.7
1400
1200
1000
800
600
400
200
0
383
384
385
386
387
388
×10³

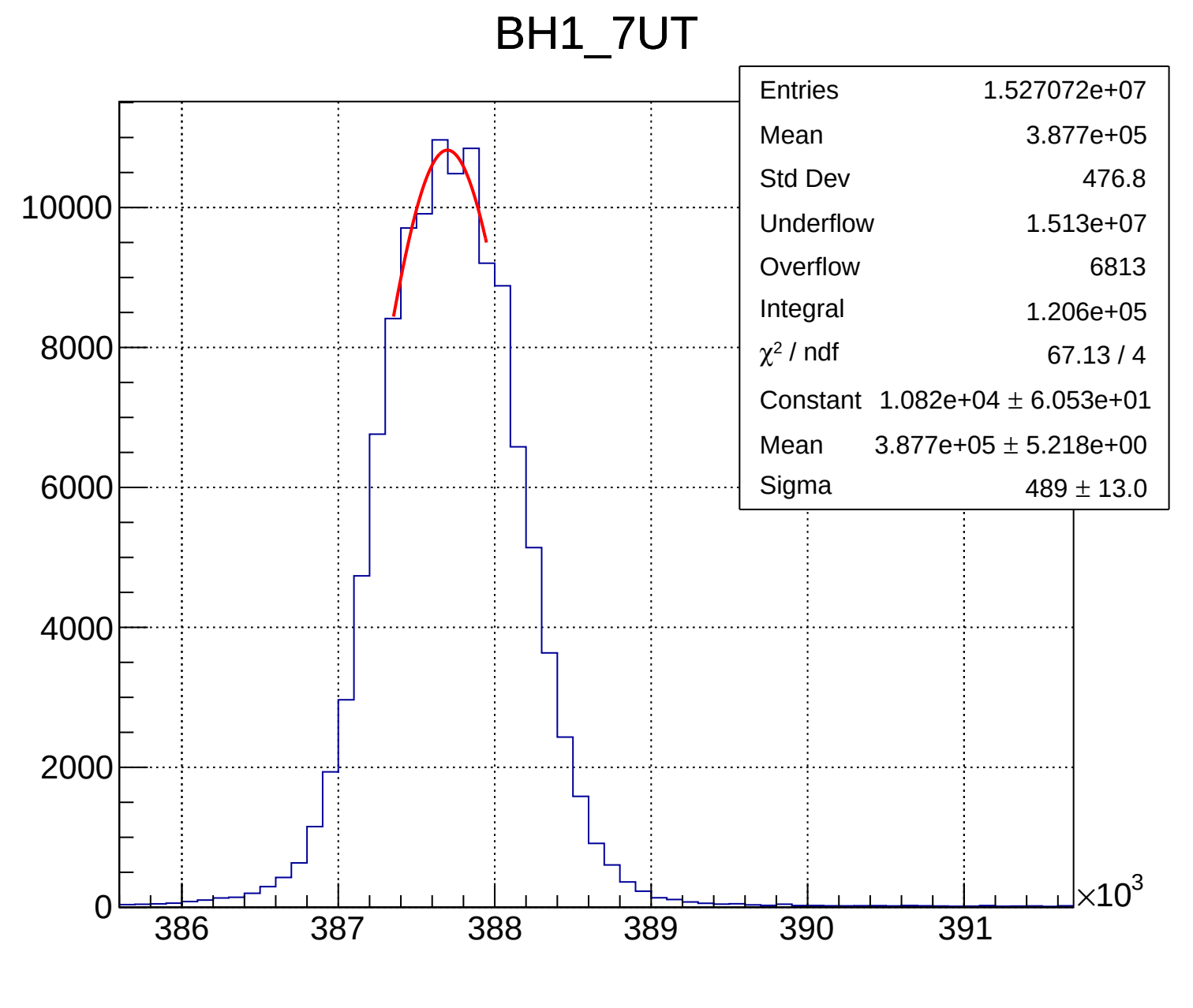

BH1_2UT
Entries 1.527072e+07
Mean 3.867e+05
Std Dev 445.7
Underflow 1.524e+07
Overflow 1981
Integral 2.391e+04
χ² / ndf 23.34 / 4
Constant 2821 ± 32.0
Mean 3.867e+05 ± 4.236e+00
Sigma 313.4 ± 7.4
3000
2500
2000
1500
1000
500
0
385
386
387
388
389
390
×10³

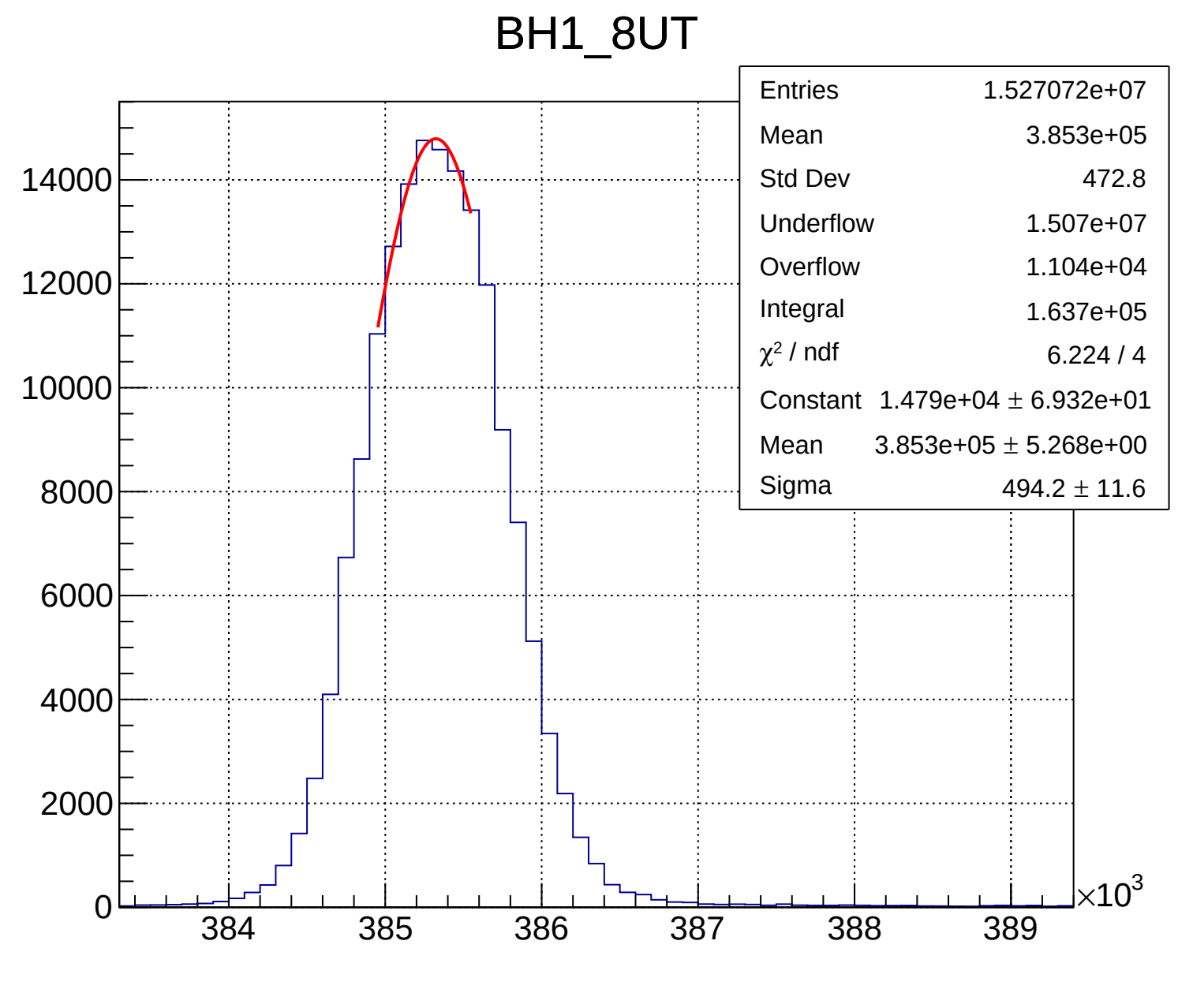

BH1_3UT
Entries 1.527072e+07
Mean 3.867e+05
Std Dev 449
Underflow 1.519e+07
Overflow 5309
Integral 6.791e+04
χ² / ndf 19.21 / 4
Constant 7447 ± 52.0
Mean 3.866e+05 ± 3.448e+00
Sigma 369.1 ± 7.2
7000
6000
5000
4000
3000
2000
1000
0
385
386
387
388
389
390
×10³

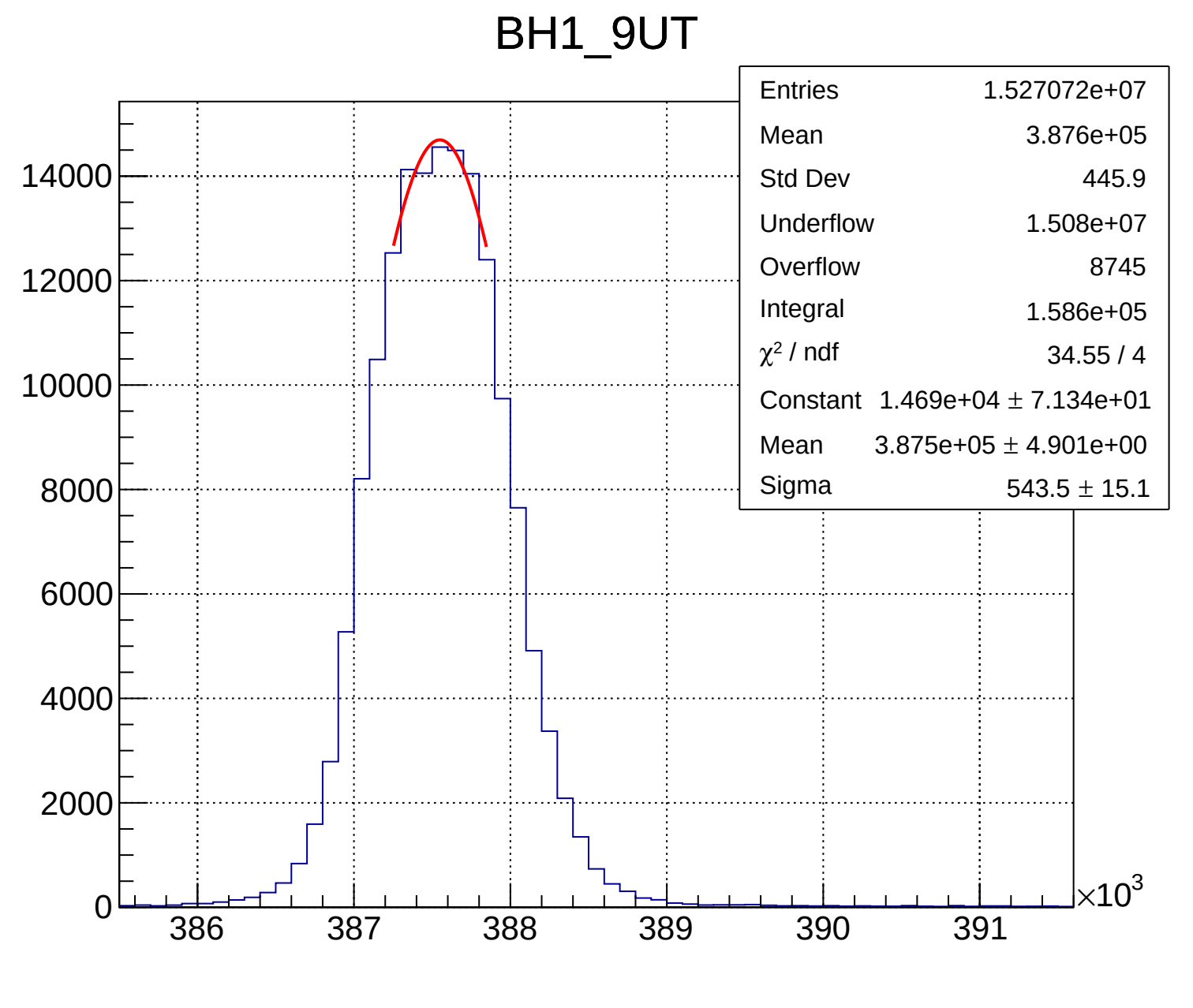

BH1_4UT
Entries 1.527072e+07
Mean 3.852e+05
Std Dev 459.9
Underflow 1.512e+07
Overflow 8688
Integral 1.226e+05
χ² / ndf 56.74 / 4
Constant 1.266e+04 ± 6.500e+01
Mean 3.851e+05 ± 3.123e+00
Sigma 351.6 ± 4.9
12000
10000
8000
6000
4000
2000
0
384
385
386
387
388
389
×10³

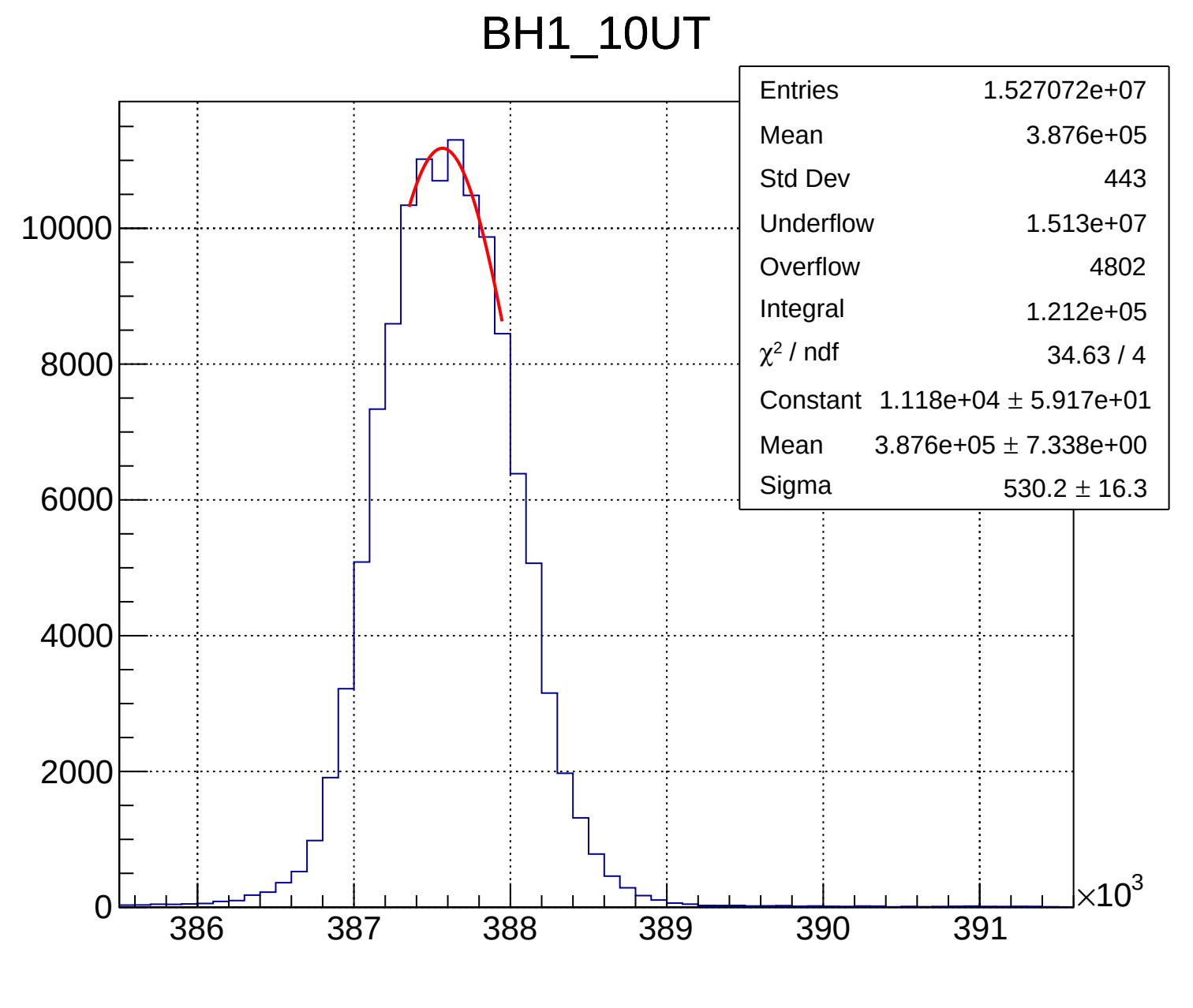

BH1_5UT
Entries 1.527072e+07
Mean 3.867e+05
Std Dev 469.4
Underflow 1.514e+07
Overflow 7141
Integral 1.061e+05
χ² / ndf 59.19 / 4
Constant 1.016e+04 ± 5.481e+01
Mean 3.867e+05 ± 5.685e+00
Sigma 401.5 ± 8.0
10000
8000
6000
4000
2000
0
385
386
387
388
389
390
×10³

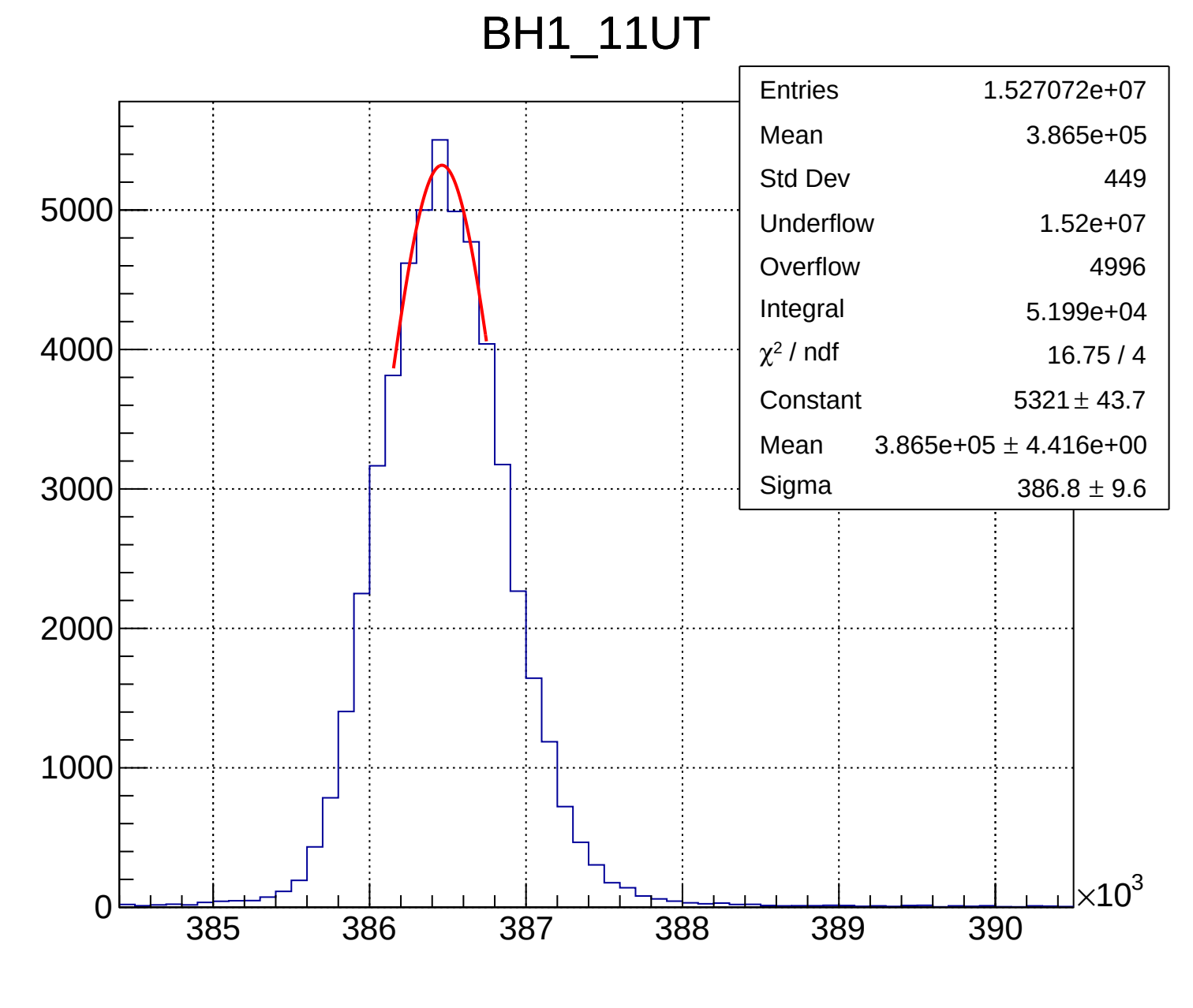

BH1_6UT
Entries 1.527072e+07
Mean 3.873e+05
Std Dev 474.5
Underflow 1.513e+07
Overflow 6710
Integral 1.214e+05
χ² / ndf 28.31 / 4
Constant 1.091e+04 ± 5.595e+01
Mean 3.873e+05 ± 9.864e+00
Sigma 607.2 ± 24.2
10000
8000
6000
4000
2000
0
386
387
388
389
390
391
×10³

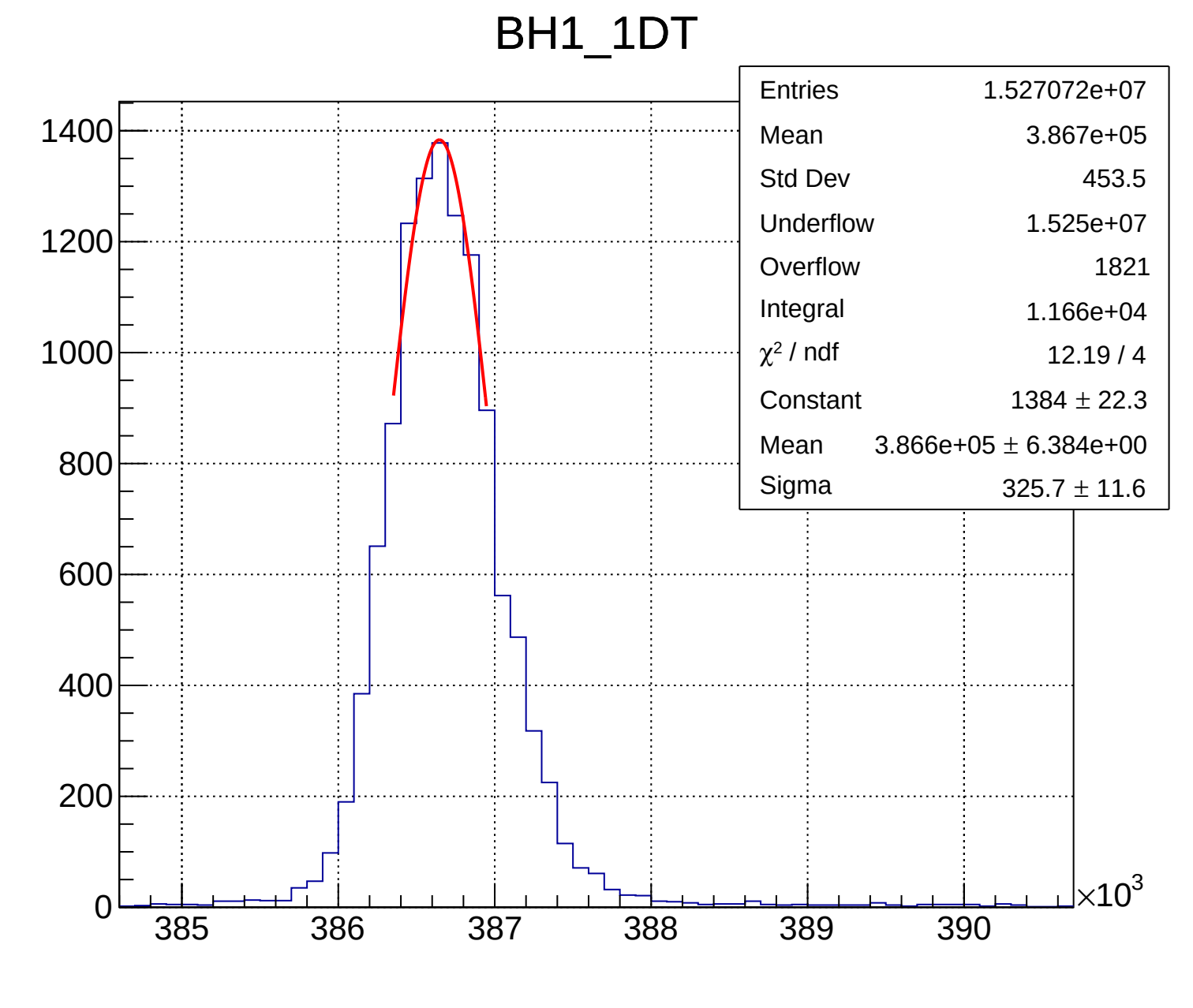

BH1_7UT
Entries 1.527072e+07
Mean 3.877e+05
Std Dev 476.8
Underflow 1.513e+07
Overflow 6813
Integral 1.206e+05
χ² / ndf 67.13 / 4
Constant 1.082e+04 ± 6.053e+01
Mean 3.877e+05 ± 5.218e+00
Sigma 489 ± 13.0
10000
8000
6000
4000
2000
0
386
387
388
389
390
391
×10³

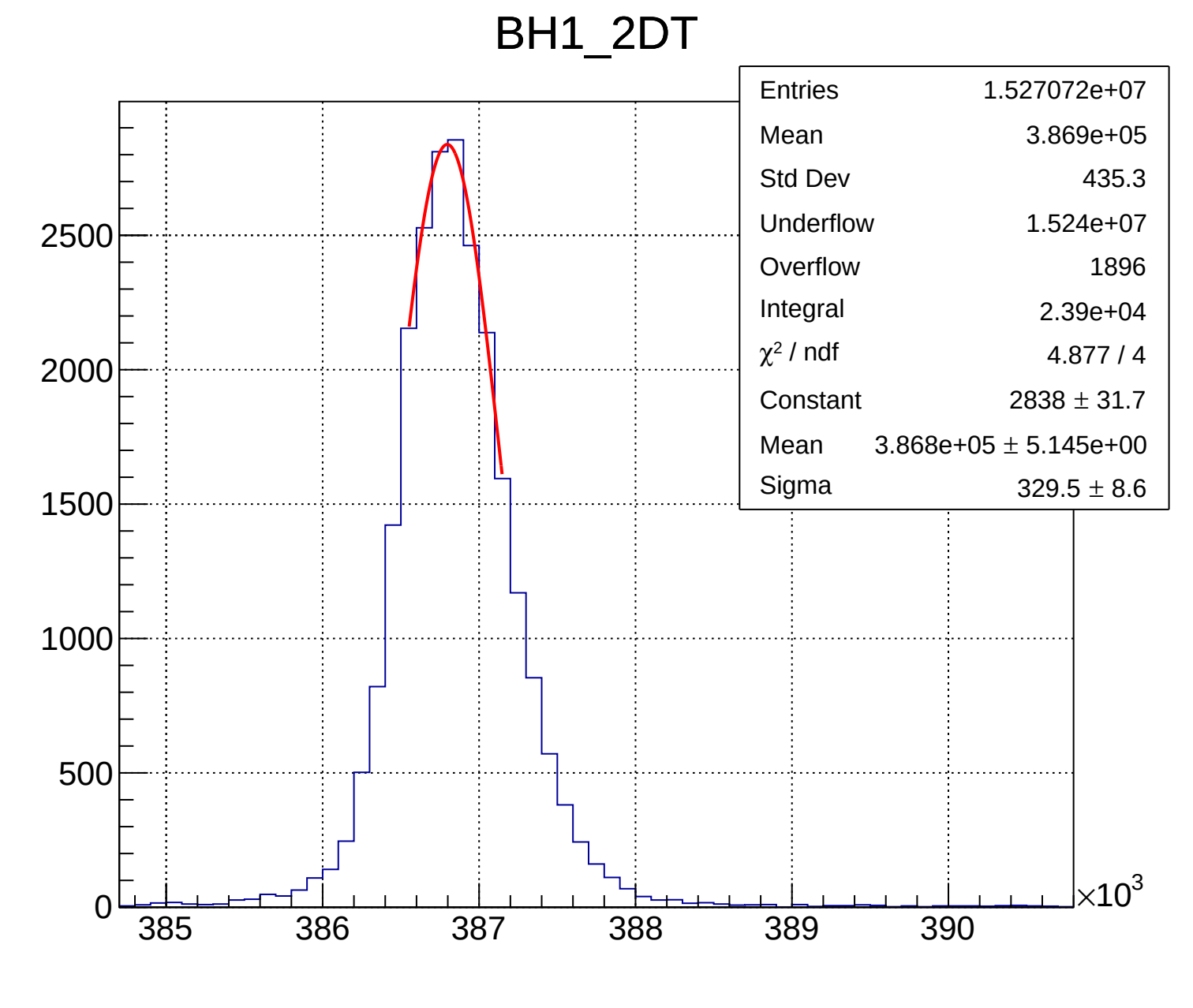

BH1_8UT
Entries 1.527072e+07
Mean 3.853e+05
Std Dev 472.8
Underflow 1.507e+07
Overflow 1.104e+04
Integral 1.637e+05
χ² / ndf 6.224 / 4
Constant 1.479e+04 ± 6.932e+01
Mean 3.853e+05 ± 5.268e+00
Sigma 494.2 ± 11.6
14000
12000
10000
8000
6000
4000
2000
0
384
385
386
387
388
389
×10³

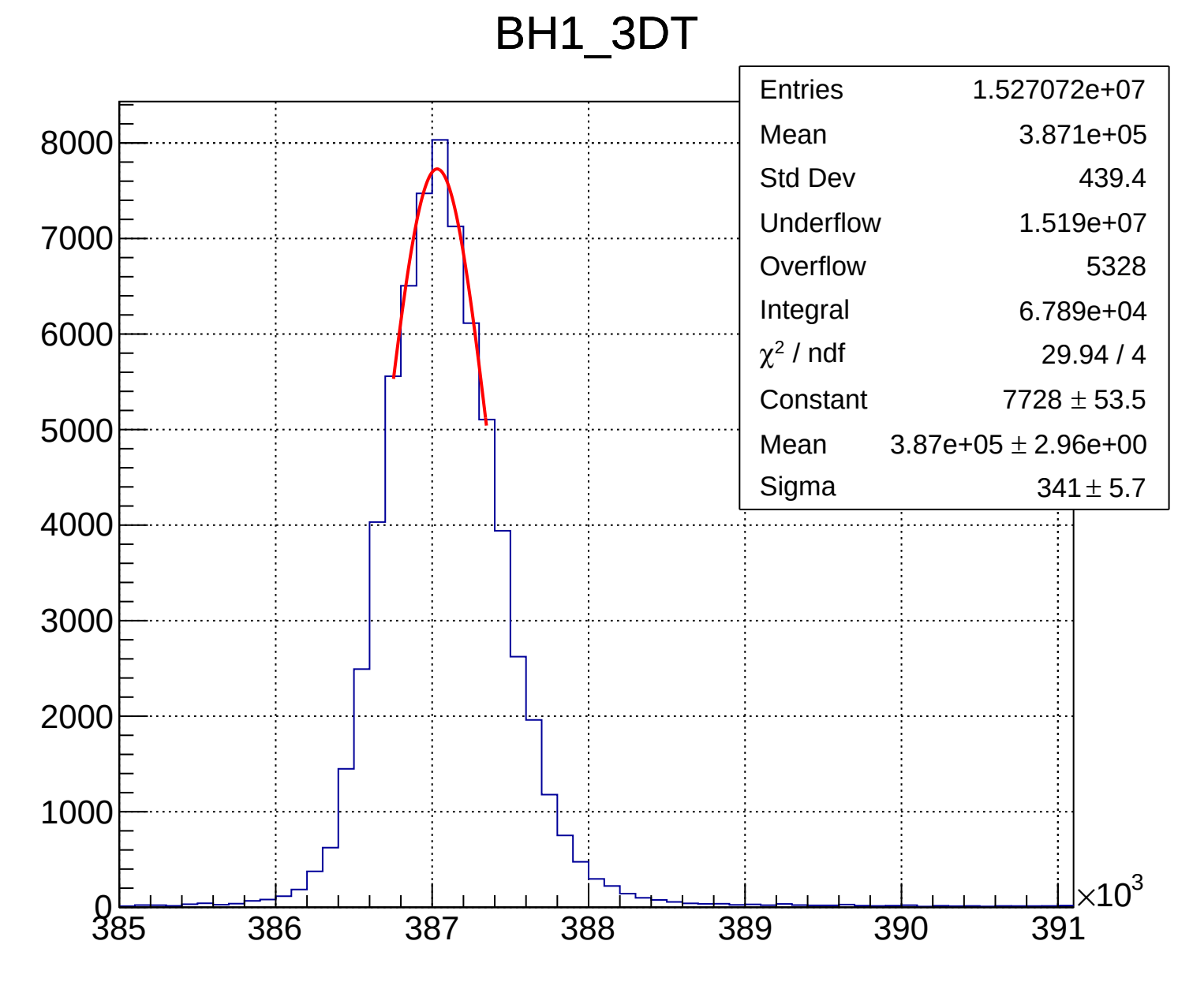

BH1_9UT
Entries 1.527072e+07
Mean 3.876e+05
Std Dev 445.9
Underflow 1.508e+07
Overflow 8745
Integral 1.586e+05
χ² / ndf 34.55 / 4
Constant 1.469e+04 ± 7.134e+01
Mean 3.875e+05 ± 4.901e+00
Sigma 543.5 ± 15.1
14000
12000
10000
8000
6000
4000
2000
0
386
387
388
389
390
391
×10³

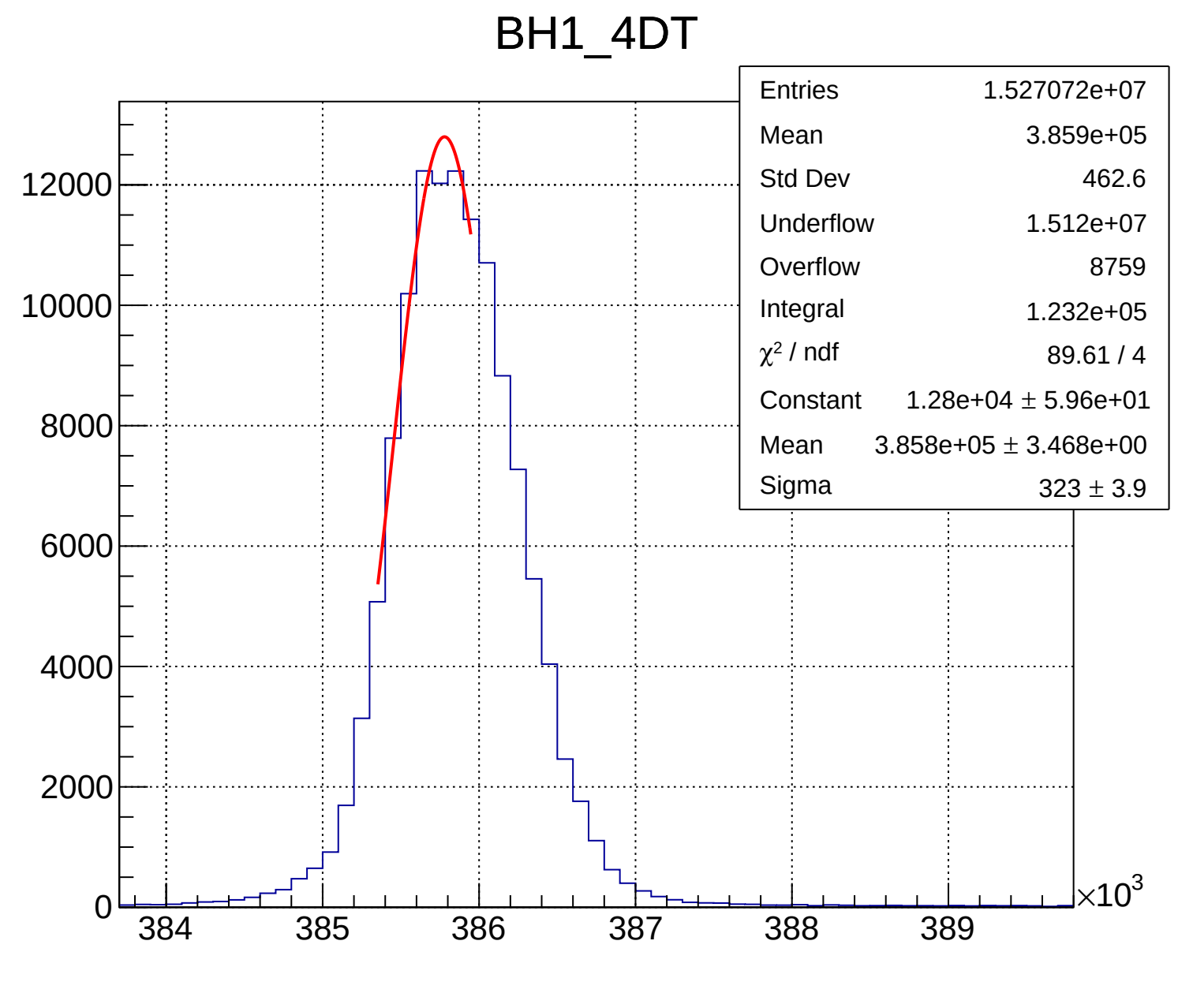

BH1_10UT
Entries 1.527072e+07
Mean 3.876e+05
Std Dev 443
Underflow 1.513e+07
Overflow 4802
Integral 1.212e+05
χ² / ndf 34.63 / 4
Constant 1.118e+04 ± 5.917e+01
Mean 3.876e+05 ± 7.338e+00
Sigma 530.2 ± 16.3
10000
8000
6000
4000
2000
0
386
387
388
389
390
391
×10³

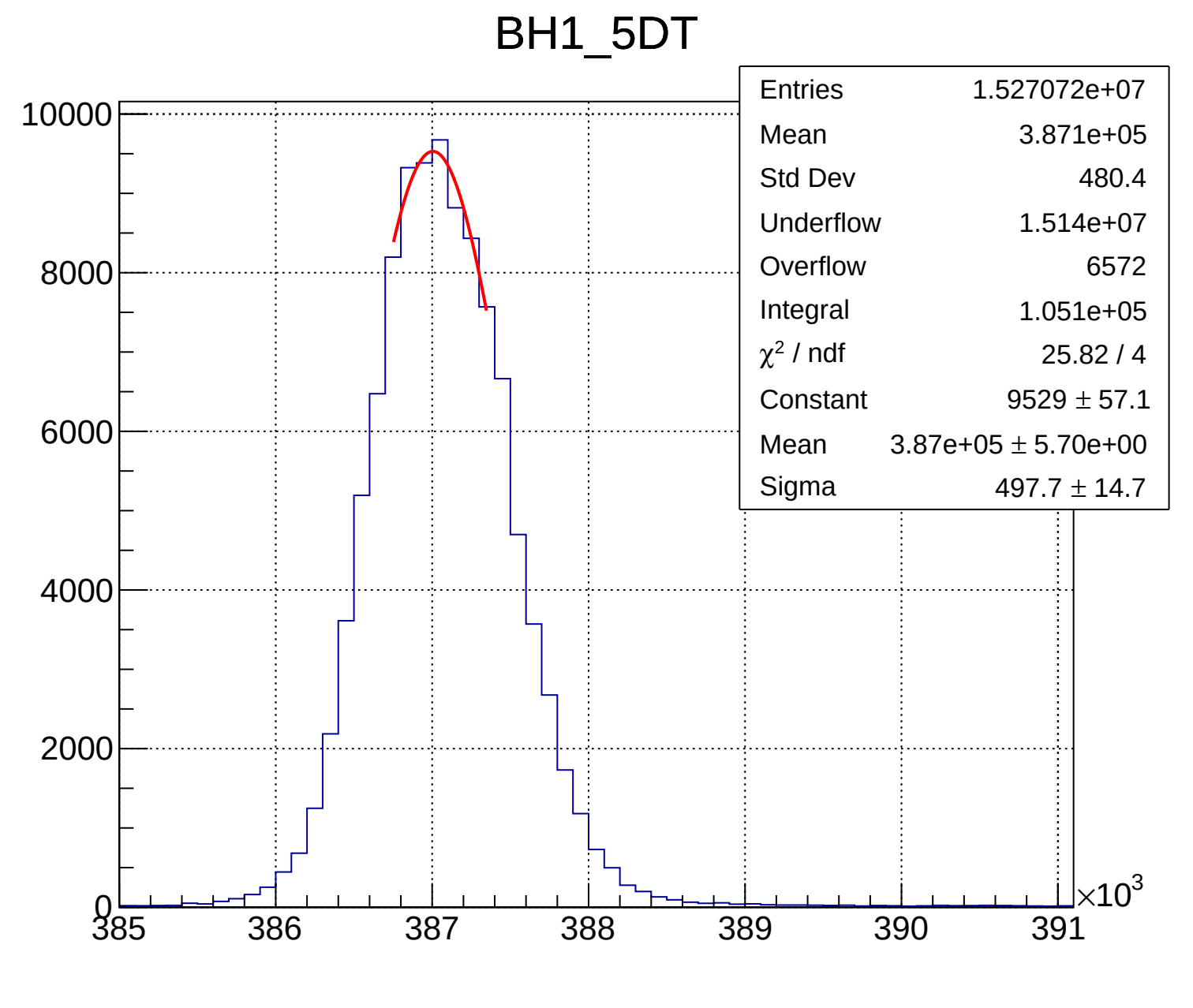

BH1_11UT
Entries 1.527072e+07
Mean 3.865e+05
Std Dev 449
Underflow 1.52e+07
Overflow 4996
Integral 5.199e+04
χ² / ndf 16.75 / 4
Constant 5321 ± 43.7
Mean 3.865e+05 ± 4.416e+00
Sigma 386.8 ± 9.6
5000
4000
3000
2000
1000
0
385
386
387
388
389
390
×10³

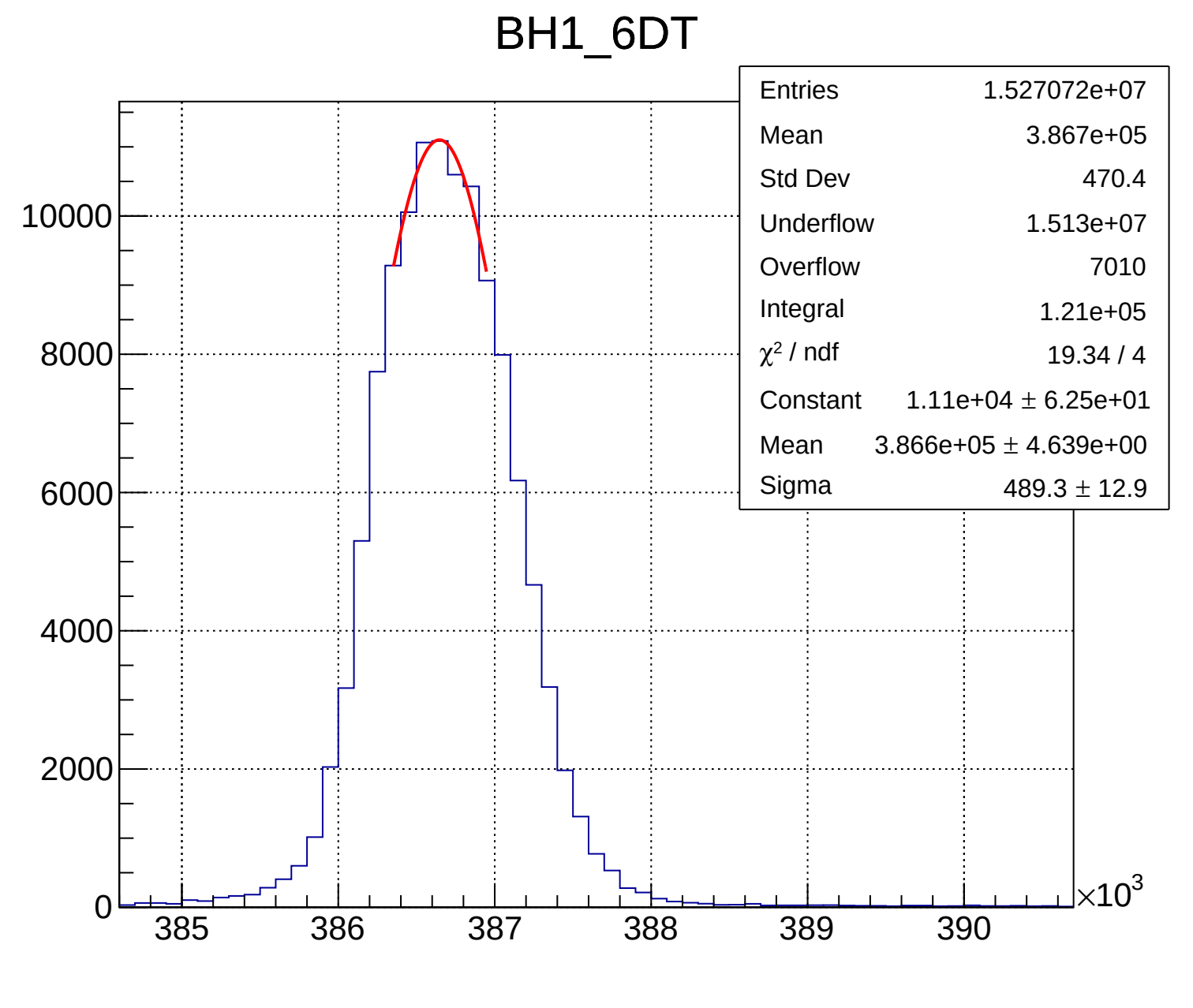

BH1_1DT
Entries 1.527072e+07
Mean 3.867e+05
Std Dev 453.5
Underflow 1.525e+07
Overflow 1821
Integral 1.166e+04
χ² / ndf 12.19 / 4
Constant 1384 ± 22.3
Mean 3.866e+05 ± 6.384e+00
Sigma 325.7 ± 11.6
1400
1200
1000
800
600
400
200
0
385
386
387
388
389
390
×10³

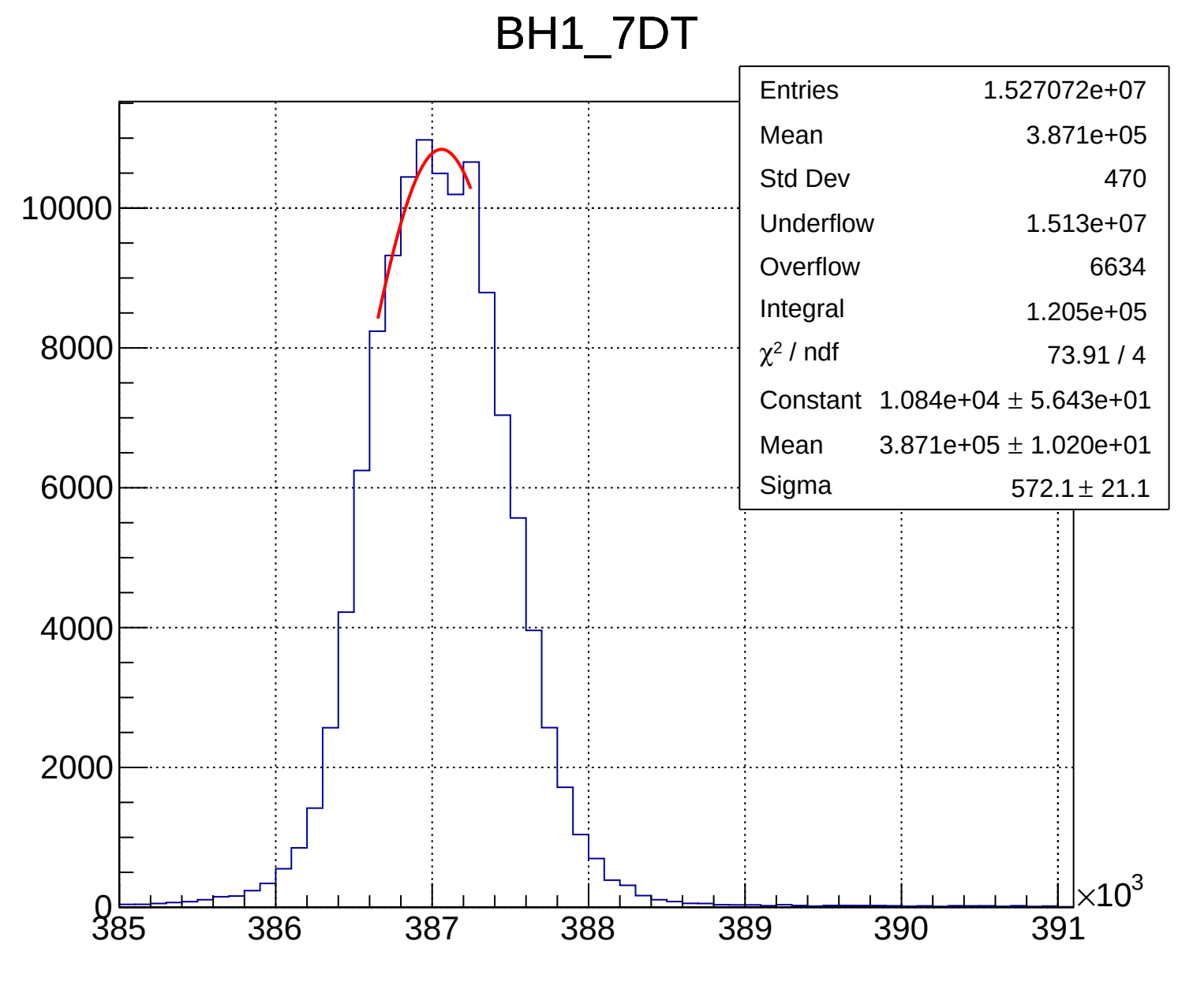

BH1_2DT
Entries 1.527072e+07
Mean 3.869e+05
Std Dev 435.3
Underflow 1.524e+07
Overflow 1896
Integral 2.39e+04
χ² / ndf 4.877 / 4
Constant 2838 ± 31.7
Mean 3.868e+05 ± 5.145e+00
Sigma 329.5 ± 8.6
2500
2000
1500
1000
500
0
385
386
387
388
389
390
×10³

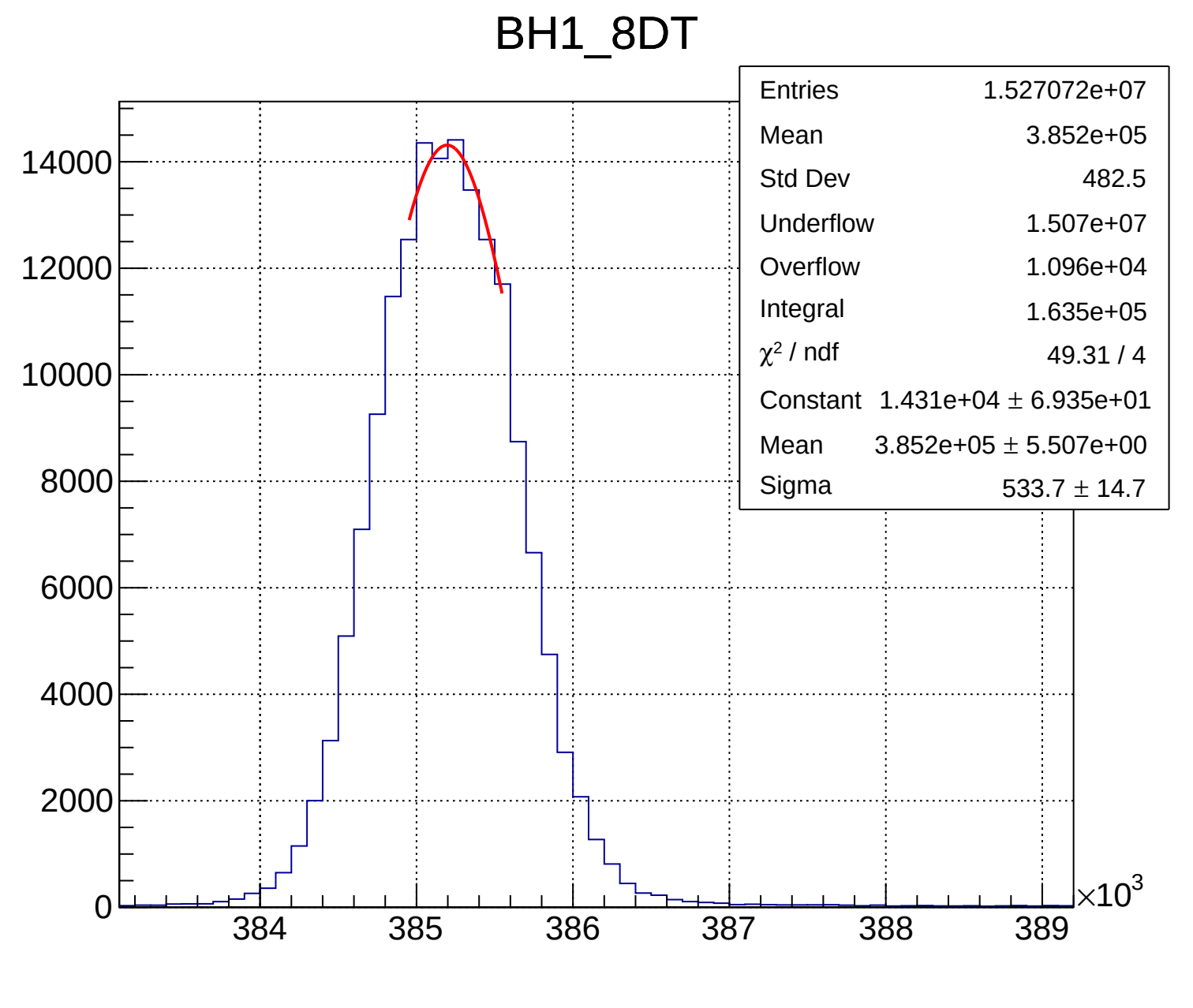

BH1_3DT
Entries 1.527072e+07
Mean 3.871e+05
Std Dev 439.4
Underflow 1.519e+07
Overflow 5328
Integral 6.789e+04
χ² / ndf 29.94 / 4
Constant 7728 ± 53.5
Mean 3.87e+05 ± 2.96e+00
Sigma 341 ± 5.7
8000
7000
6000
5000
4000
3000
2000
1000
0
385
386
387
388
389
390
391
×10³

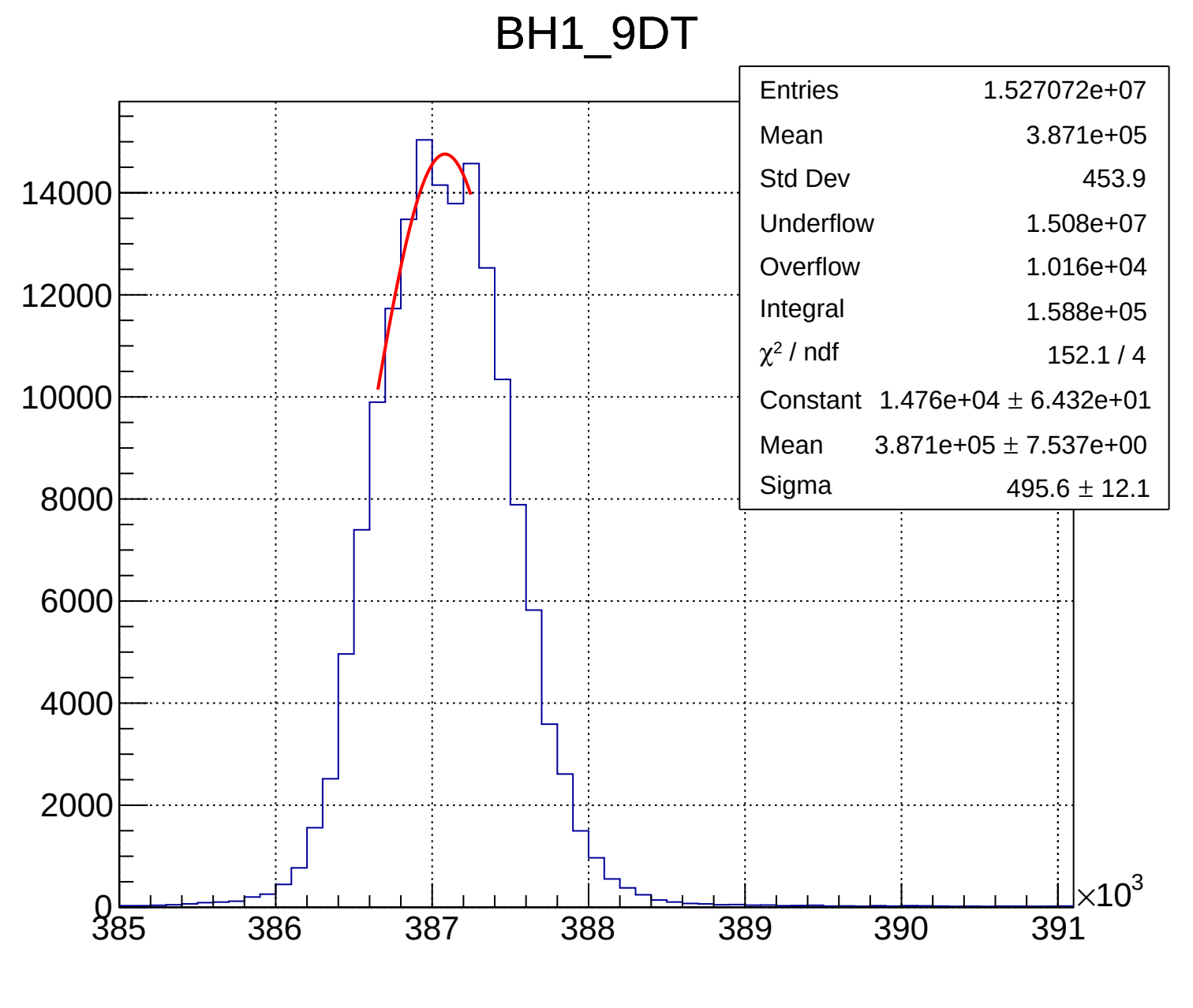

BH1_4DT
Entries 1.527072e+07
Mean 3.859e+05
Std Dev 462.6
Underflow 1.512e+07
Overflow 8759
Integral 1.232e+05
χ² / ndf 89.61 / 4
Constant 1.28e+04 ± 5.96e+01
Mean 3.858e+05 ± 3.468e+00
Sigma 323 ± 3.9
12000
10000
8000
6000
4000
2000
0
384
385
386
387
388
389
×10³

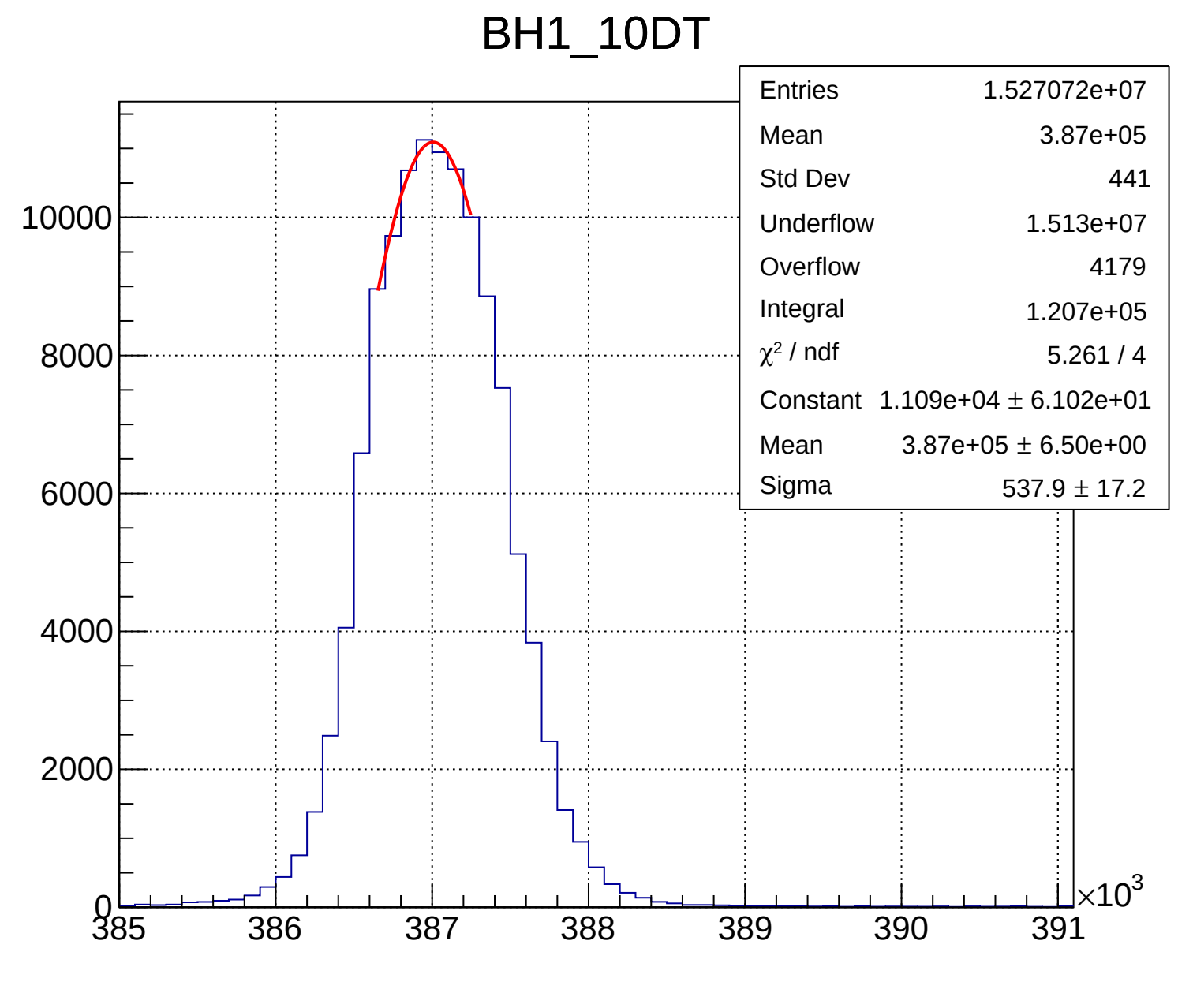

BH1_5DT
Entries 1.527072e+07
Mean 3.871e+05
Std Dev 480.4
Underflow 1.514e+07
Overflow 6572
Integral 1.051e+05
χ² / ndf 25.82 / 4
Constant 9529 ± 57.1
Mean 3.87e+05 ± 5.70e+00
Sigma 497.7 ± 14.7
10000
8000
6000
4000
2000
0
385
386
387
388
389
390
391
×10³

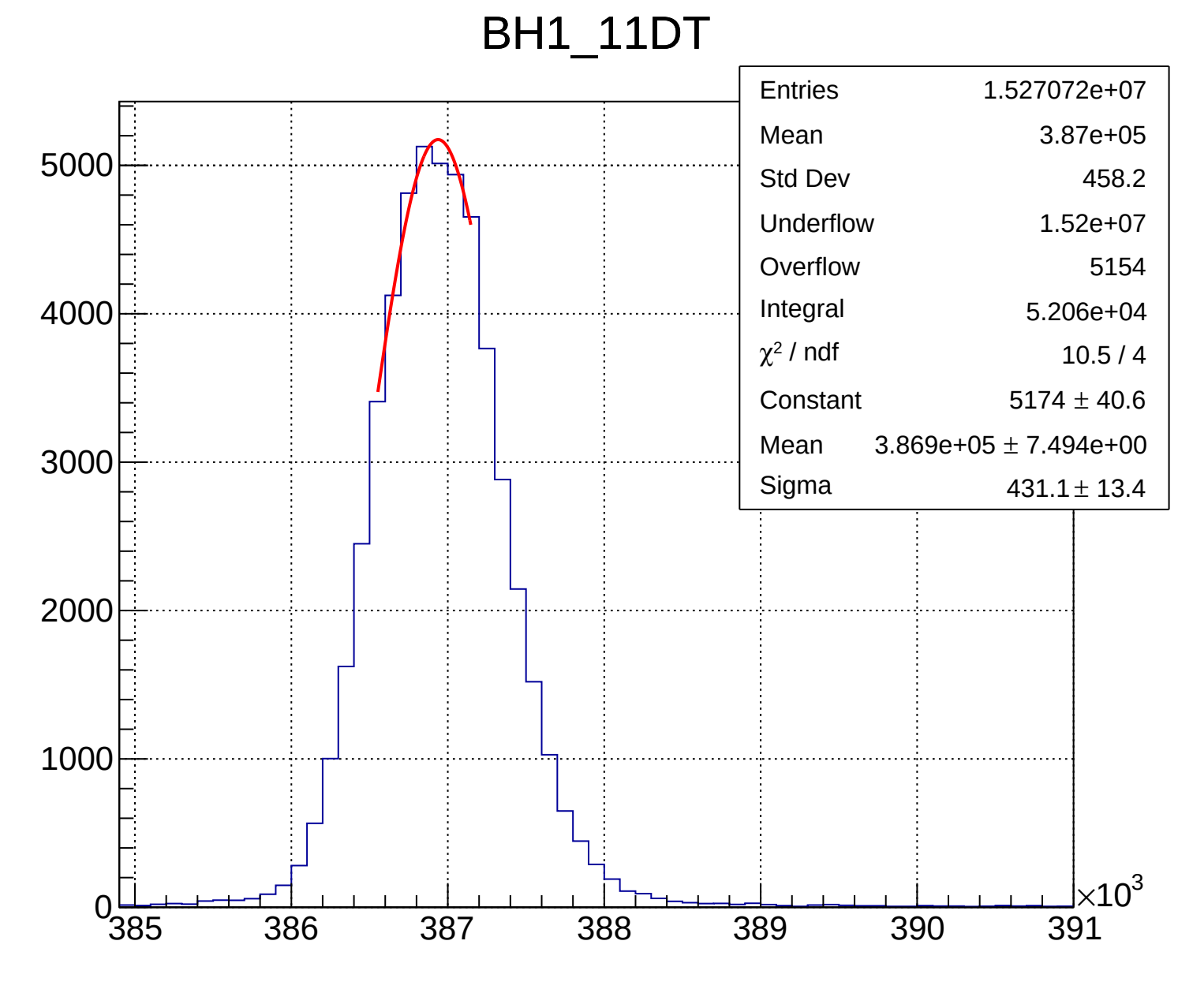

BH1_6DT
Entries 1.527072e+07
Mean 3.867e+05
Std Dev 470.4
Underflow 1.513e+07
Overflow 7010
Integral 1.21e+05
χ² / ndf 19.34 / 4
Constant 1.11e+04 ± 6.25e+01
Mean 3.866e+05 ± 4.639e+00
Sigma 489.3 ± 12.9
10000
8000
6000
4000
2000
0
385
386
387
388
389
390
×10³

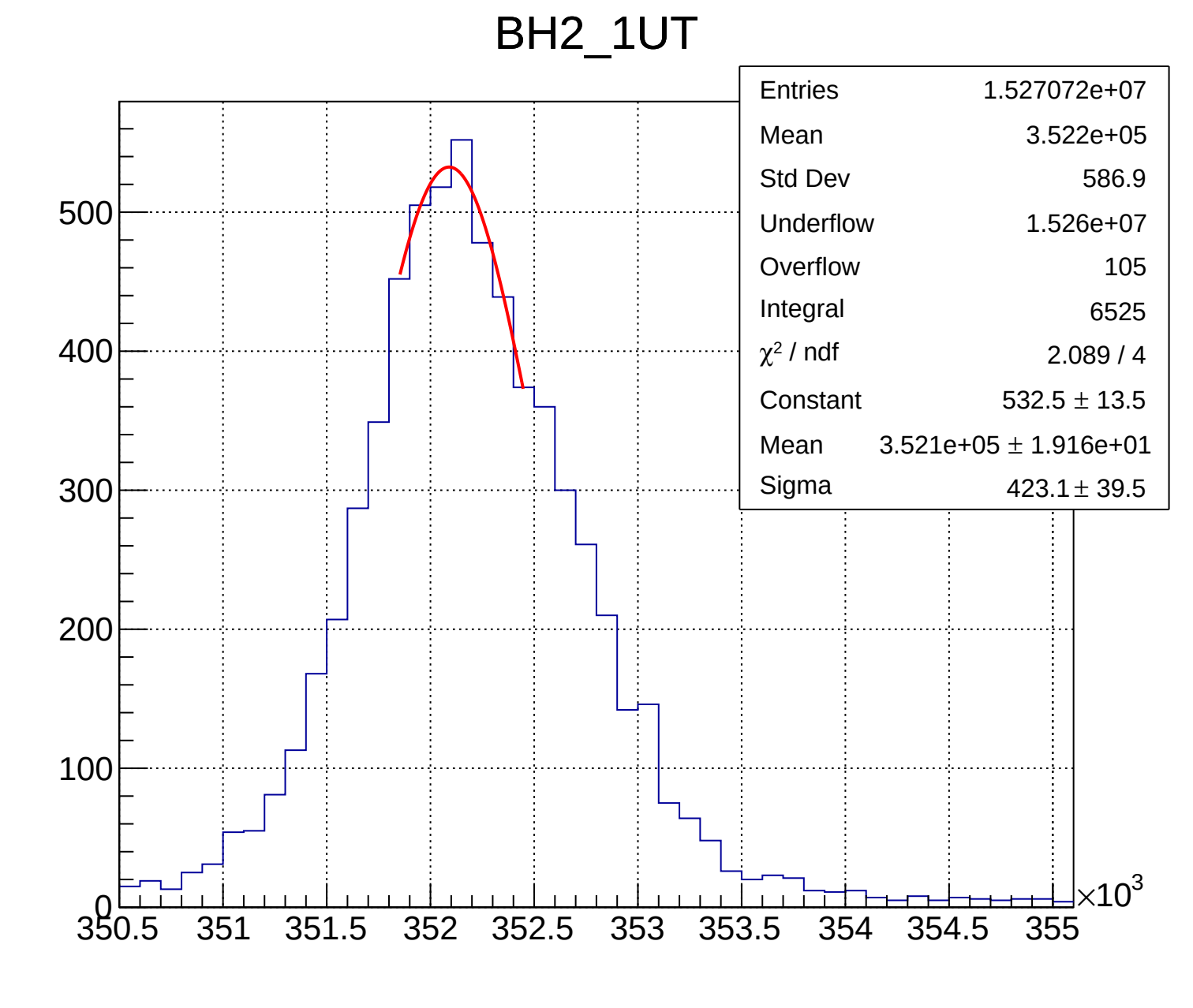

BH1_7DT
Entries 1.527072e+07
Mean 3.871e+05
Std Dev 470
Underflow 1.513e+07
Overflow 6634
Integral 1.205e+05
χ² / ndf 73.91 / 4
Constant 1.084e+04 ± 5.643e+01
Mean 3.871e+05 ± 1.020e+01
Sigma 572.1 ± 21.1
10000
8000
6000
4000
2000
0
385
386
387
388
389
390
391
×10³

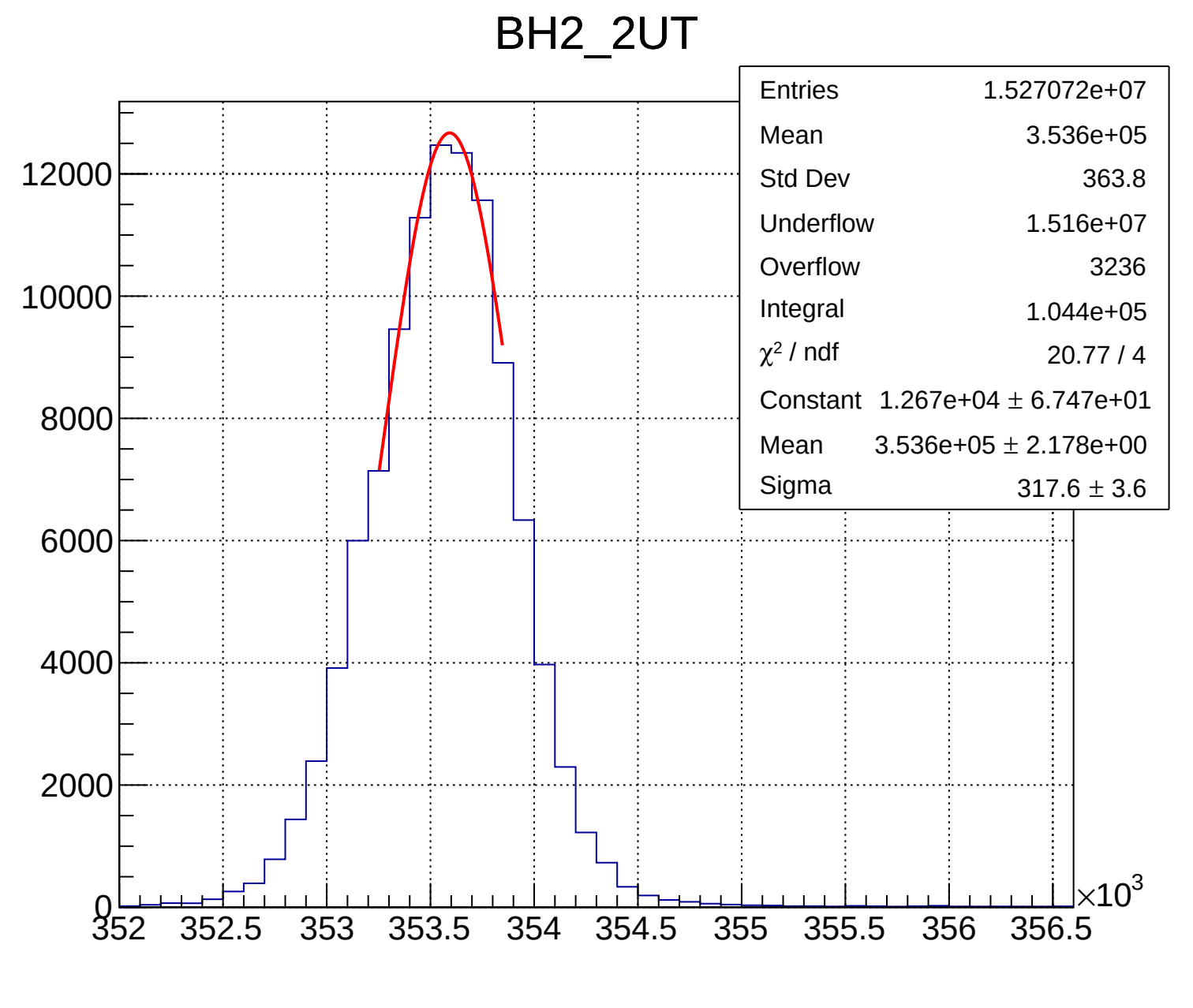

BH1_8DT
Entries 1.527072e+07
Mean 3.852e+05
Std Dev 482.5
Underflow 1.507e+07
Overflow 1.096e+04
Integral 1.635e+05
χ² / ndf 49.31 / 4
Constant 1.431e+04 ± 6.935e+01
Mean 3.852e+05 ± 5.507e+00
Sigma 533.7 ± 14.7
14000
12000
10000
8000
6000
4000
2000
0
384
385
386
387
388
389
×10³

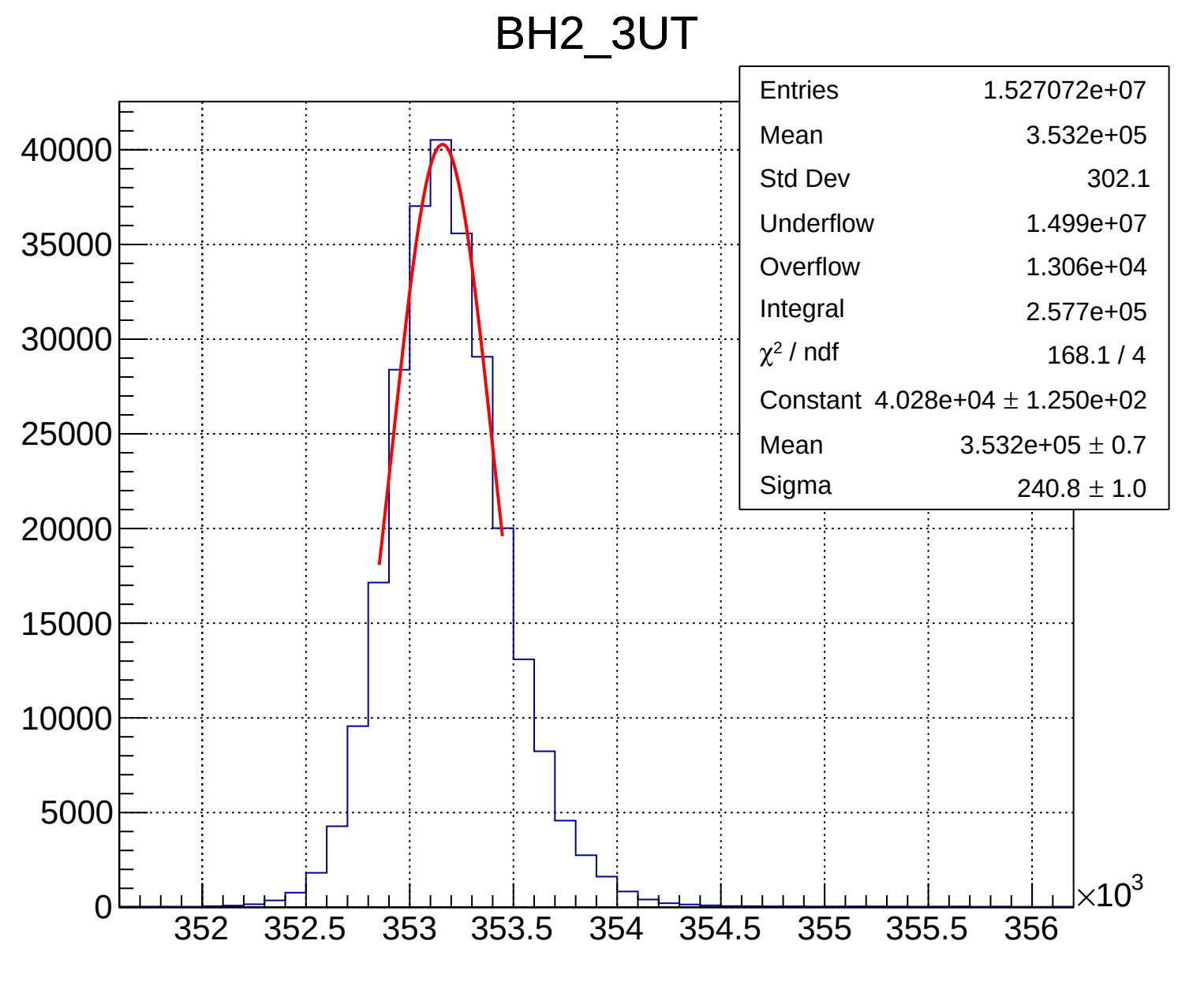

BH1_9DT
Entries 1.527072e+07
Mean 3.871e+05
Std Dev 453.9
Underflow 1.508e+07
Overflow 1.016e+04
Integral 1.588e+05
χ² / ndf 152.1 / 4
Constant 1.476e+04 ± 6.432e+01
Mean 3.871e+05 ± 7.537e+00
Sigma 495.6 ± 12.1
14000
12000
10000
8000
6000
4000
2000
0
385
386
387
388
389
390
391
×10³

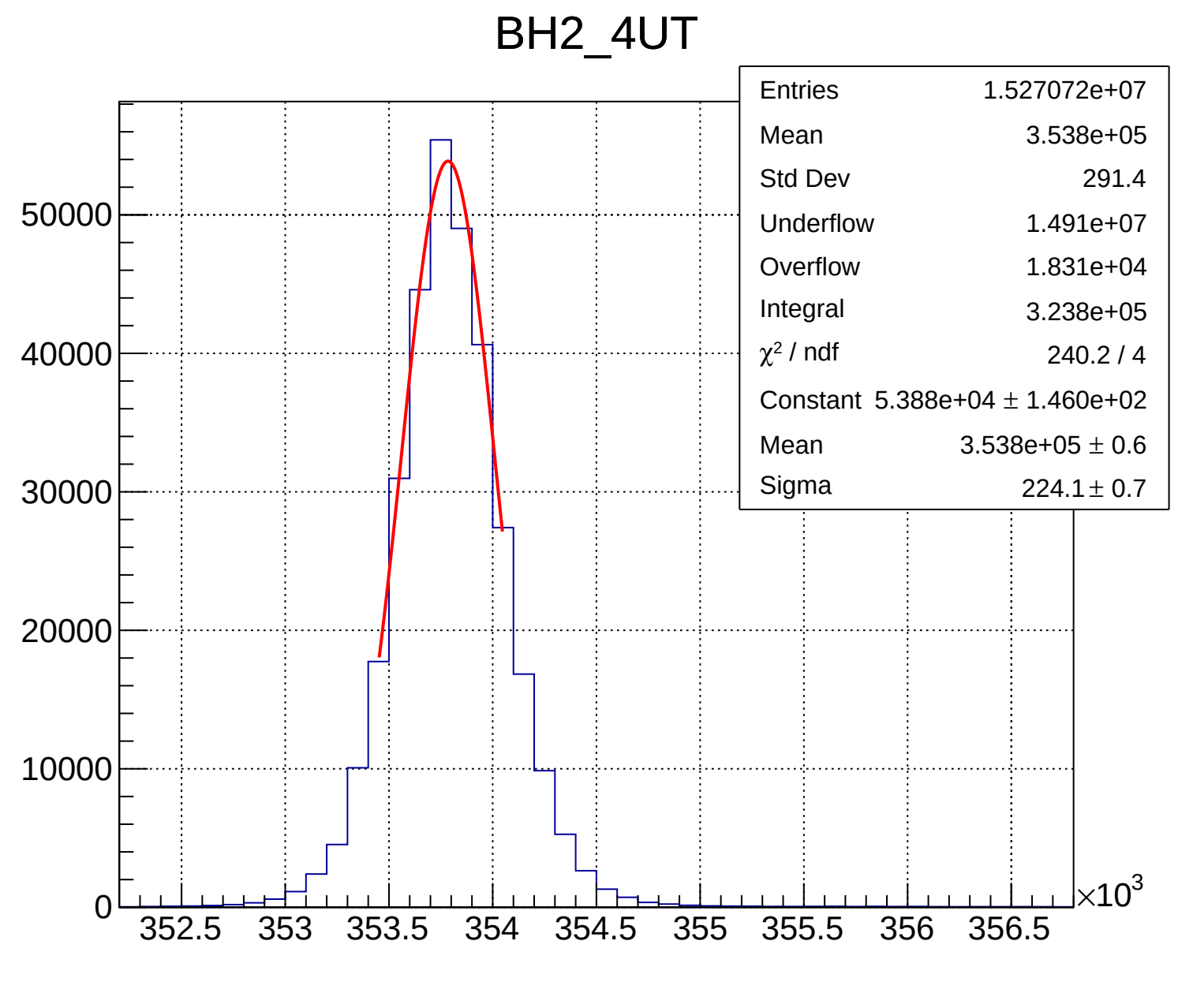

BH1_10DT
Entries 1.527072e+07
Mean 3.87e+05
Std Dev 441
Underflow 1.513e+07
Overflow 4179
Integral 1.207e+05
χ² / ndf 5.261 / 4
Constant 1.109e+04 ± 6.102e+01
Mean 3.87e+05 ± 6.50e+00
Sigma 537.9 ± 17.2
10000
8000
6000
4000
2000
0
385
386
387
388
389
390
391
×10³

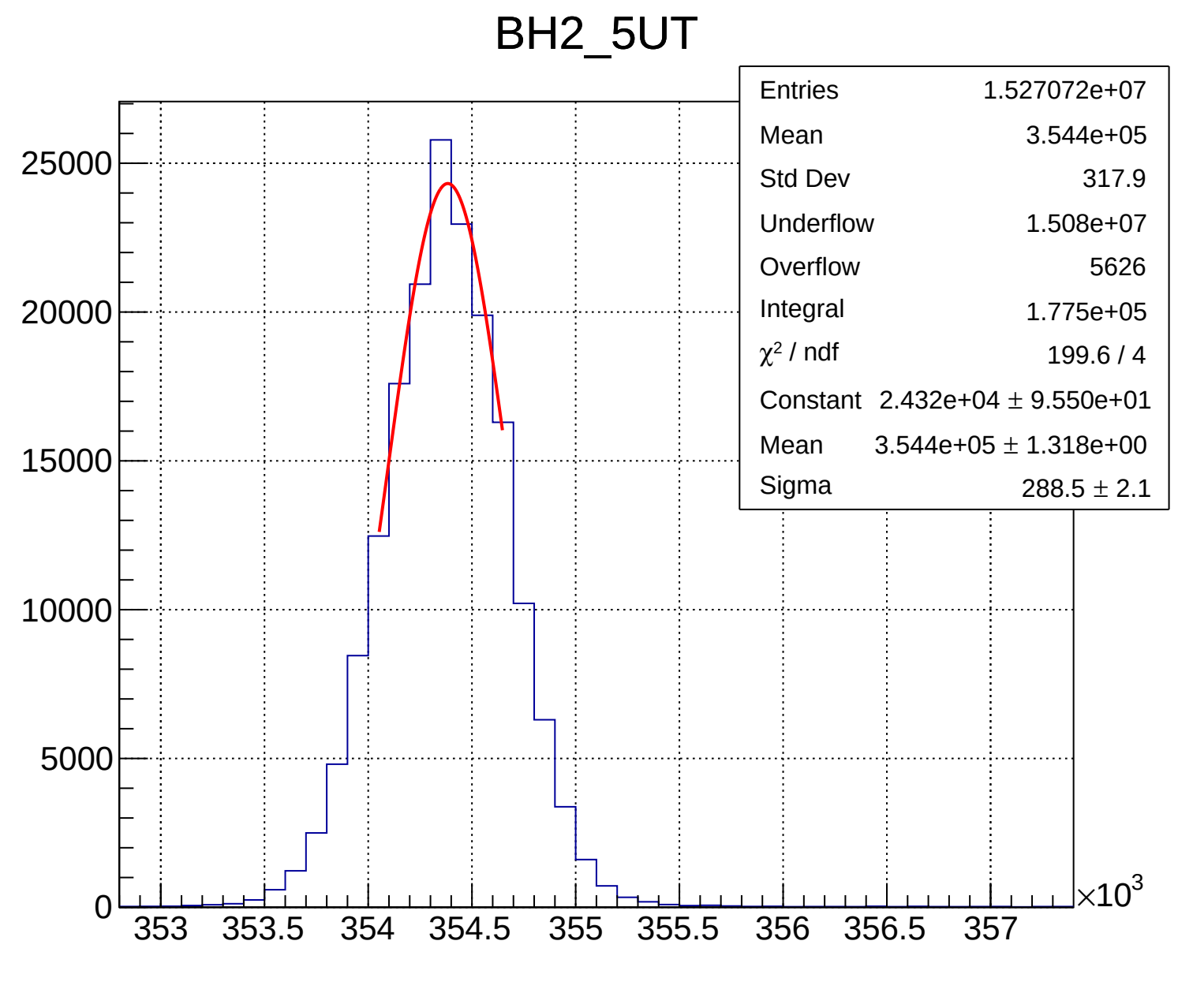

BH1_11DT
Entries 1.527072e+07
Mean 3.87e+05
Std Dev 458.2
Underflow 1.52e+07
Overflow 5154
Integral 5.206e+04
χ² / ndf 10.5 / 4
Constant 5174 ± 40.6
Mean 3.869e+05 ± 7.494e+00
Sigma 431.1 ± 13.4
5000
4000
3000
2000
1000
0
385
386
387
388
389
390
391
×10³

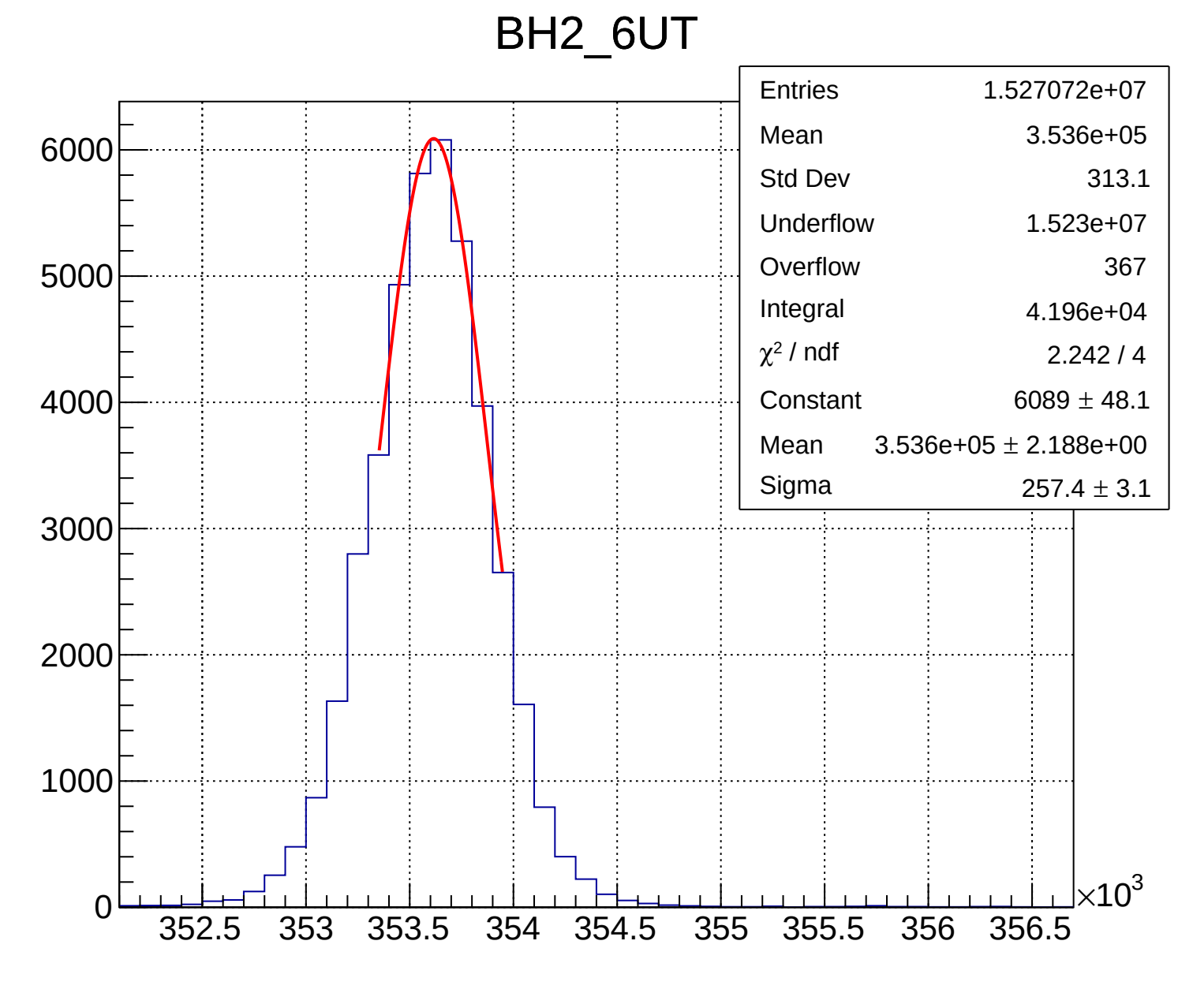

BH2_1UT
Entries 1.527072e+07
Mean 3.522e+05
Std Dev 586.9
Underflow 1.526e+07
Overflow 105
Integral 6525
χ² / ndf 2.089 / 4
Constant 532.5 ± 13.5
Mean 3.521e+05 ± 1.916e+01
Sigma 423.1 ± 39.5
500
400
300
200
100
0
350.5
351
351.5
352
352.5
353
353.5
354
354.5
355
×10³

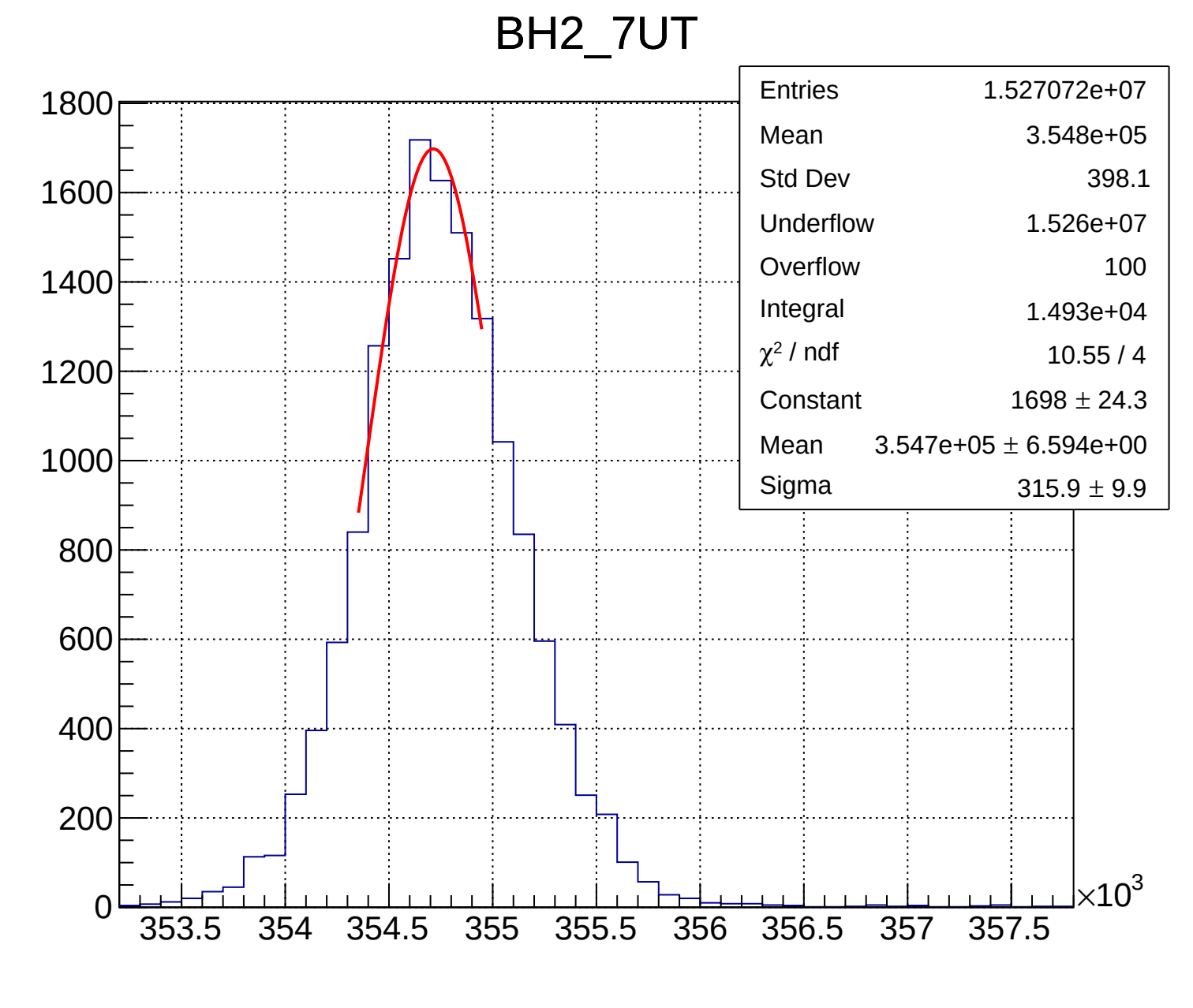

BH2_2UT
Entries 1.527072e+07
Mean 3.536e+05
Std Dev 363.8
Underflow 1.516e+07
Overflow 3236
Integral 1.044e+05
χ² / ndf 20.77 / 4
Constant 1.267e+04 ± 6.747e+01
Mean 3.536e+05 ± 2.178e+00
Sigma 317.6 ± 3.6
12000
10000
8000
6000
4000
2000
0
352
352.5
353
353.5
354
354.5
355
355.5
356
356.5
×10³

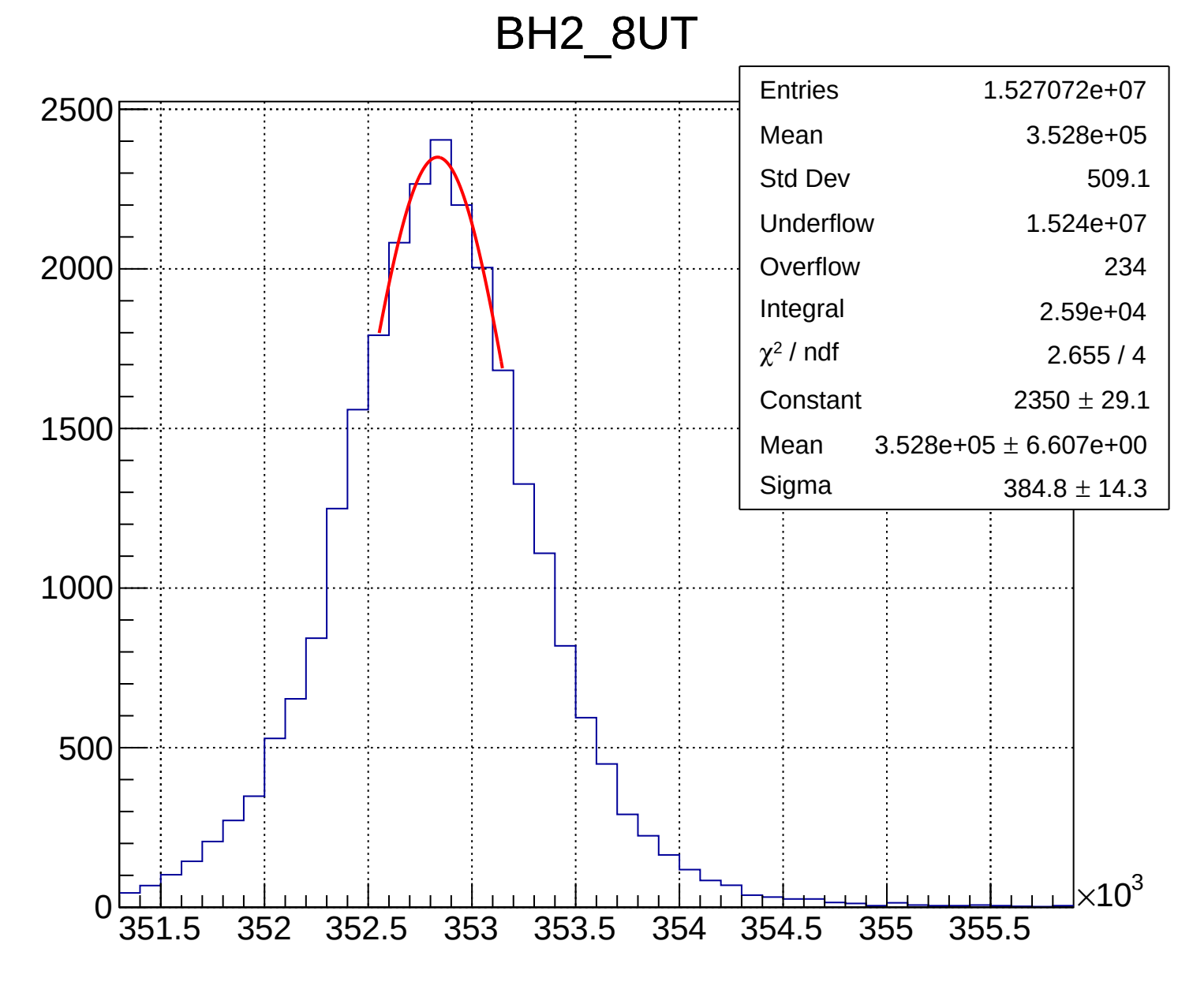

BH2_3UT
Entries 1.527072e+07
Mean 3.532e+05
Std Dev 302.1
Underflow 1.499e+07
Overflow 1.306e+04
Integral 2.577e+05
χ² / ndf 168.1 / 4
Constant 4.028e+04 ± 1.250e+02
Mean 3.532e+05 ± 0.7
Sigma 240.8 ± 1.0
40000
35000
30000
25000
20000
15000
10000
5000
0
352
352.5
353
353.5
354
354.5
355
355.5
356
×10³

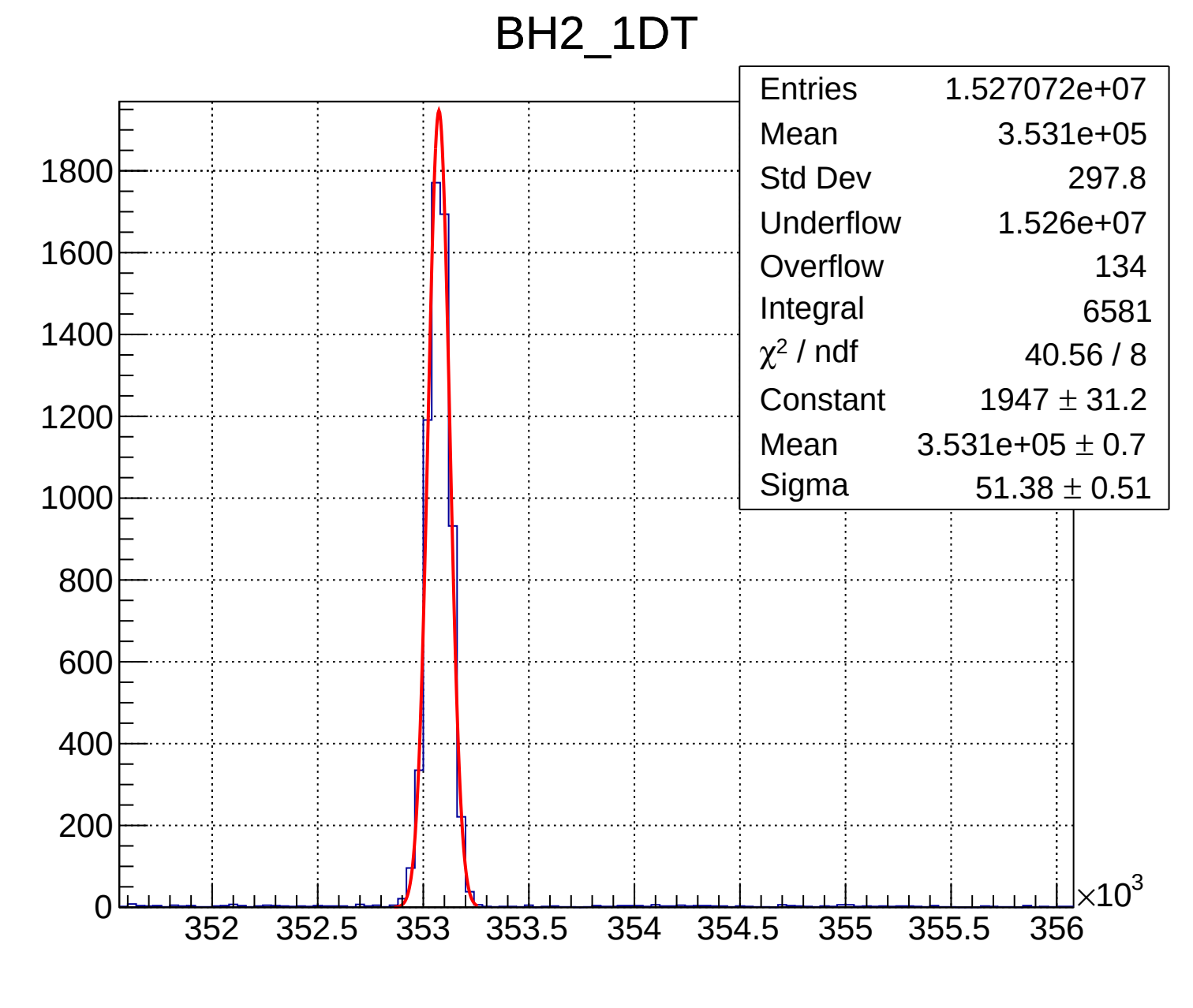

BH2_4UT
Entries 1.527072e+07
Mean 3.538e+05
Std Dev 291.4
Underflow 1.491e+07
Overflow 1.831e+04
Integral 3.238e+05
χ² / ndf 240.2 / 4
Constant 5.388e+04 ± 1.460e+02
Mean 3.538e+05 ± 0.6
Sigma 224.1 ± 0.7
50000
40000
30000
20000
10000
0
352.5
353
353.5
354
354.5
355
355.5
356
356.5
×10³

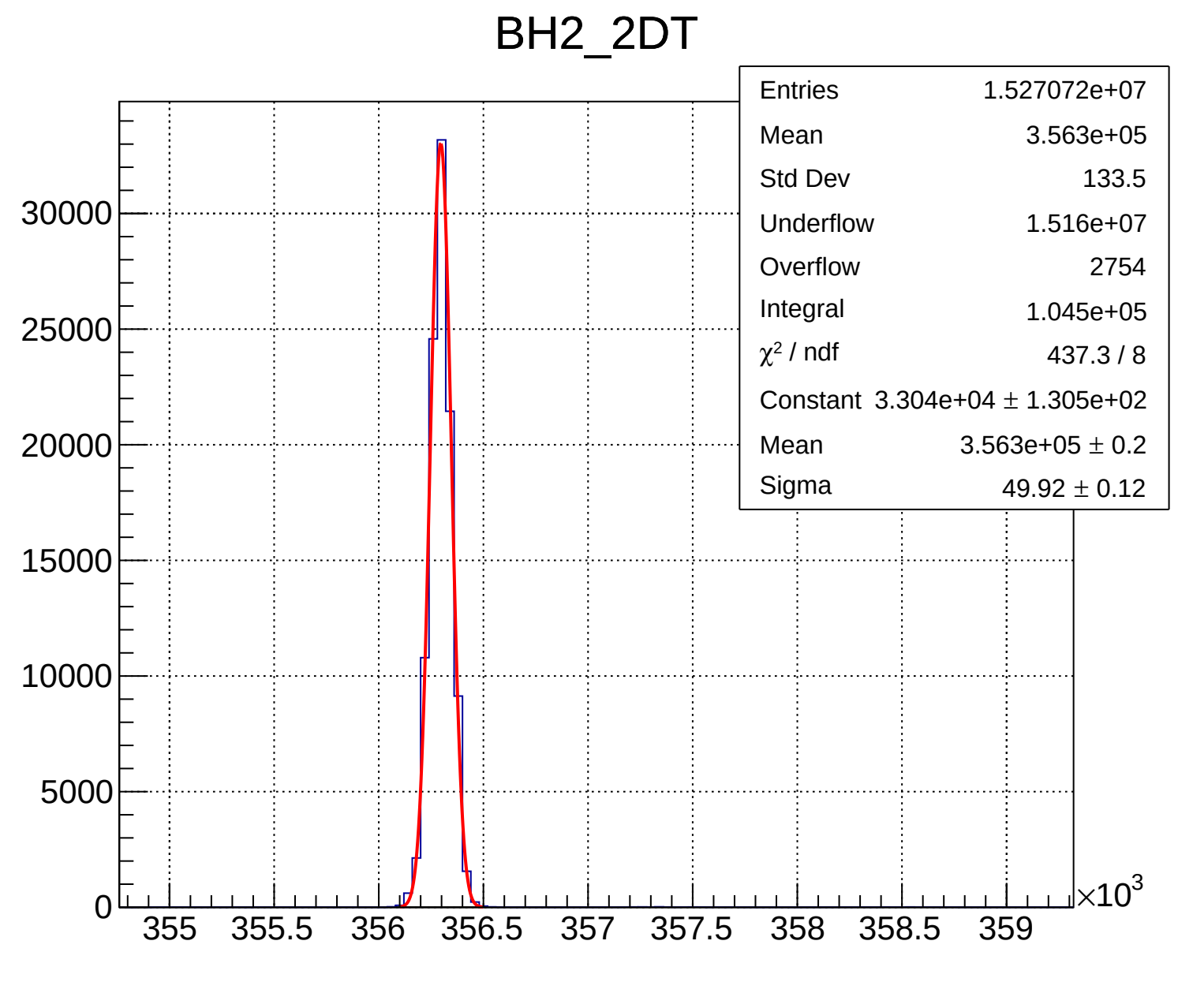

BH2_5UT
Entries 1.527072e+07
Mean 3.544e+05
Std Dev 317.9
Underflow 1.508e+07
Overflow 5626
Integral 1.775e+05
χ² / ndf 199.6 / 4
Constant 2.432e+04 ± 9.550e+01
Mean 3.544e+05 ± 1.318e+00
Sigma 288.5 ± 2.1
25000
20000
15000
10000
5000
0
353
353.5
354
354.5
355
355.5
356
356.5
357
×10³

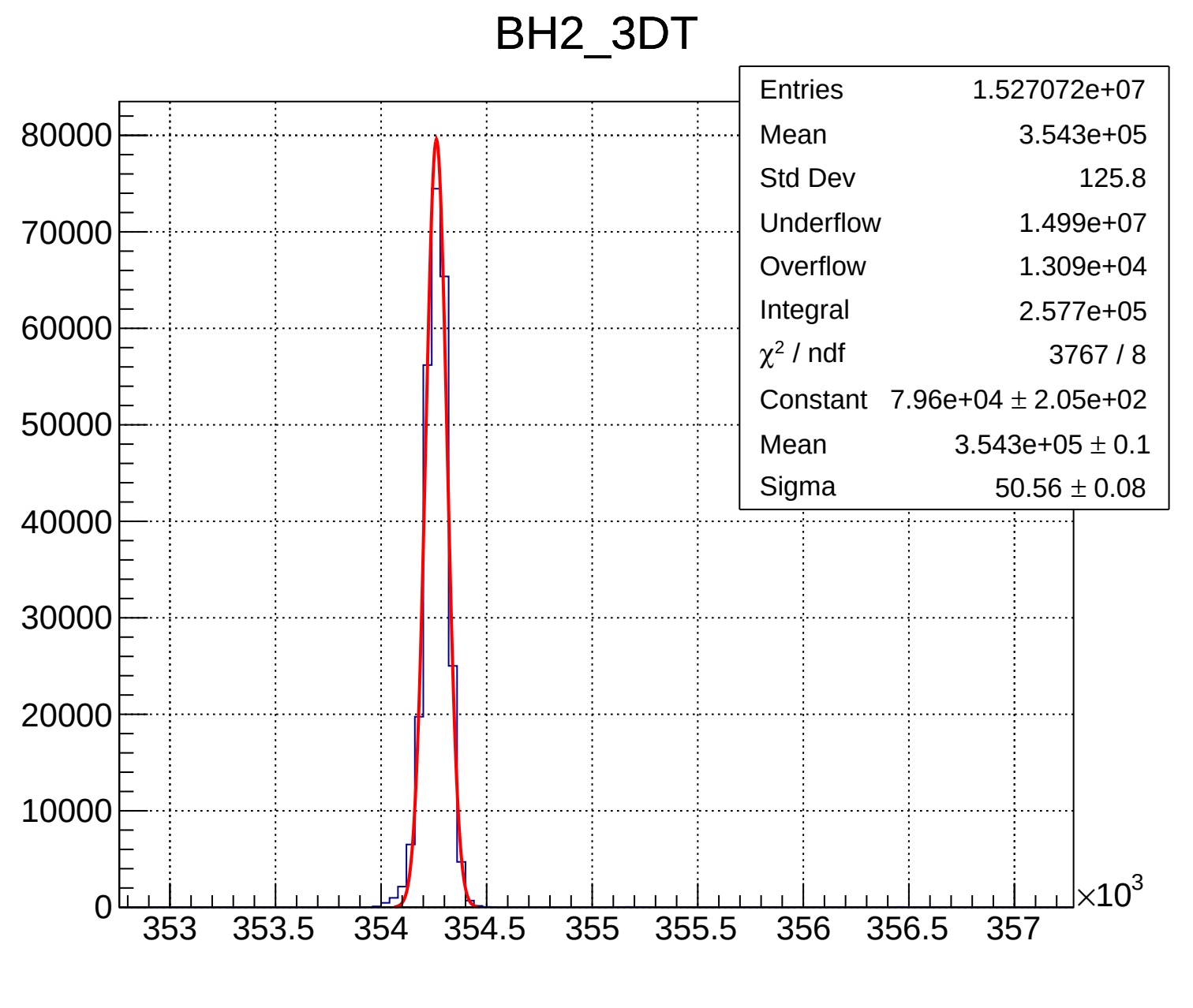

BH2_6UT
Entries 1.527072e+07
Mean 3.536e+05
Std Dev 313.1
Underflow 1.523e+07
Overflow 367
Integral 4.196e+04
χ² / ndf 2.242 / 4
Constant 6089 ± 48.1
Mean 3.536e+05 ± 2.188e+00
Sigma 257.4 ± 3.1
6000
5000
4000
3000
2000
1000
0
352.5
353
353.5
354
354.5
355
355.5
356
356.5
×10³

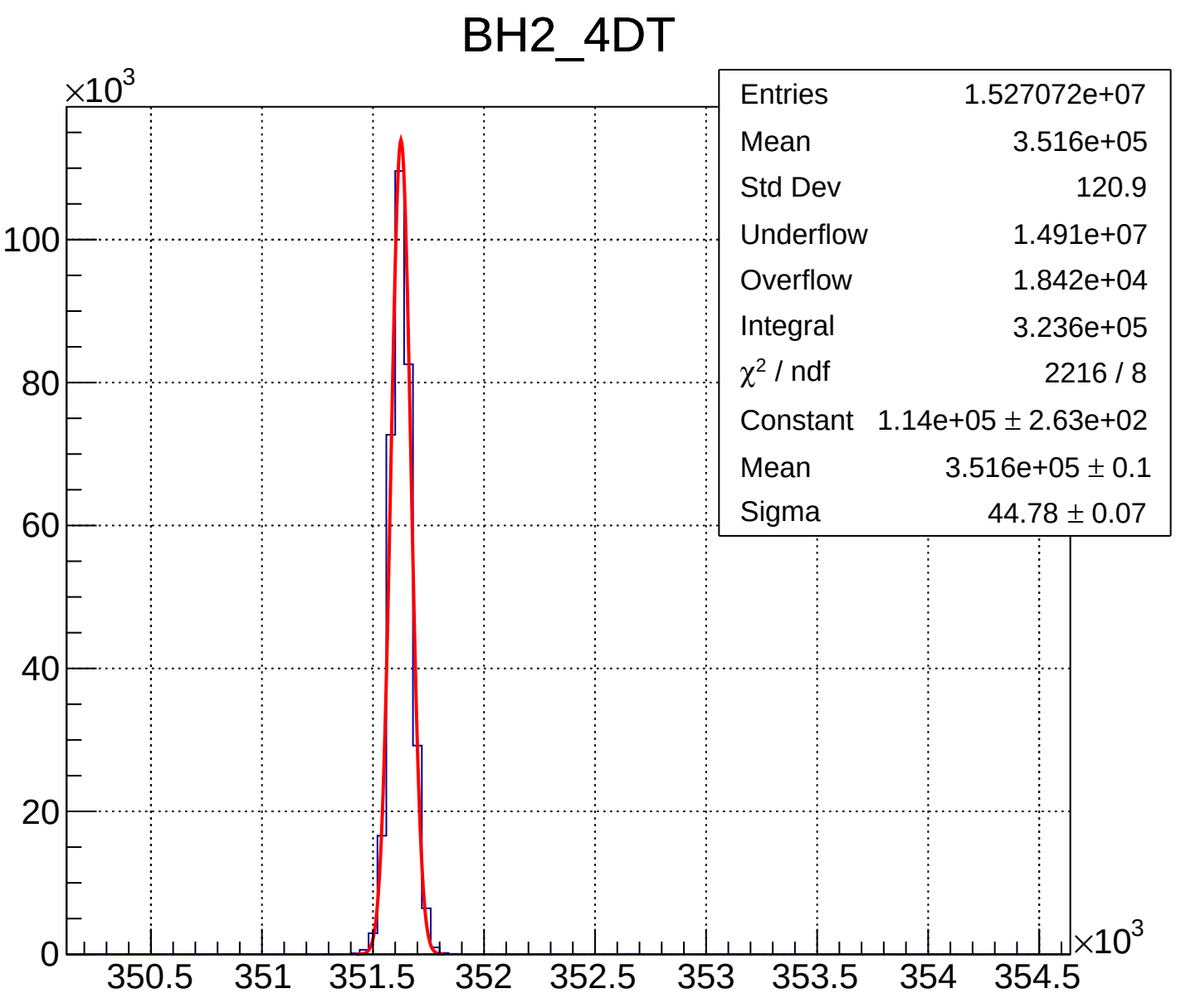

BH2_7UT
Entries 1.527072e+07
Mean 3.548e+05
Std Dev 398.1
Underflow 1.526e+07
Overflow 100
Integral 1.493e+04
χ² / ndf 10.55 / 4
Constant 1698 ± 24.3
Mean 3.547e+05 ± 6.594e+00
Sigma 315.9 ± 9.9
1800
1600
1400
1200
1000
800
600
400
200
0
353.5
354
354.5
355
355.5
356
356.5
357
357.5
×10³

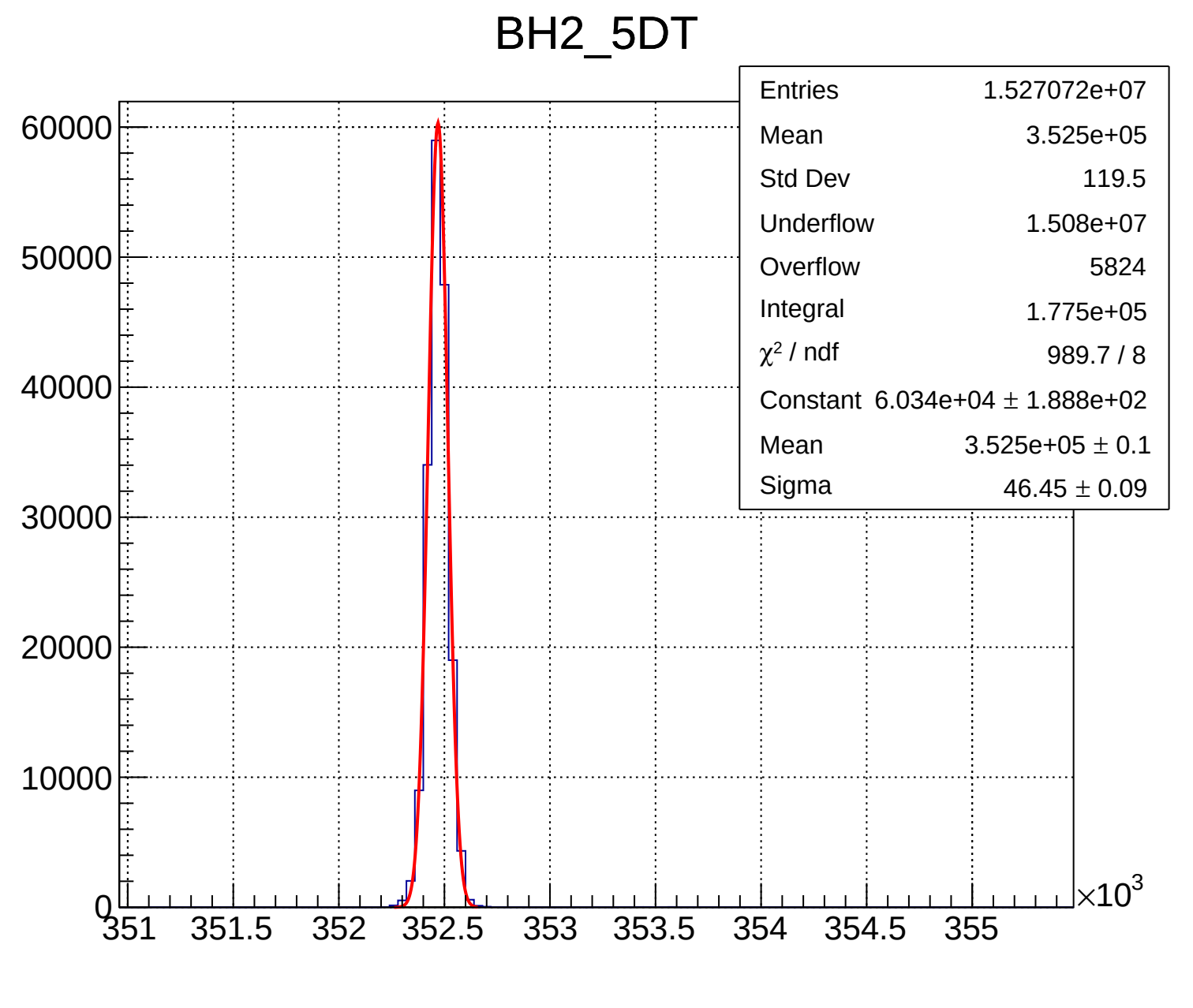

BH2_8UT
Entries 1.527072e+07
Mean 3.528e+05
Std Dev 509.1
Underflow 1.524e+07
Overflow 234
Integral 2.59e+04
χ² / ndf 2.655 / 4
Constant 2350 ± 29.1
Mean 3.528e+05 ± 6.607e+00
Sigma 384.8 ± 14.3
2500
2000
1500
1000
500
0
351.5
352
352.5
353
353.5
354
354.5
355
355.5
×10³

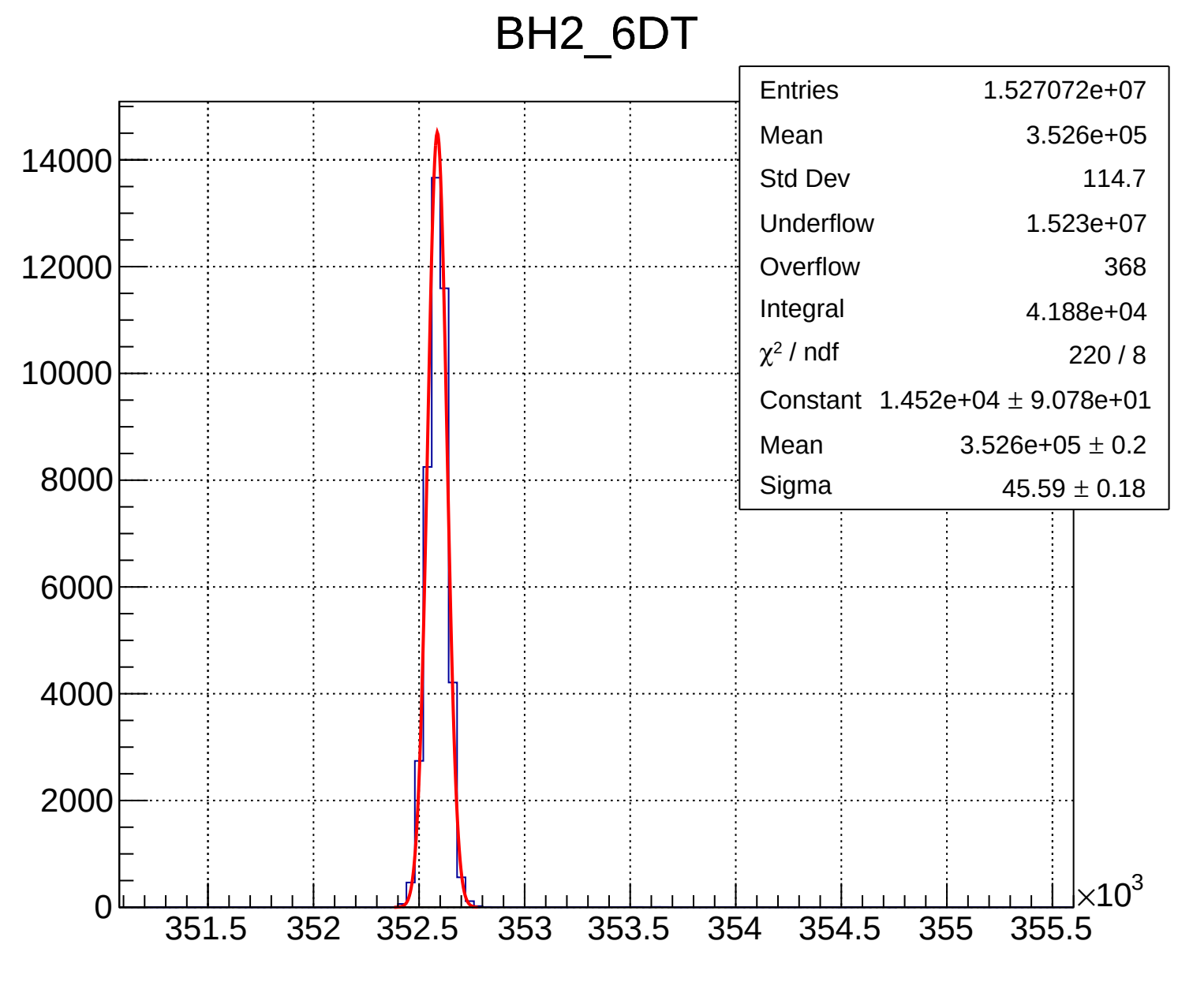

BH2_1DT
Entries 1.527072e+07
Mean 3.531e+05
Std Dev 297.8
Underflow 1.526e+07
Overflow 134
Integral 6581
χ² / ndf 40.56 / 8
Constant 1947 ± 31.2
Mean 3.531e+05 ± 0.7
Sigma 51.38 ± 0.51
1800
1600
1400
1200
1000
800
600
400
200
0
352
352.5
353
353.5
354
354.5
355
355.5
356
×10³

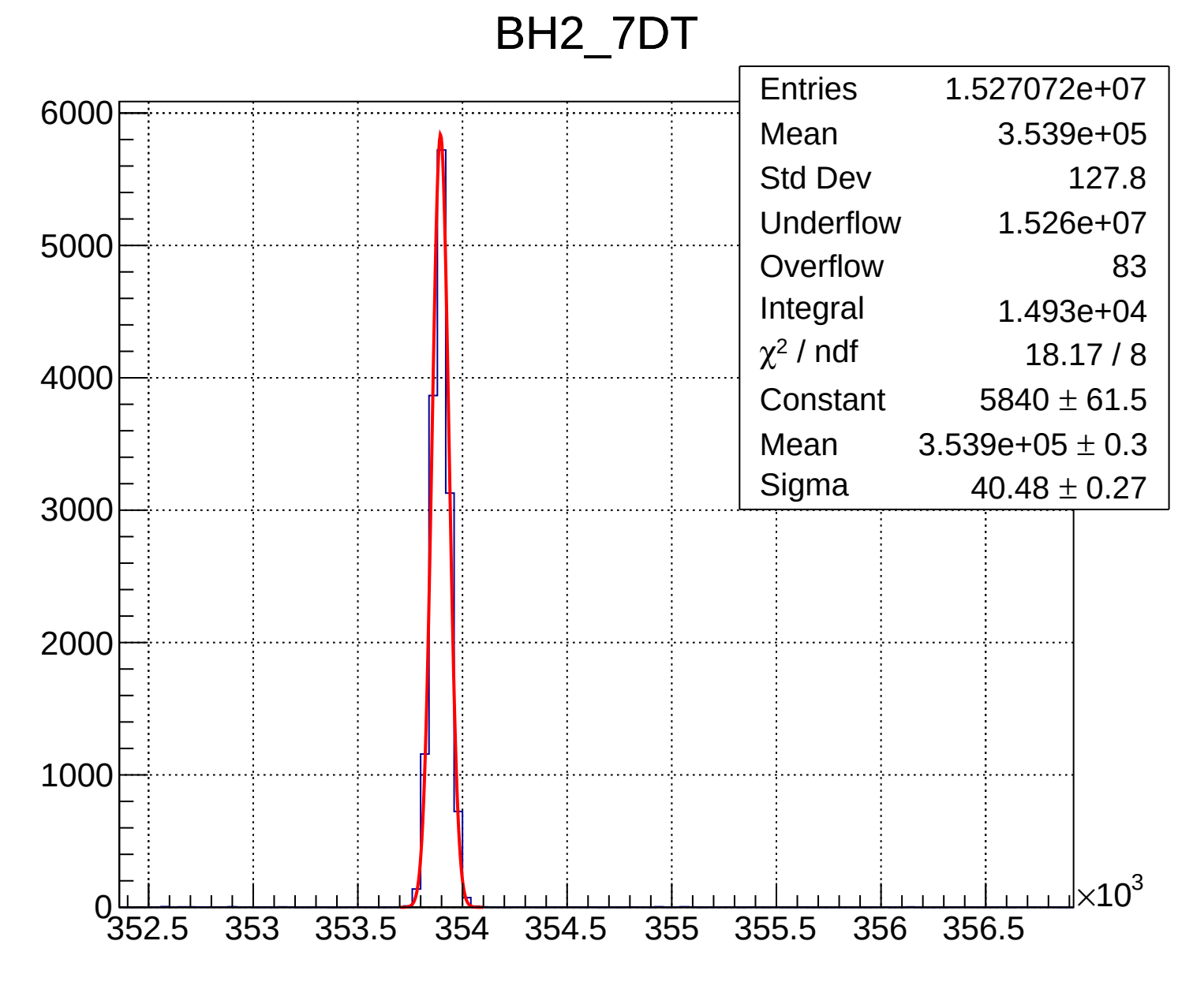

BH2_2DT
Entries 1.527072e+07
Mean 3.563e+05
Std Dev 133.5
Underflow 1.516e+07
Overflow 2754
Integral 1.045e+05
χ² / ndf 437.3 / 8
Constant 3.304e+04 ± 1.305e+02
Mean 3.563e+05 ± 0.2
Sigma 49.92 ± 0.12
30000
25000
20000
15000
10000
5000
0
355
355.5
356
356.5
357
357.5
358
358.5
359
×10³

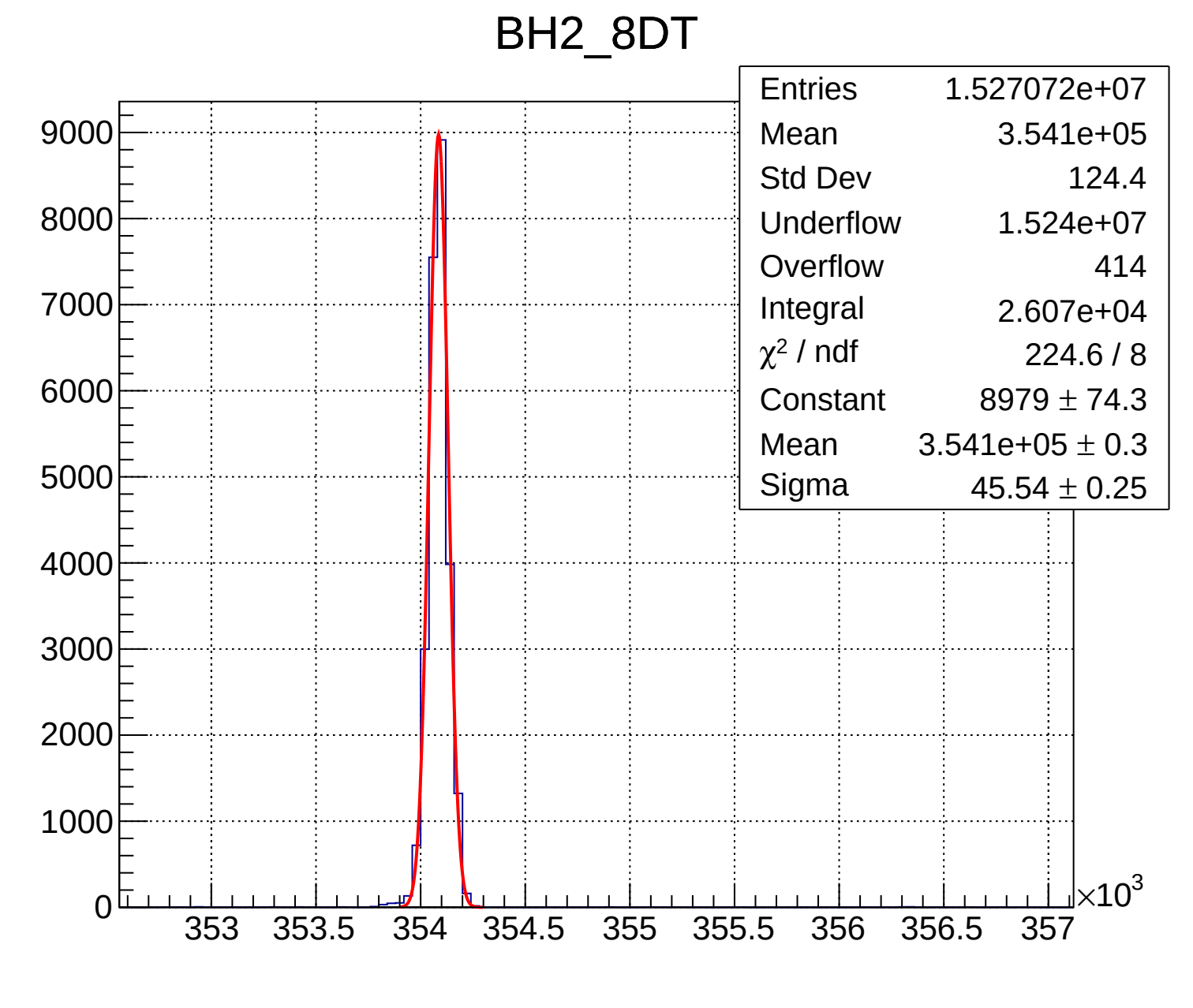

BH2_3DT
Entries 1.527072e+07
Mean 3.543e+05
Std Dev 125.8
Underflow 1.499e+07
Overflow 1.309e+04
Integral 2.577e+05
χ² / ndf 3767 / 8
Constant 7.96e+04 ± 2.05e+02
Mean 3.543e+05 ± 0.1
Sigma 50.56 ± 0.08
80000
70000
60000
50000
40000
30000
20000
10000
0
353
353.5
354
354.5
355
355.5
356
356.5
357
×10³

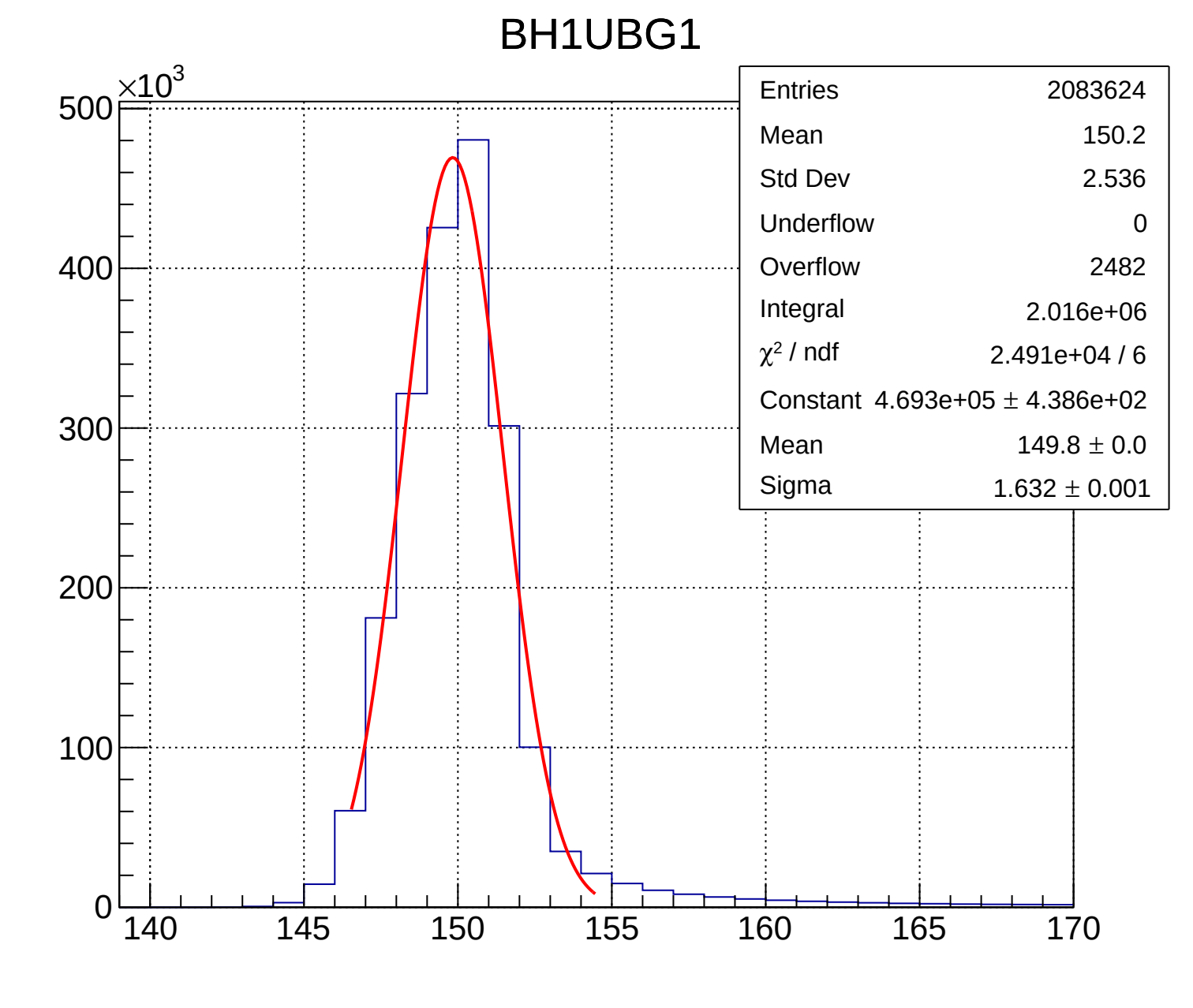

BH2_4DT
×10^3
100
80
60
40
20
0
350.5
351
351.5
352
352.5
353
353.5
354
354.5
×10^3
Entries 1.527072e+07
Mean 3.516e+05
Std Dev 120.9
Underflow 1.491e+07
Overflow 1.842e+04
Integral 3.236e+05
χ² / ndf 2216 / 8
Constant 1.14e+05 ± 2.63e+02
Mean 3.516e+05 ± 0.1
Sigma 44.78 ± 0.07

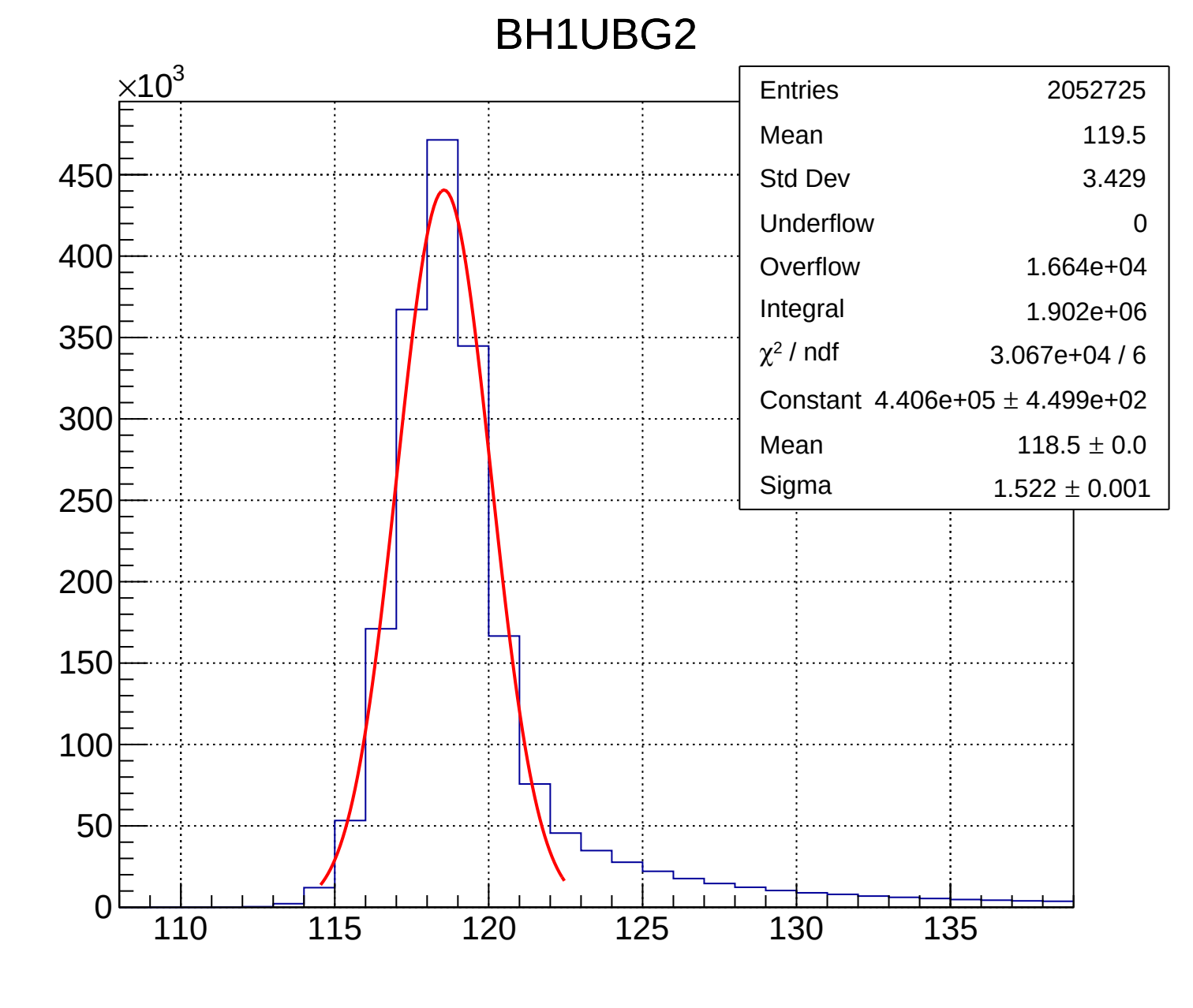

BH2_5DT
Entries 1.527072e+07
Mean 3.525e+05
Std Dev 119.5
Underflow 1.508e+07
Overflow 5824
Integral 1.775e+05
χ² / ndf 989.7 / 8
Constant 6.034e+04 ± 1.888e+02
Mean 3.525e+05 ± 0.1
Sigma 46.45 ± 0.09
60000
50000
40000
30000
20000
10000
0
351
351.5
352
352.5
353
353.5
354
354.5
355
×10³

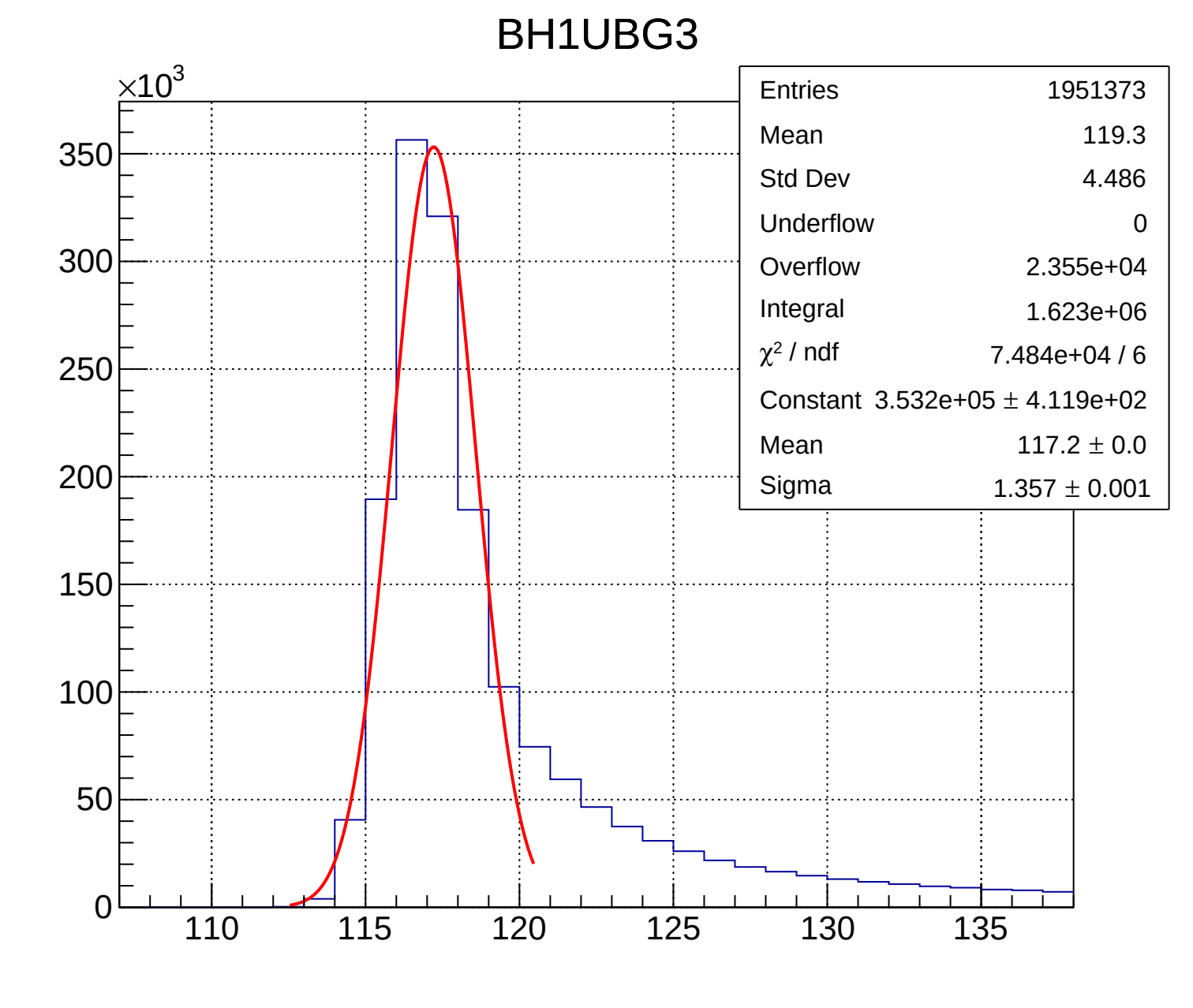

BH2_6DT
Entries 1.527072e+07
Mean 3.526e+05
Std Dev 114.7
Underflow 1.523e+07
Overflow 368
Integral 4.188e+04
χ² / ndf 220 / 8
Constant 1.452e+04 ± 9.078e+01
Mean 3.526e+05 ± 0.2
Sigma 45.59 ± 0.18
14000
12000
10000
8000
6000
4000
2000
0
351.5
352
352.5
353
353.5
354
354.5
355
355.5
×10³

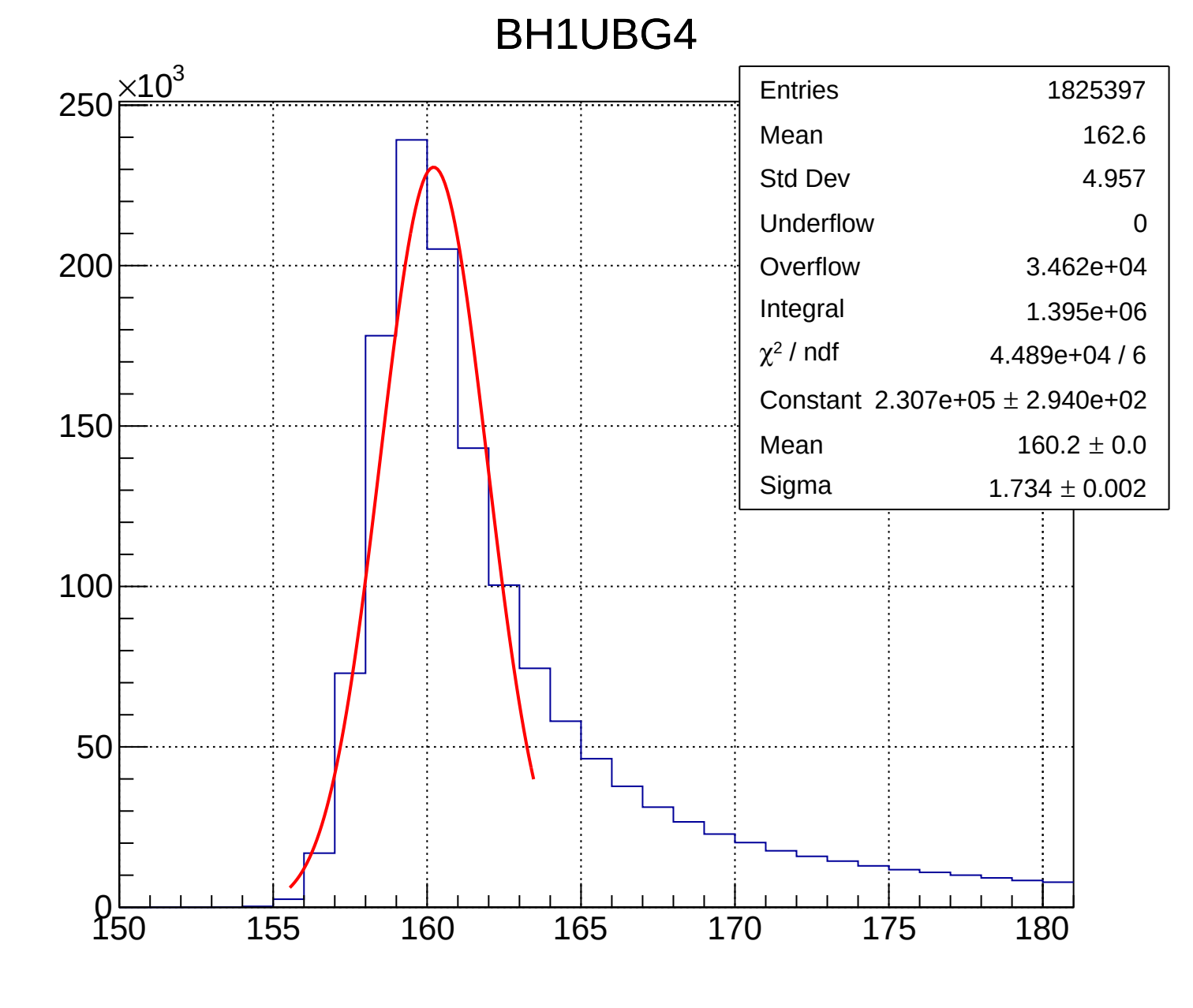

BH2_7DT
Entries 1.527072e+07
Mean 3.539e+05
Std Dev 127.8
Underflow 1.526e+07
Overflow 83
Integral 1.493e+04
χ² / ndf 18.17 / 8
Constant 5840 ± 61.5
Mean 3.539e+05 ± 0.3
Sigma 40.48 ± 0.27
6000
5000
4000
3000
2000
1000
0
352.5
353
353.5
354
354.5
355
355.5
356
356.5
×10³

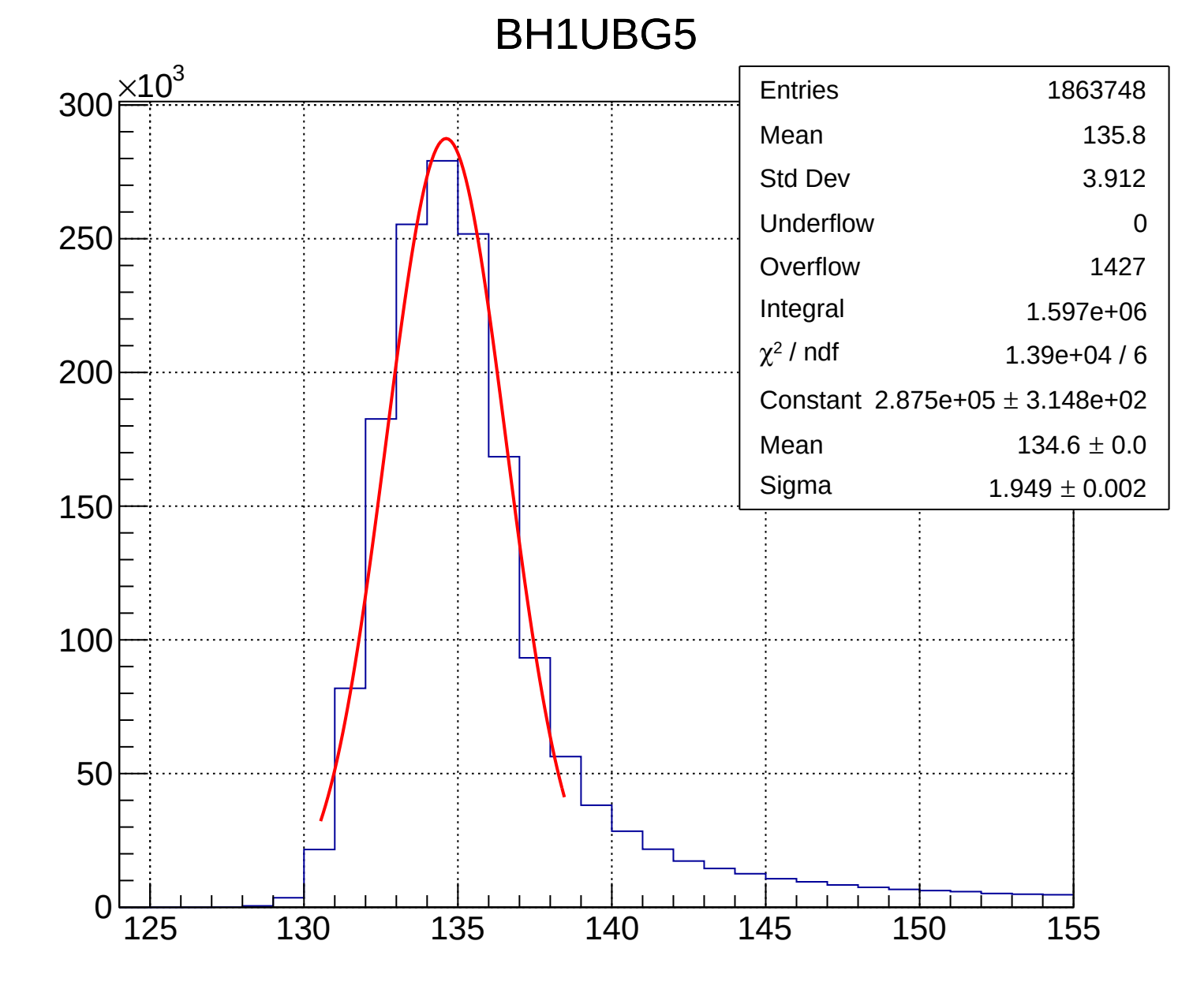

BH2_8DT
Entries 1.527072e+07
Mean 3.541e+05
Std Dev 124.4
Underflow 1.524e+07
Overflow 414
Integral 2.607e+04
χ² / ndf 224.6 / 8
Constant 8979 ± 74.3
Mean 3.541e+05 ± 0.3
Sigma 45.54 ± 0.25
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
353
353.5
354
354.5
355
355.5
356
356.5
357
×10³

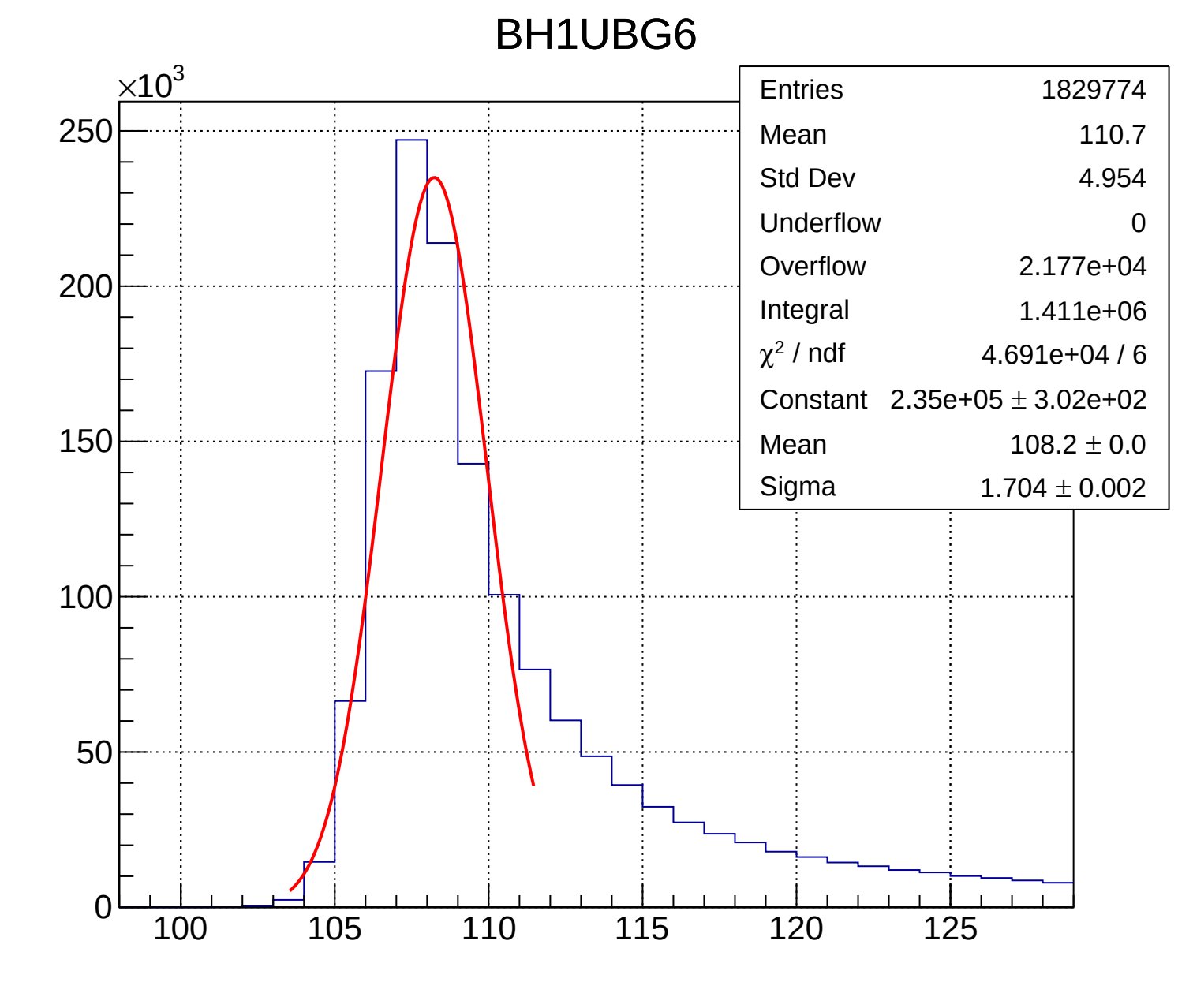

BH1UBG1
×10^3
500
400
300
200
100
0
140
145
150
155
160
165
170
Entries 2083624
Mean 150.2
Std Dev 2.536
Underflow 0
Overflow 2482
Integral 2.016e+06
χ² / ndf 2.491e+04 / 6
Constant 4.693e+05 ± 4.386e+02
Mean 149.8 ± 0.0
Sigma 1.632 ± 0.001

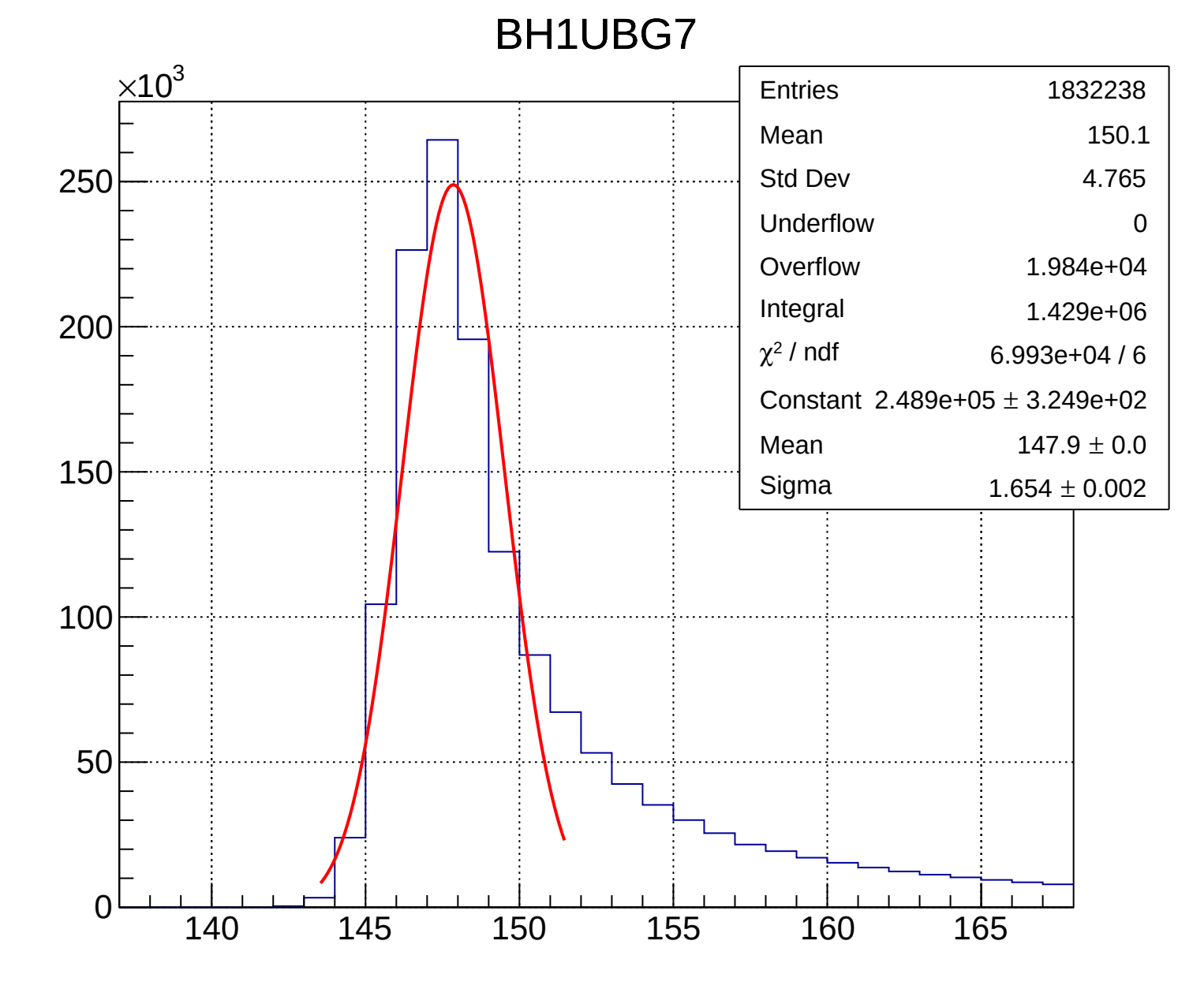

BH1UBG2
×10^3
450
400
350
300
250
200
150
100
50
0
110
115
120
125
130
135
Entries 2052725
Mean 119.5
Std Dev 3.429
Underflow 0
Overflow 1.664e+04
Integral 1.902e+06
χ² / ndf 3.067e+04 / 6
Constant 4.406e+05 ± 4.499e+02
Mean 118.5 ± 0.0
Sigma 1.522 ± 0.001

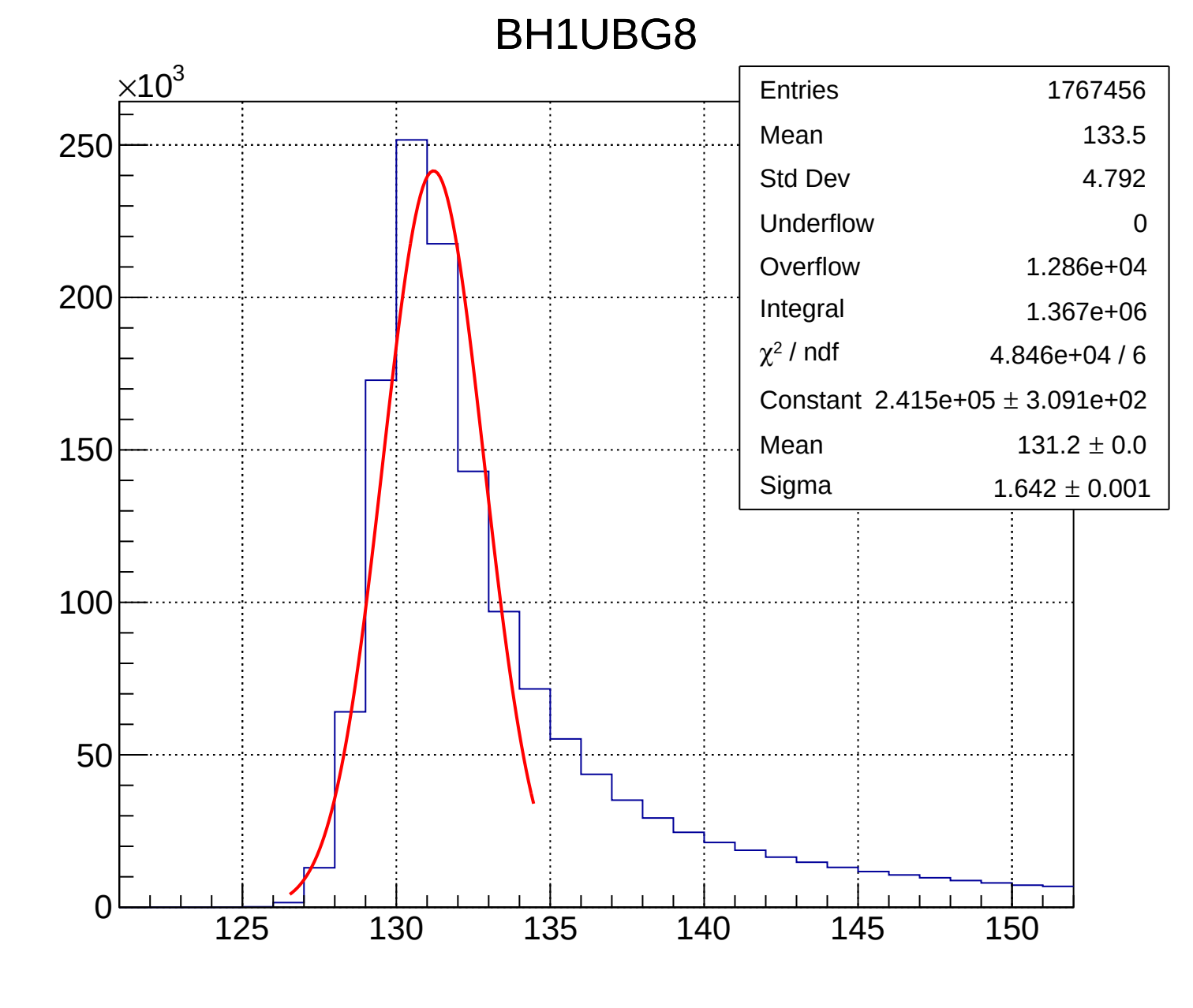

BH1UBG3
×10^3
350
300
250
200
150
100
50
0
110
115
120
125
130
135
Entries 1951373
Mean 119.3
Std Dev 4.486
Underflow 0
Overflow 2.355e+04
Integral 1.623e+06
χ² / ndf 7.484e+04 / 6
Constant 3.532e+05 ± 4.119e+02
Mean 117.2 ± 0.0
Sigma 1.357 ± 0.001

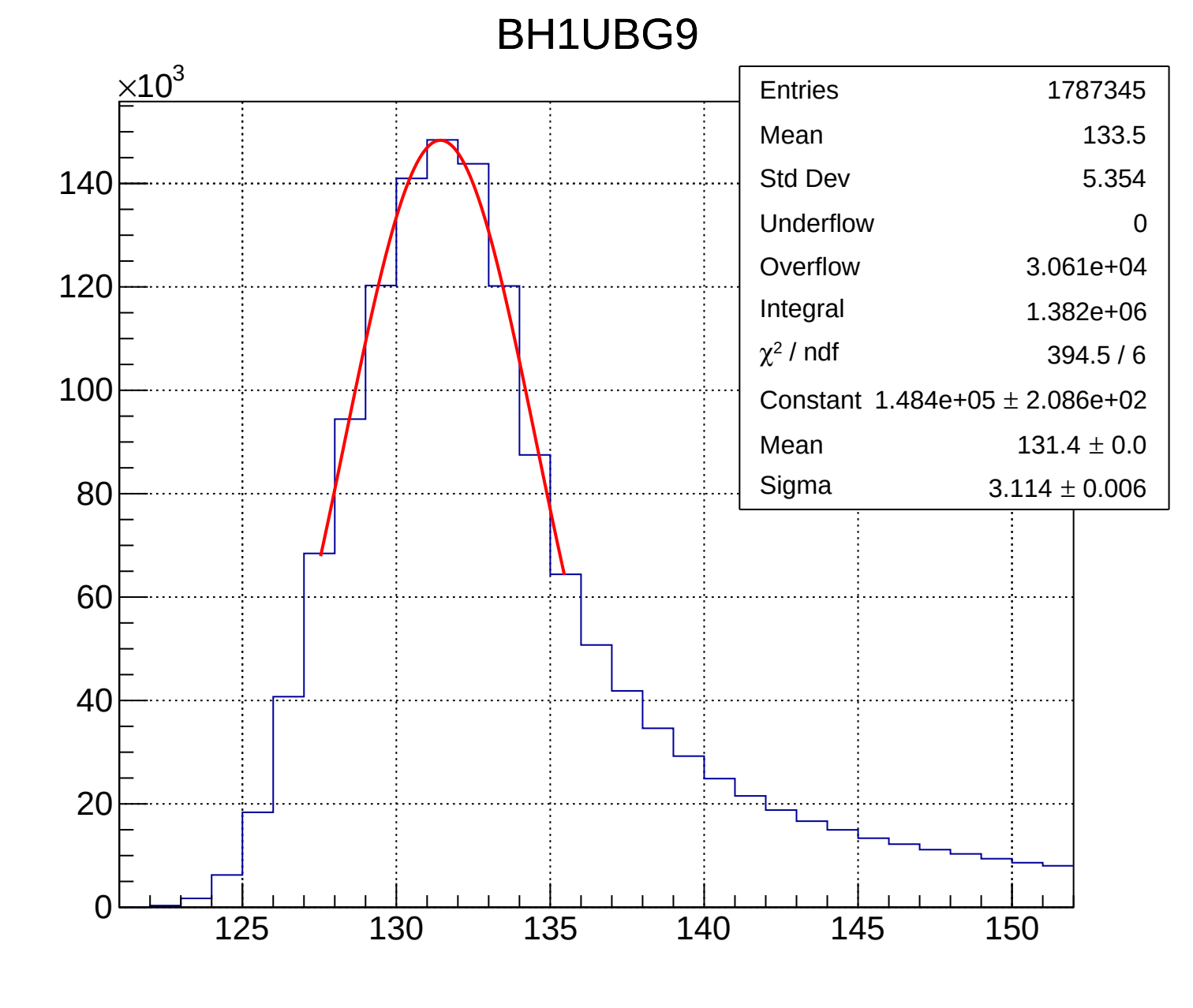

BH1UBG4
×10^3
250
200
150
100
50
0
150
155
160
165
170
175
180
Entries 1825397
Mean 162.6
Std Dev 4.957
Underflow 0
Overflow 3.462e+04
Integral 1.395e+06
χ² / ndf 4.489e+04 / 6
Constant 2.307e+05 ± 2.940e+02
Mean 160.2 ± 0.0
Sigma 1.734 ± 0.002

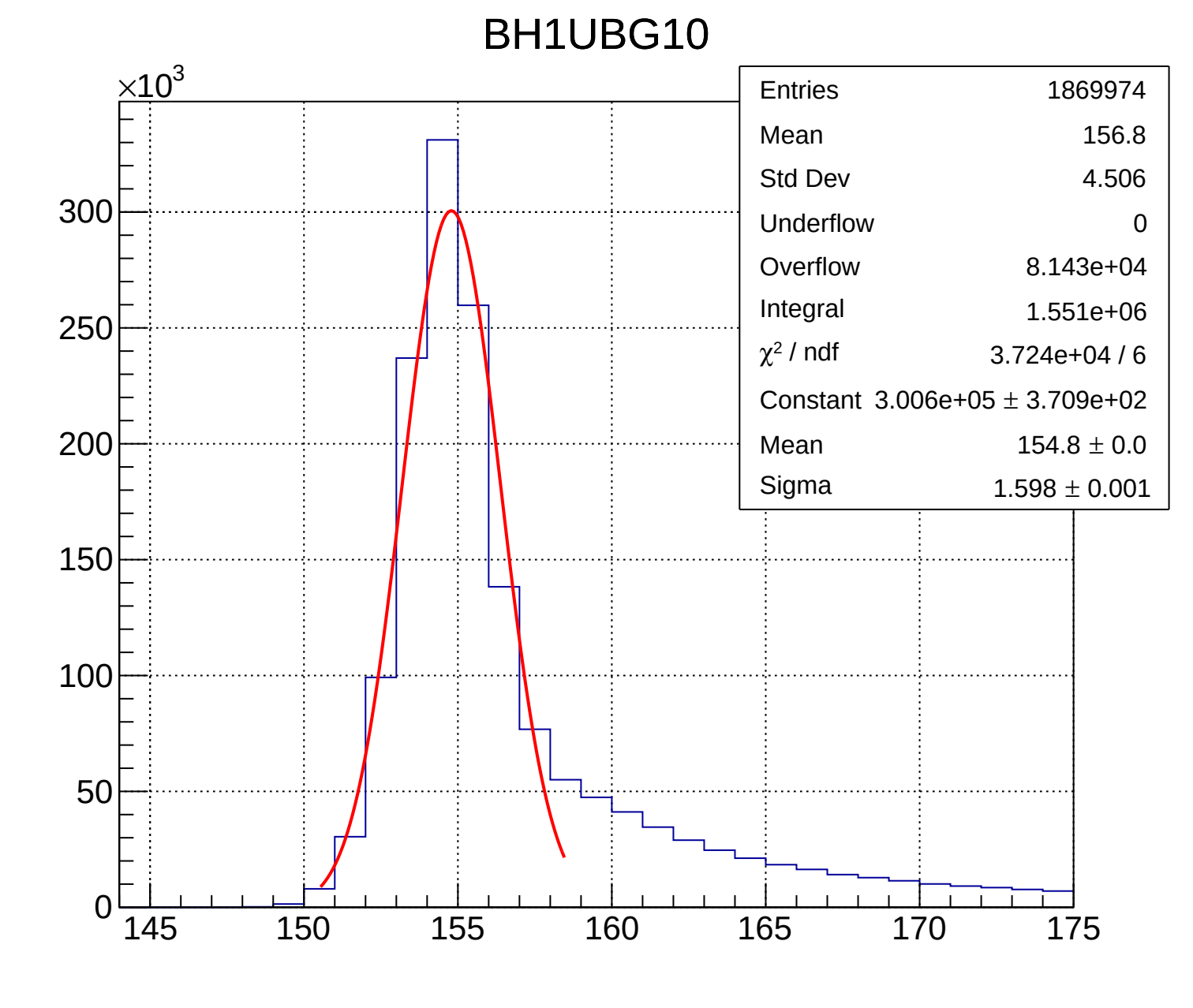

BH1UBG5
×10^3
300
250
200
150
100
50
0
125
130
135
140
145
150
155
Entries 1863748
Mean 135.8
Std Dev 3.912
Underflow 0
Overflow 1427
Integral 1.597e+06
χ² / ndf 1.39e+04 / 6
Constant 2.875e+05 ± 3.148e+02
Mean 134.6 ± 0.0
Sigma 1.949 ± 0.002

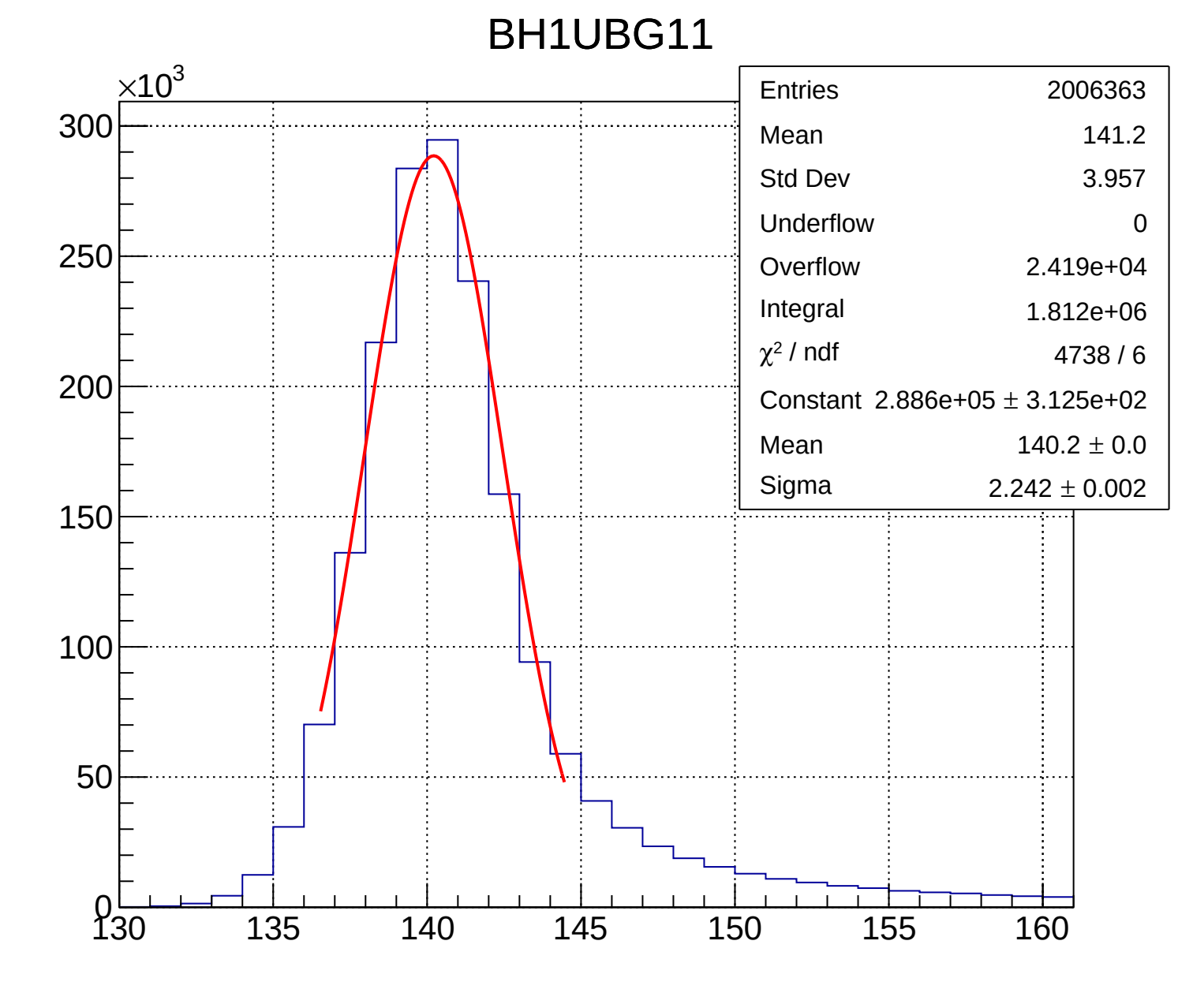

BH1UBG6
×10^3
250
200
150
100
50
0
100
105
110
115
120
125
Entries 1829774
Mean 110.7
Std Dev 4.954
Underflow 0
Overflow 2.177e+04
Integral 1.411e+06
χ² / ndf 4.691e+04 / 6
Constant 2.35e+05 ± 3.02e+02
Mean 108.2 ± 0.0
Sigma 1.704 ± 0.002

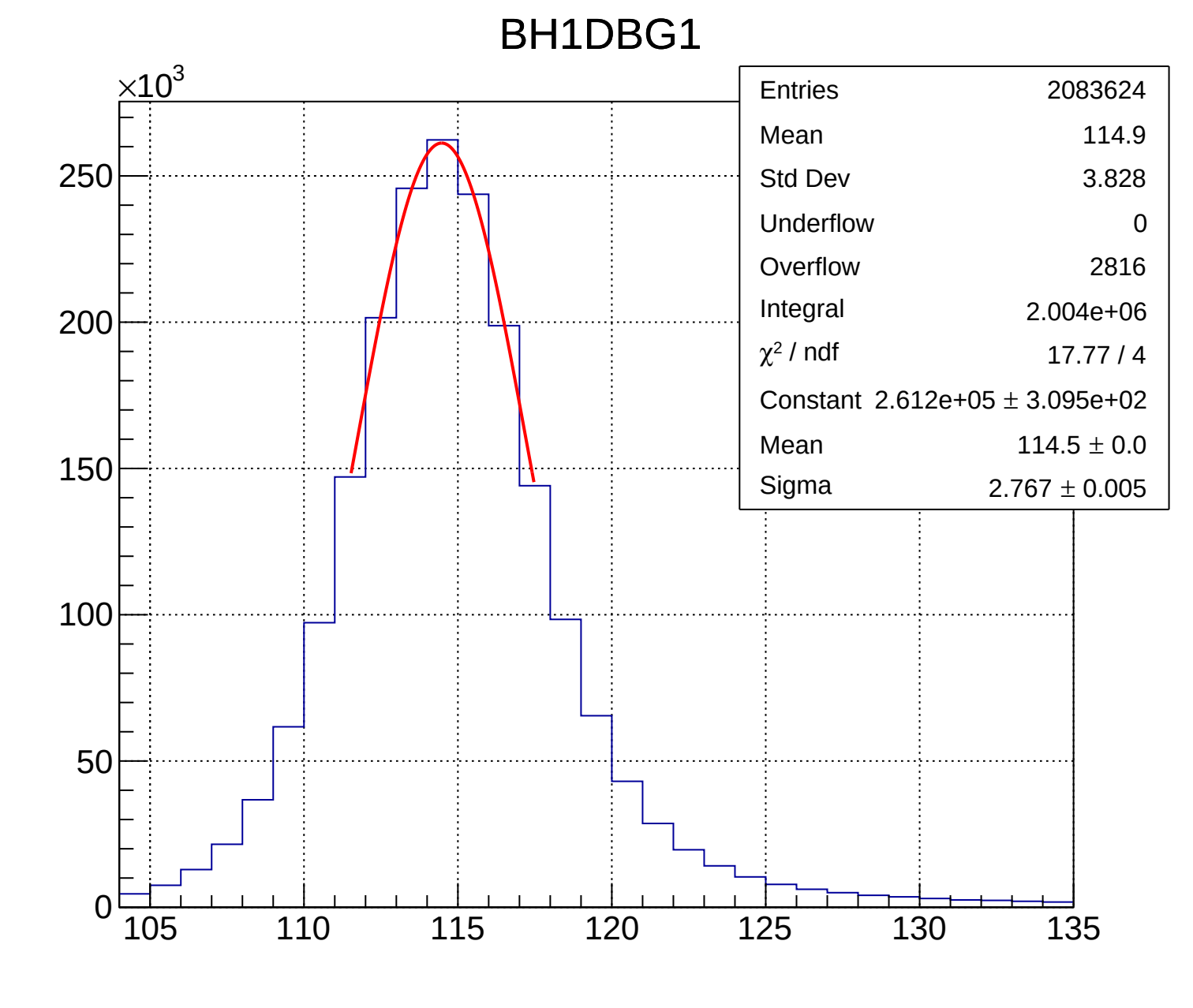

BH1UBG7
×10^3
250
200
150
100
50
0
140
145
150
155
160
165
Entries 1832238
Mean 150.1
Std Dev 4.765
Underflow 0
Overflow 1.984e+04
Integral 1.429e+06
χ² / ndf 6.993e+04 / 6
Constant 2.489e+05 ± 3.249e+02
Mean 147.9 ± 0.0
Sigma 1.654 ± 0.002

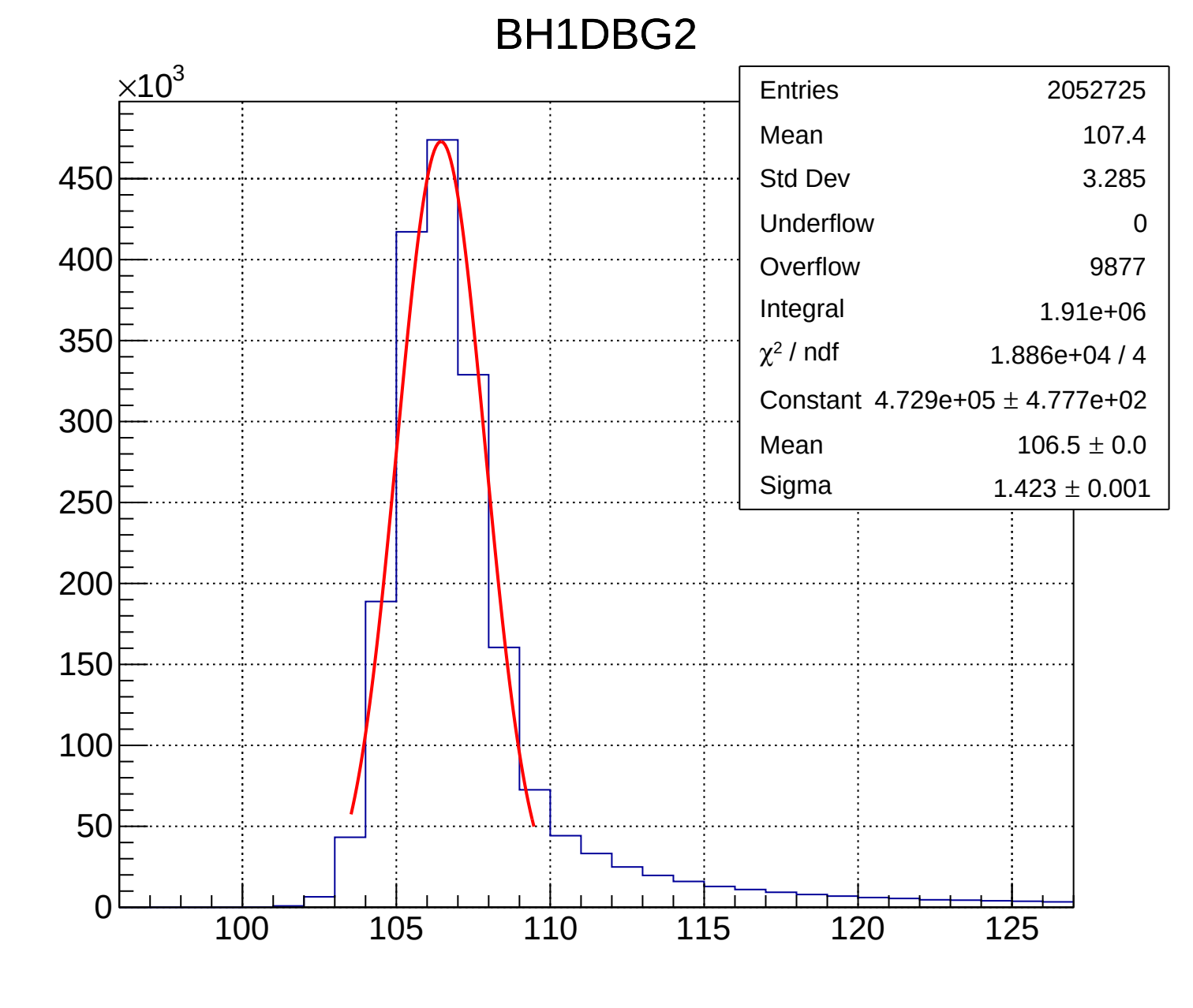

BH1UBG8
×10^3
250
200
150
100
50
0
125
130
135
140
145
150
Entries 1767456
Mean 133.5
Std Dev 4.792
Underflow 0
Overflow 1.286e+04
Integral 1.367e+06
χ² / ndf 4.846e+04 / 6
Constant 2.415e+05 ± 3.091e+02
Mean 131.2 ± 0.0
Sigma 1.642 ± 0.001

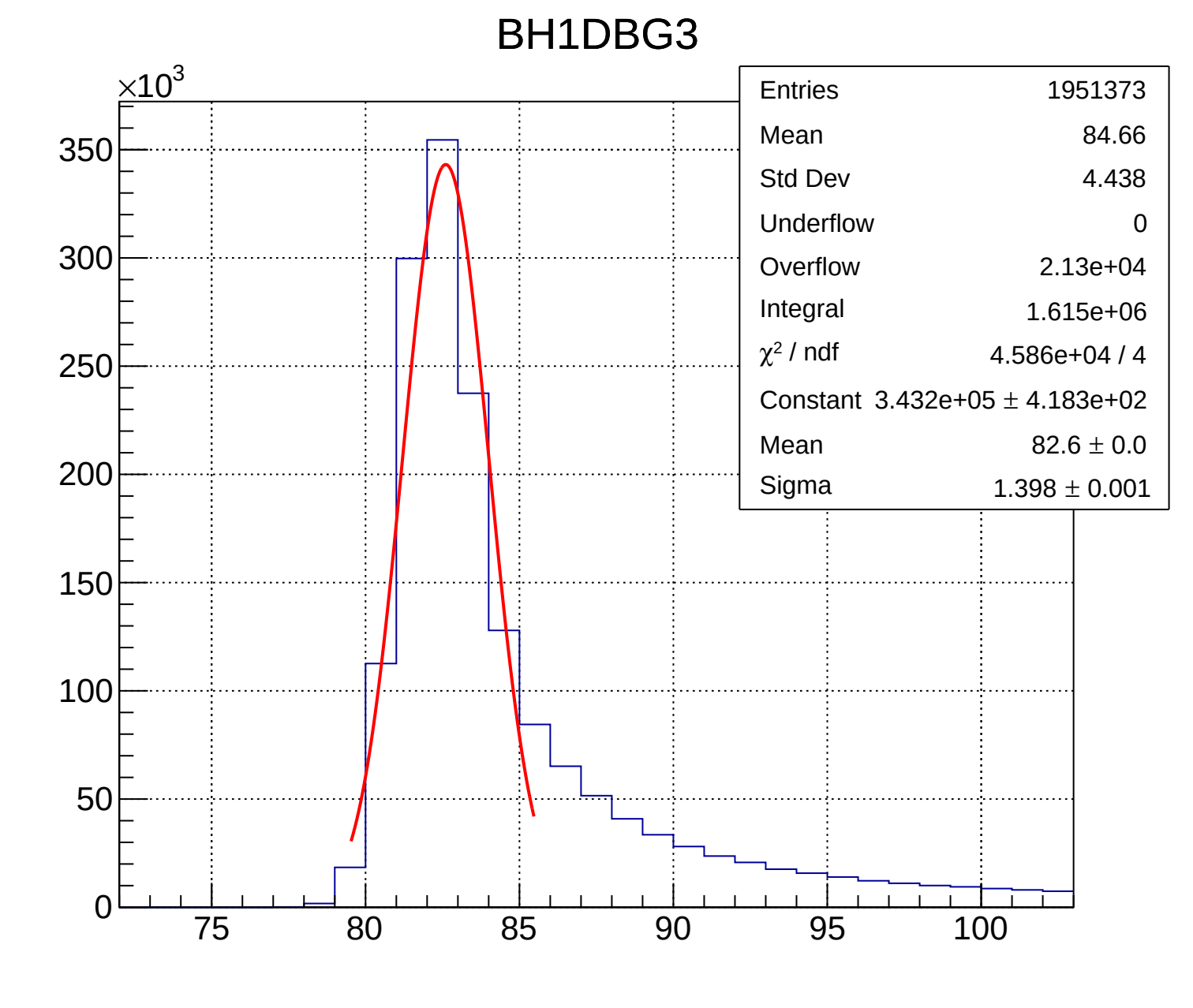

BH1UBG9
×10^3
140
120
100
80
60
40
20
0
125
130
135
140
145
150
Entries 1787345
Mean 133.5
Std Dev 5.354
Underflow 0
Overflow 3.061e+04
Integral 1.382e+06
χ² / ndf 394.5 / 6
Constant 1.484e+05 ± 2.086e+02
Mean 131.4 ± 0.0
Sigma 3.114 ± 0.006

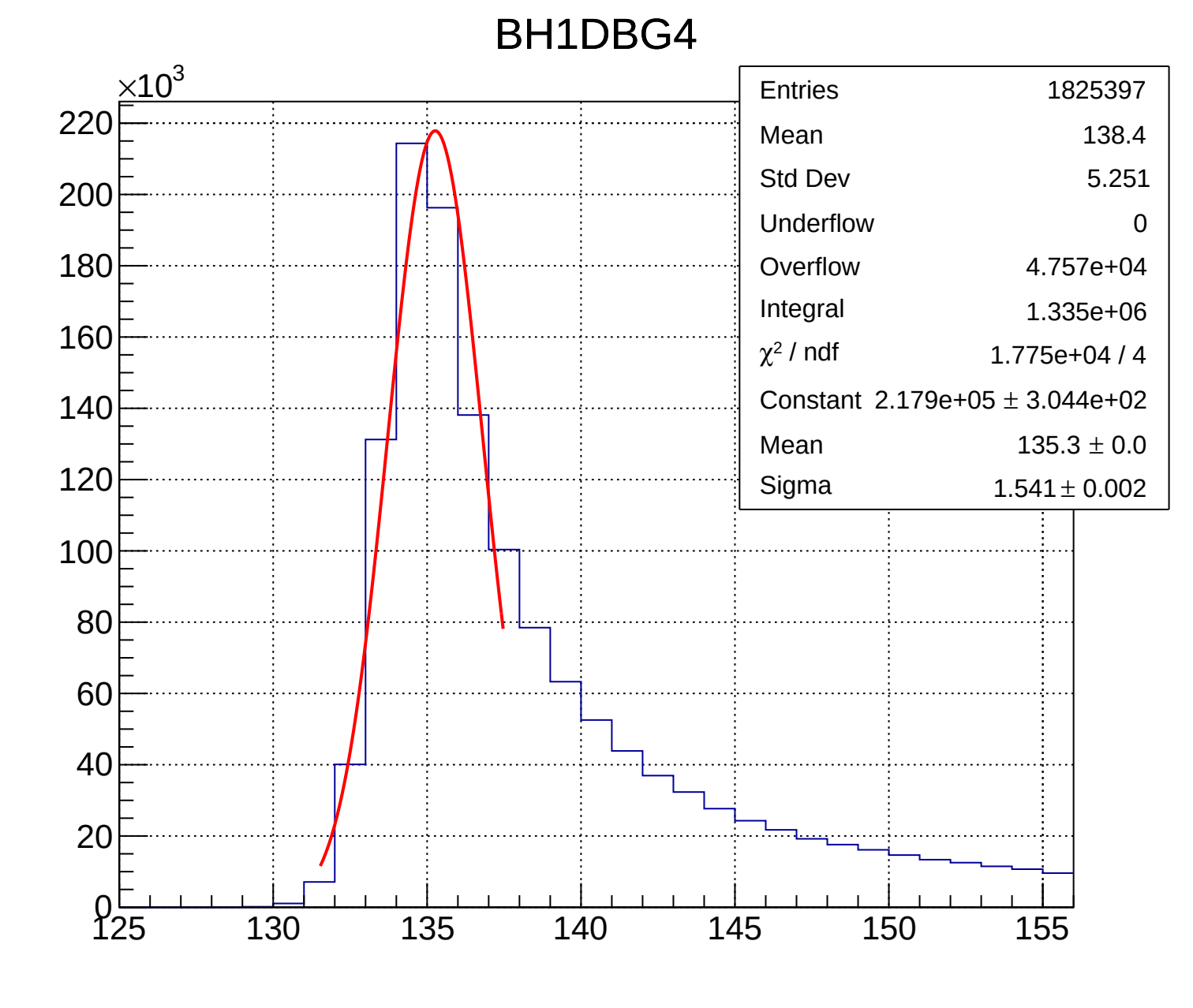

BH1UBG10
×10^3
300
250
200
150
100
50
0
145
150
155
160
165
170
175
Entries 1869974
Mean 156.8
Std Dev 4.506
Underflow 0
Overflow 8.143e+04
Integral 1.551e+06
χ² / ndf 3.724e+04 / 6
Constant 3.006e+05 ± 3.709e+02
Mean 154.8 ± 0.0
Sigma 1.598 ± 0.001

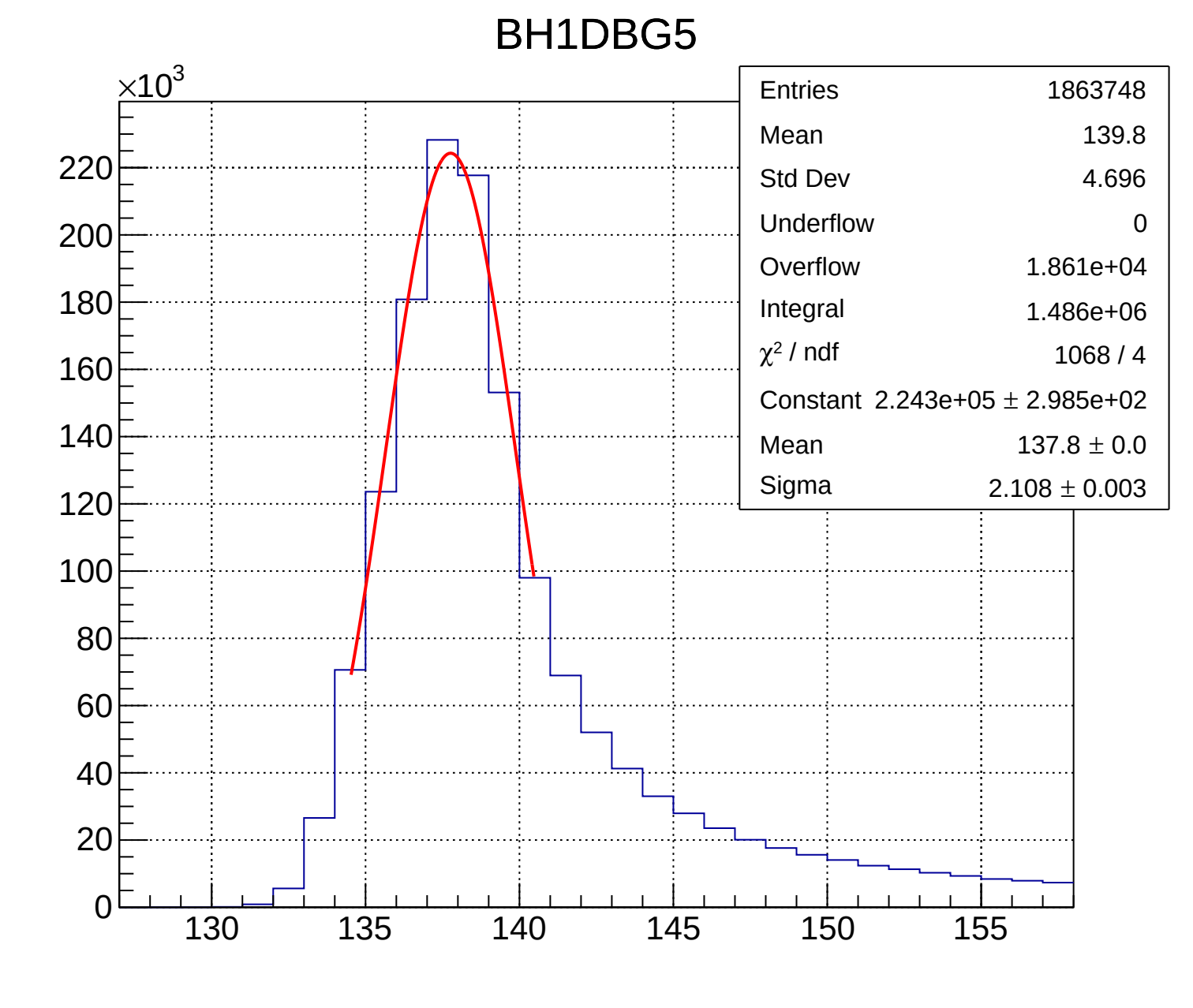

BH1UBG11
×10^3
300
250
200
150
100
50
0
130
135
140
145
150
155
160
Entries 2006363
Mean 141.2
Std Dev 3.957
Underflow 0
Overflow 2.419e+04
Integral 1.812e+06
χ² / ndf 4738 / 6
Constant 2.886e+05 ± 3.125e+02
Mean 140.2 ± 0.0
Sigma 2.242 ± 0.002

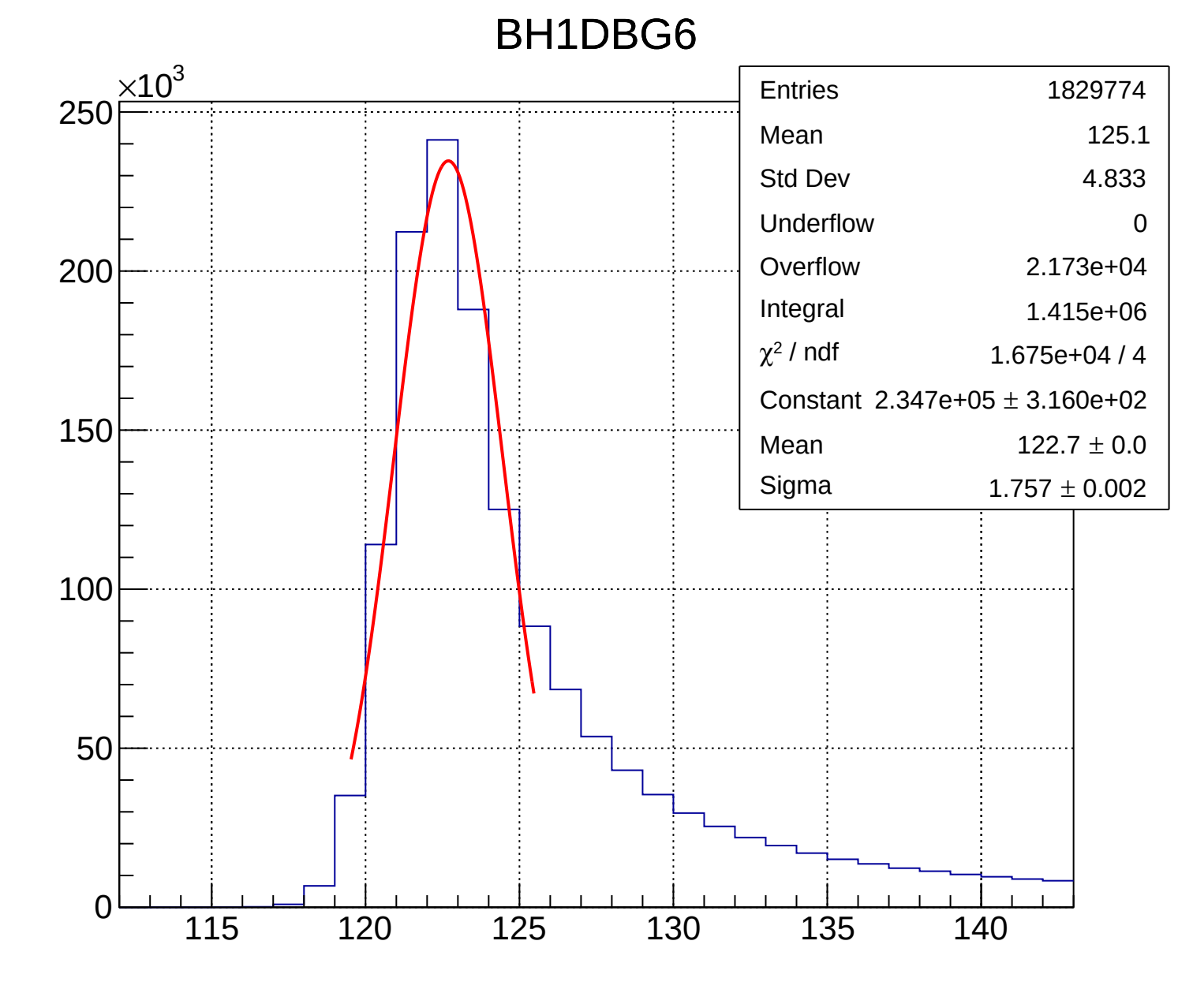

BH1DBG1
×10^3
250
200
150
100
50
0
105
110
115
120
125
130
135
Entries 2083624
Mean 114.9
Std Dev 3.828
Underflow 0
Overflow 2816
Integral 2.004e+06
χ² / ndf 17.77 / 4
Constant 2.612e+05 ± 3.095e+02
Mean 114.5 ± 0.0
Sigma 2.767 ± 0.005

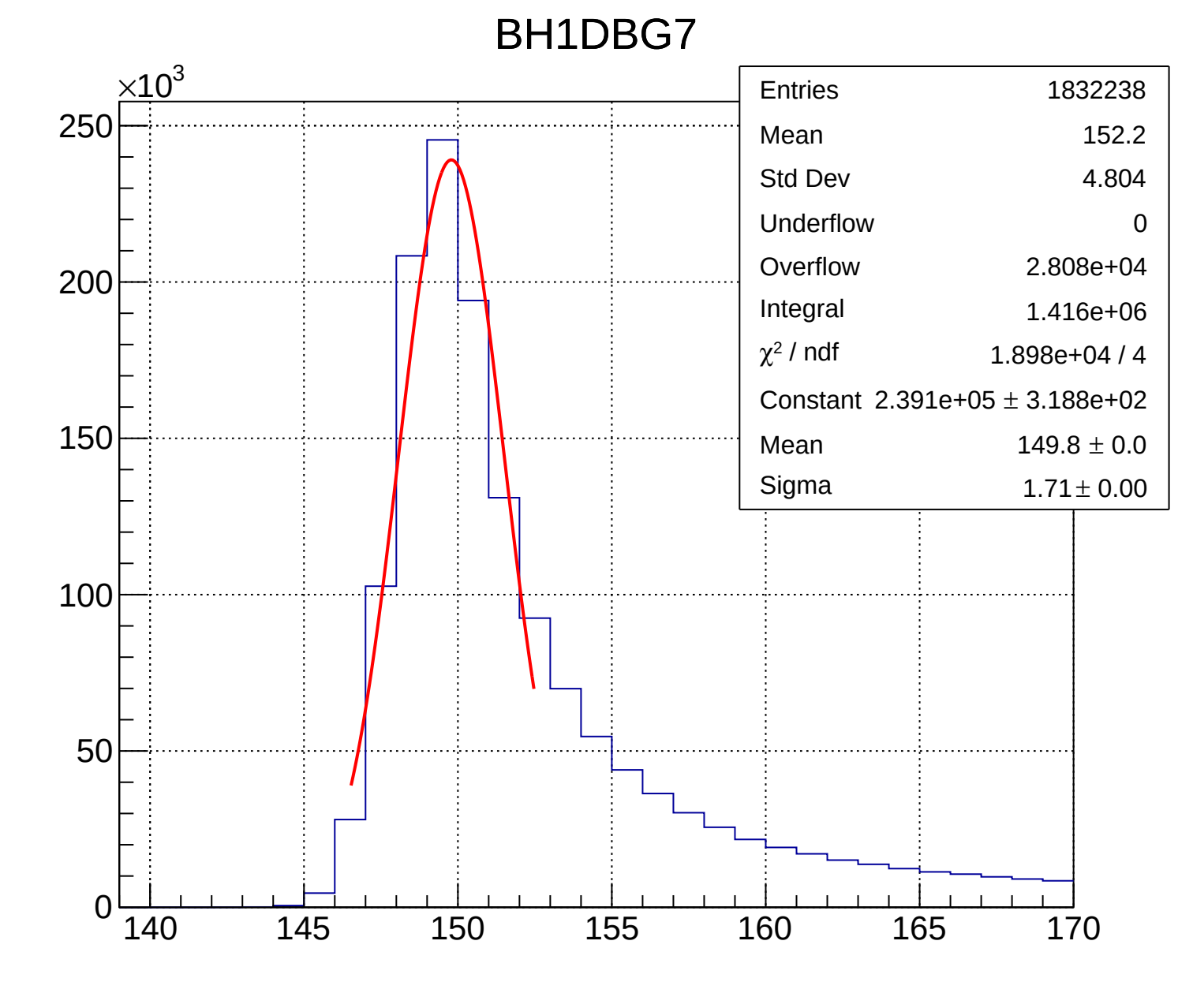

BH1DBG2
×10^3
450
400
350
300
250
200
150
100
50
0
100
105
110
115
120
125
Entries 2052725
Mean 107.4
Std Dev 3.285
Underflow 0
Overflow 9877
Integral 1.91e+06
χ² / ndf 1.886e+04 / 4
Constant 4.729e+05 ± 4.777e+02
Mean 106.5 ± 0.0
Sigma 1.423 ± 0.001

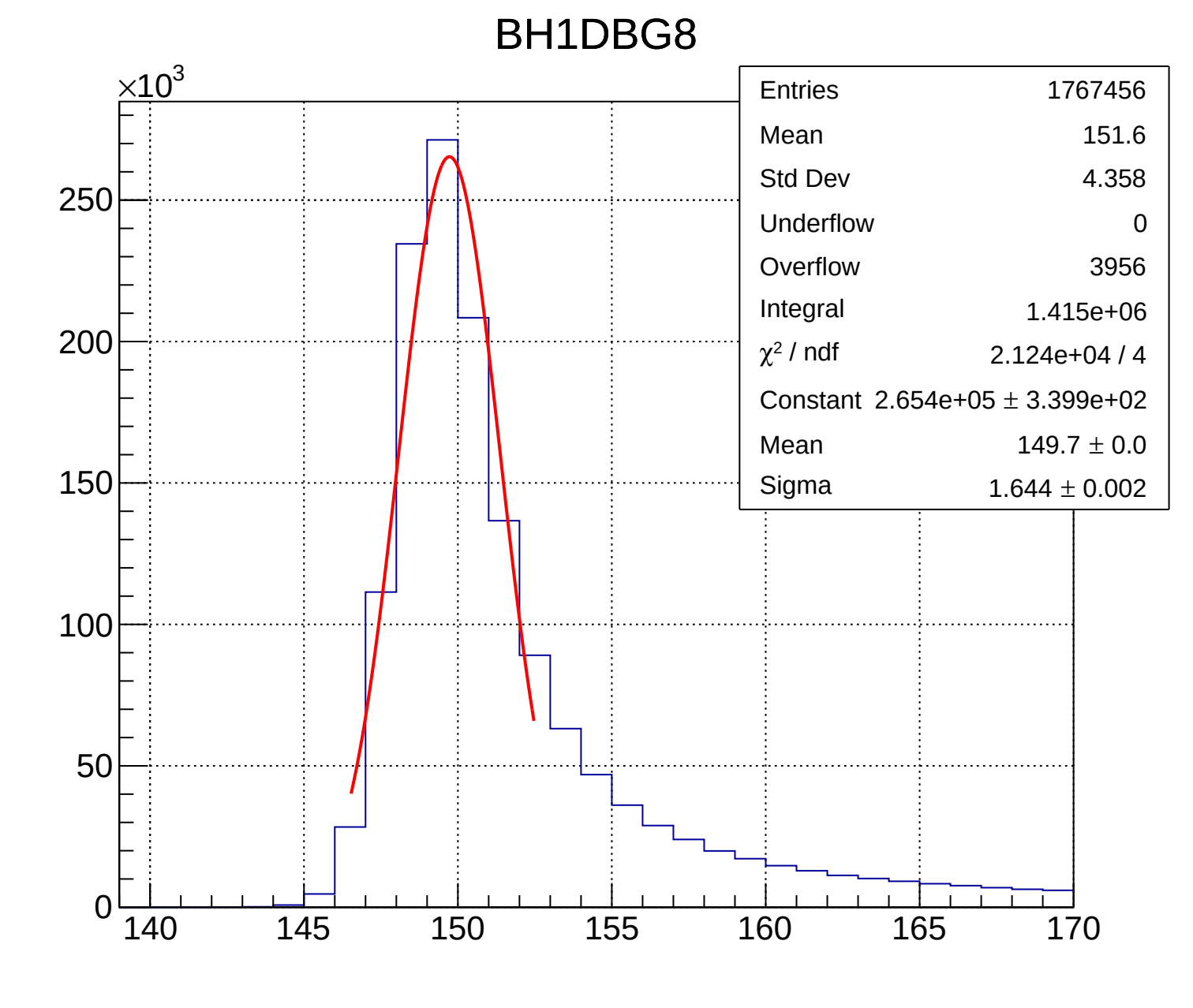

BH1DBG3
×10^3
350
300
250
200
150
100
50
0
75
80
85
90
95
100
Entries 1951373
Mean 84.66
Std Dev 4.438
Underflow 0
Overflow 2.13e+04
Integral 1.615e+06
χ² / ndf 4.586e+04 / 4
Constant 3.432e+05 ± 4.183e+02
Mean 82.6 ± 0.0
Sigma 1.398 ± 0.001

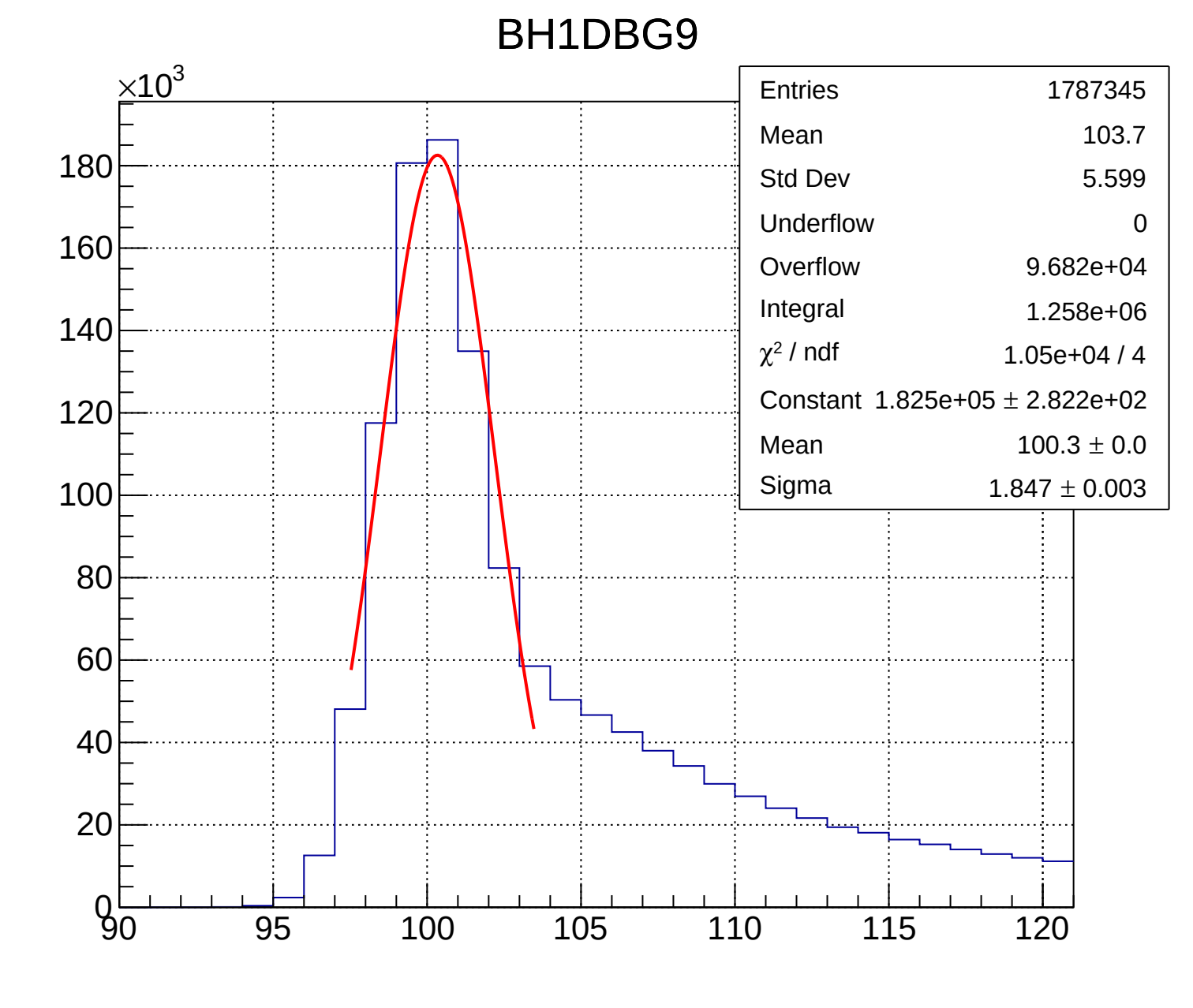

BH1DBG4
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
125
130
135
140
145
150
155
Entries 1825397
Mean 138.4
Std Dev 5.251
Underflow 0
Overflow 4.757e+04
Integral 1.335e+06
χ² / ndf 1.775e+04 / 4
Constant 2.179e+05 ± 3.044e+02
Mean 135.3 ± 0.0
Sigma 1.541 ± 0.002

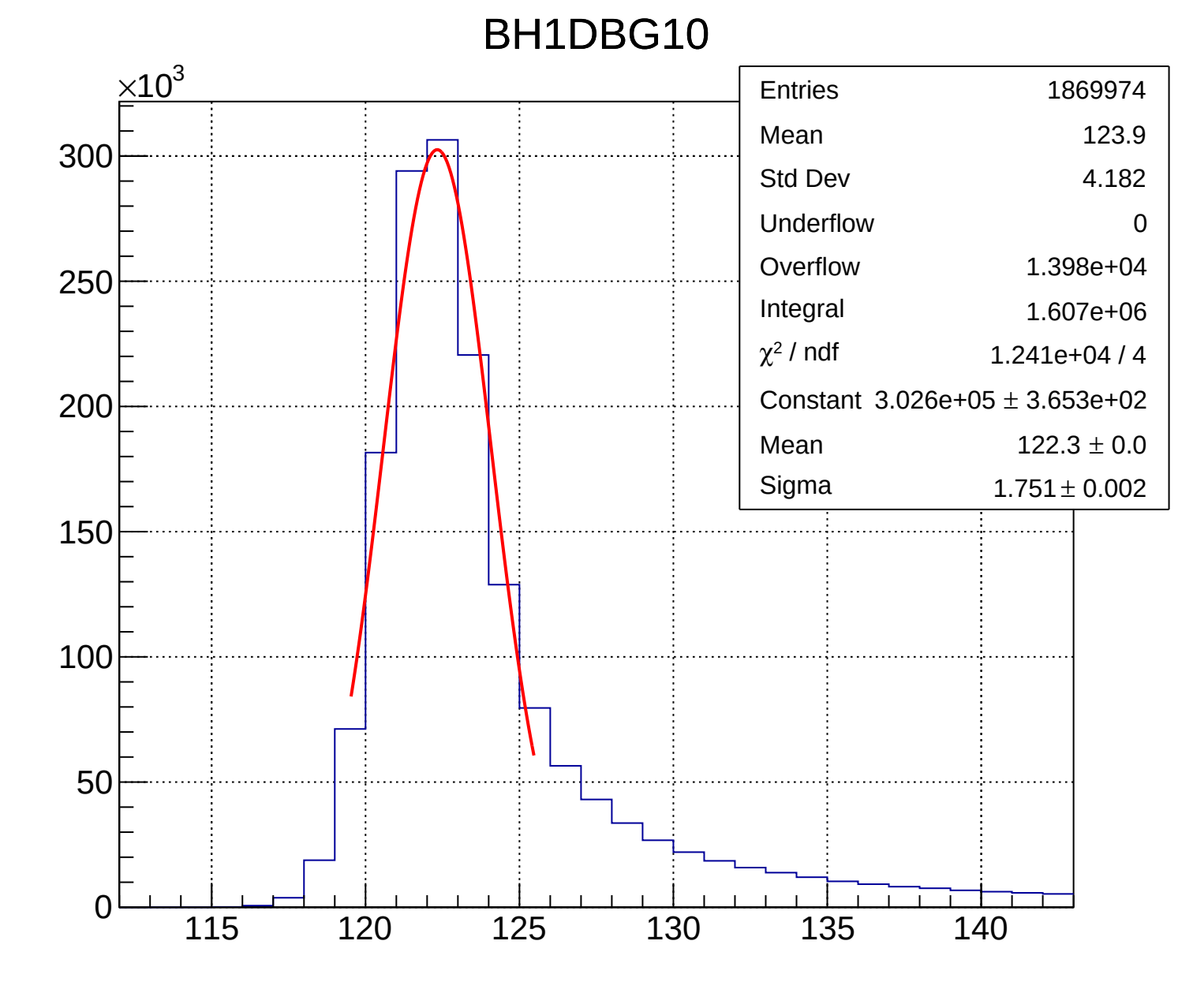

BH1DBG5
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
130
135
140
145
150
155
Entries 1863748
Mean 139.8
Std Dev 4.696
Underflow 0
Overflow 1.861e+04
Integral 1.486e+06
χ² / ndf 1068 / 4
Constant 2.243e+05 ± 2.985e+02
Mean 137.8 ± 0.0
Sigma 2.108 ± 0.003

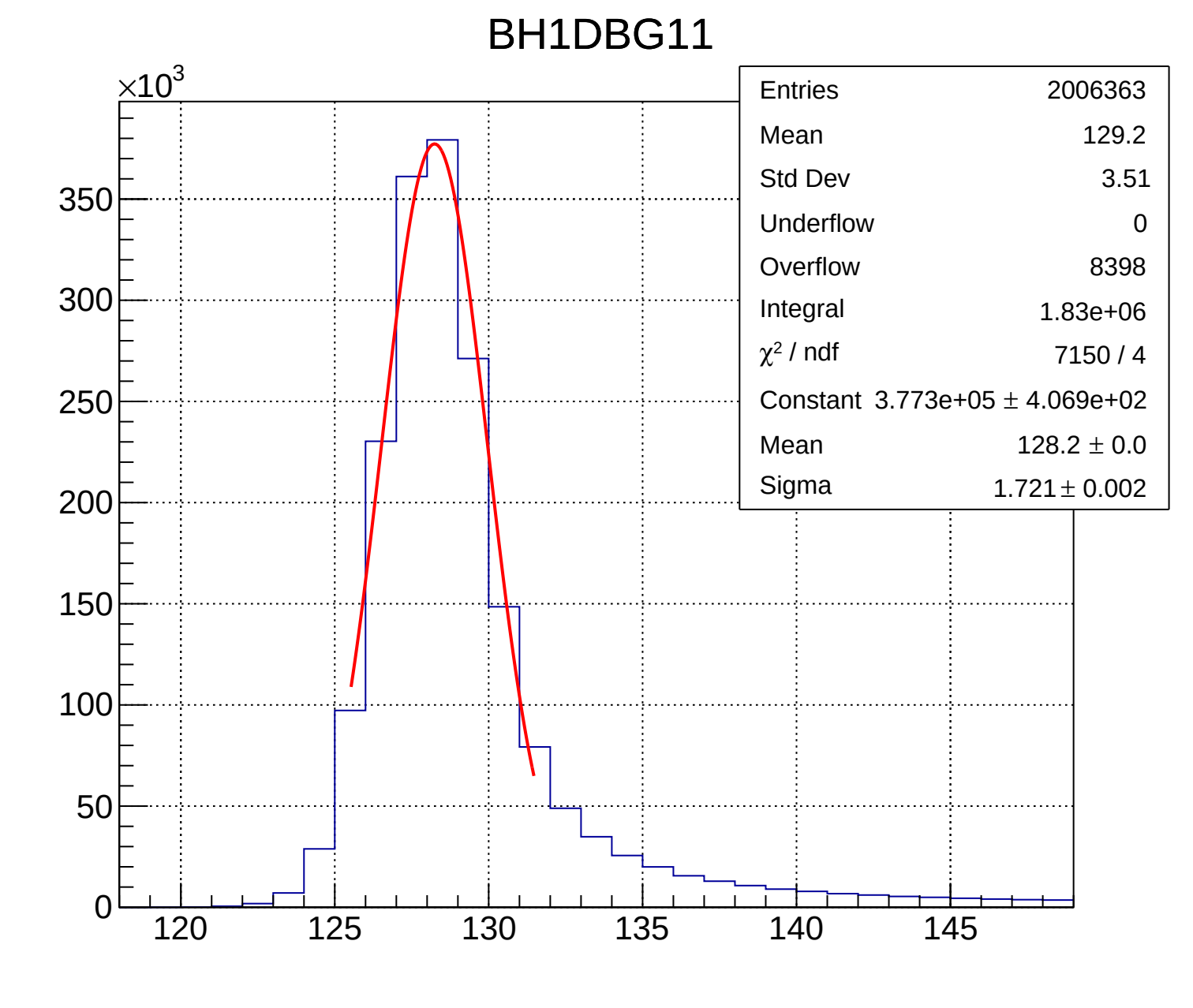

BH1DBG6
×10^3
250
200
150
100
50
0
115
120
125
130
135
140
Entries 1829774
Mean 125.1
Std Dev 4.833
Underflow 0
Overflow 2.173e+04
Integral 1.415e+06
χ² / ndf 1.675e+04 / 4
Constant 2.347e+05 ± 3.160e+02
Mean 122.7 ± 0.0
Sigma 1.757 ± 0.002

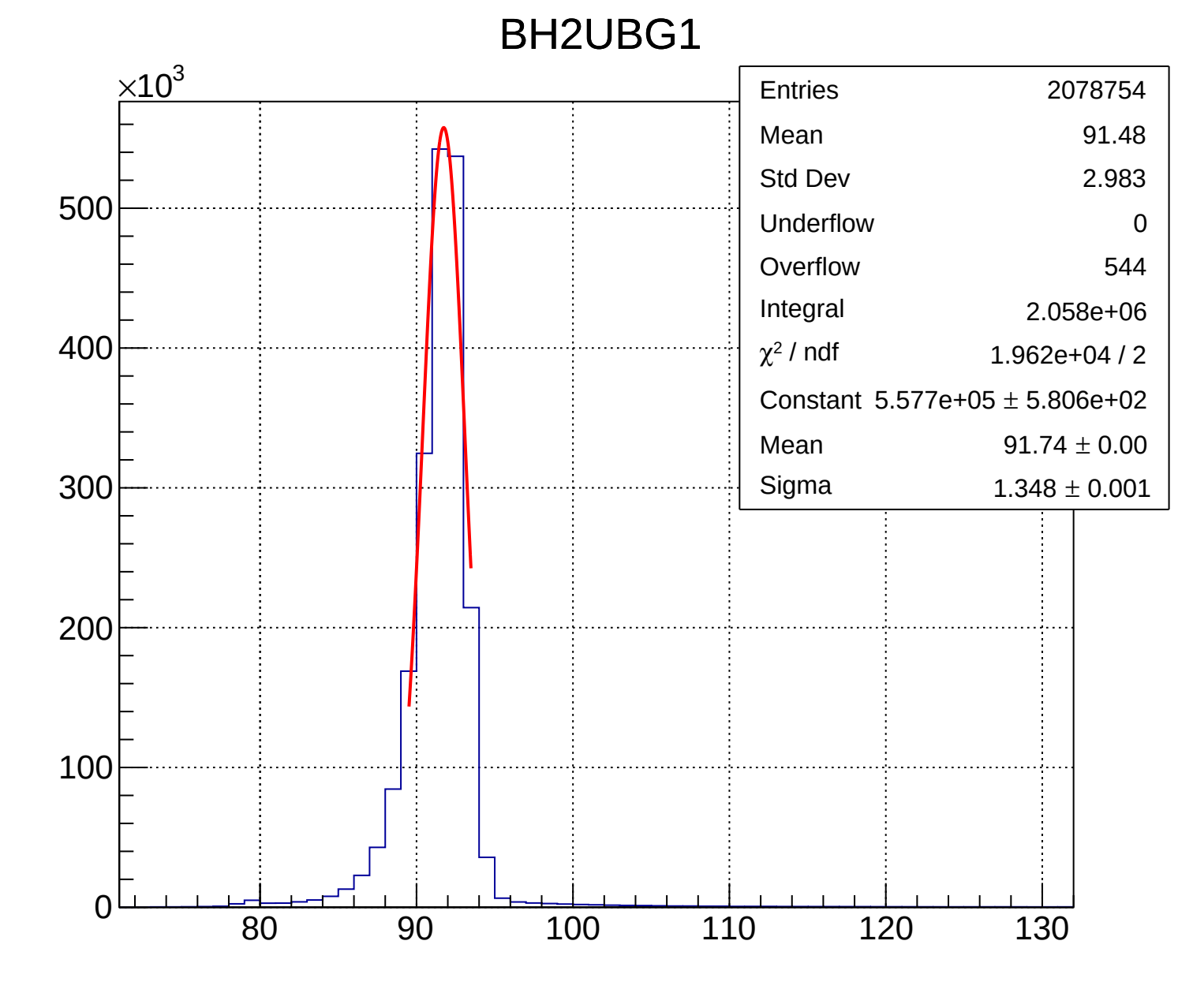

BH1DBG7
×10^3
250
200
150
100
50
0
140
145
150
155
160
165
170
Entries 1832238
Mean 152.2
Std Dev 4.804
Underflow 0
Overflow 2.808e+04
Integral 1.416e+06
χ² / ndf 1.898e+04 / 4
Constant 2.391e+05 ± 3.188e+02
Mean 149.8 ± 0.0
Sigma 1.71 ± 0.00

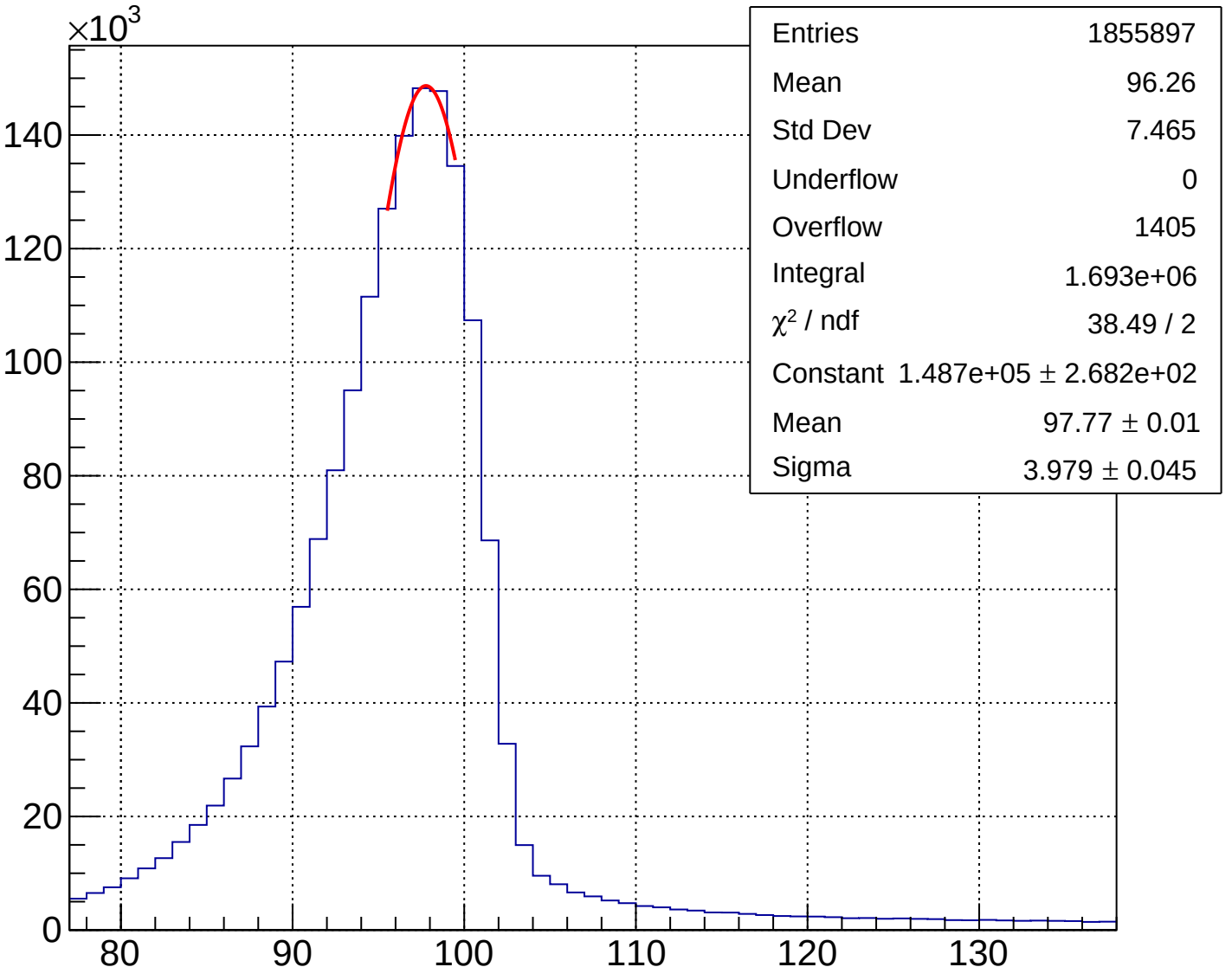

BH1DBG8
×10^3
250
200
150
100
50
0
140
145
150
155
160
165
170
Entries 1767456
Mean 151.6
Std Dev 4.358
Underflow 0
Overflow 3956
Integral 1.415e+06
χ² / ndf 2.124e+04 / 4
Constant 2.654e+05 ± 3.399e+02
Mean 149.7 ± 0.0
Sigma 1.644 ± 0.002

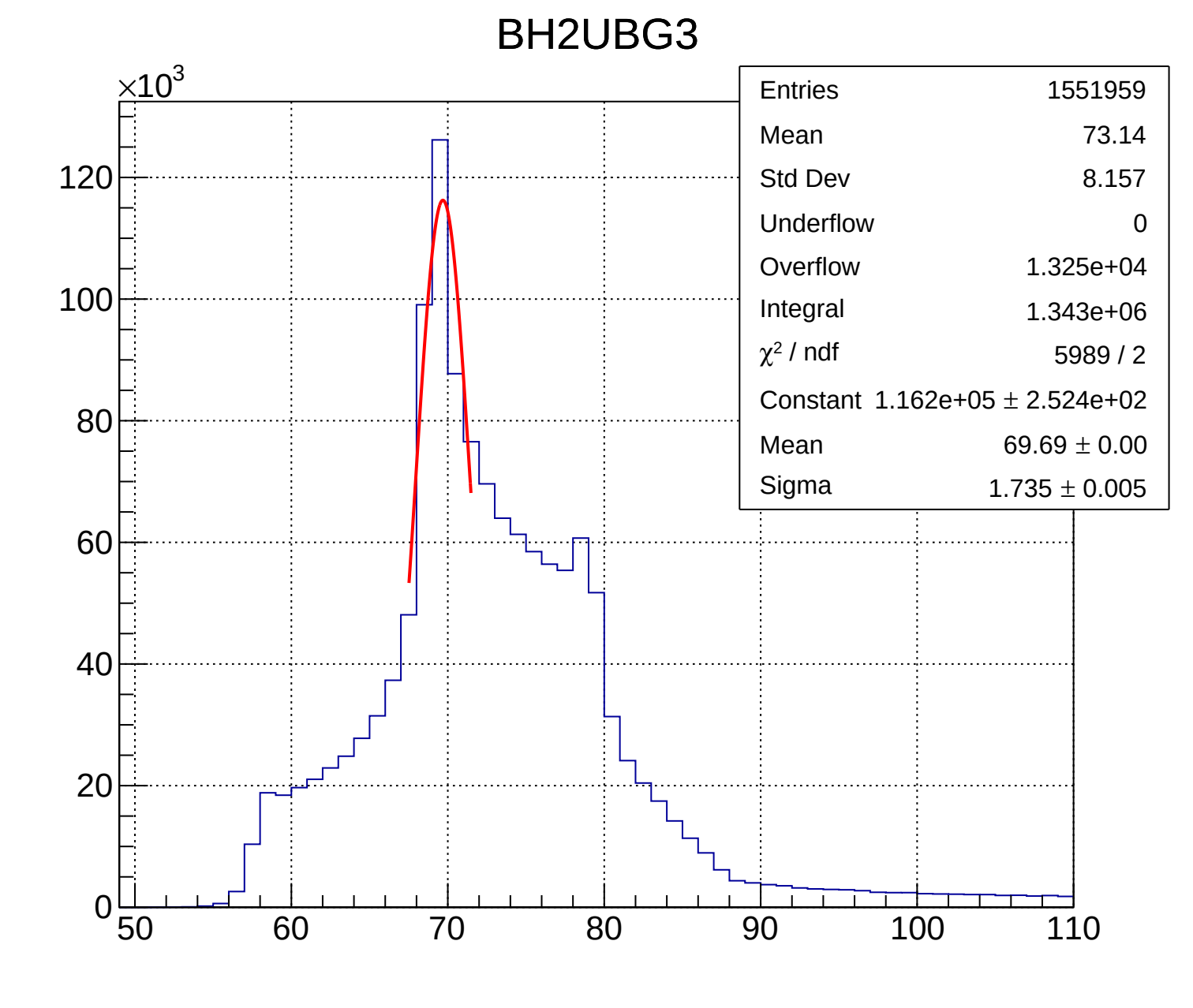

BH1DBG9
×10^3
180
160
140
120
100
80
60
40
20
0
90
95
100
105
110
115
120
Entries 1787345
Mean 103.7
Std Dev 5.599
Underflow 0
Overflow 9.682e+04
Integral 1.258e+06
χ² / ndf 1.05e+04 / 4
Constant 1.825e+05 ± 2.822e+02
Mean 100.3 ± 0.0
Sigma 1.847 ± 0.003

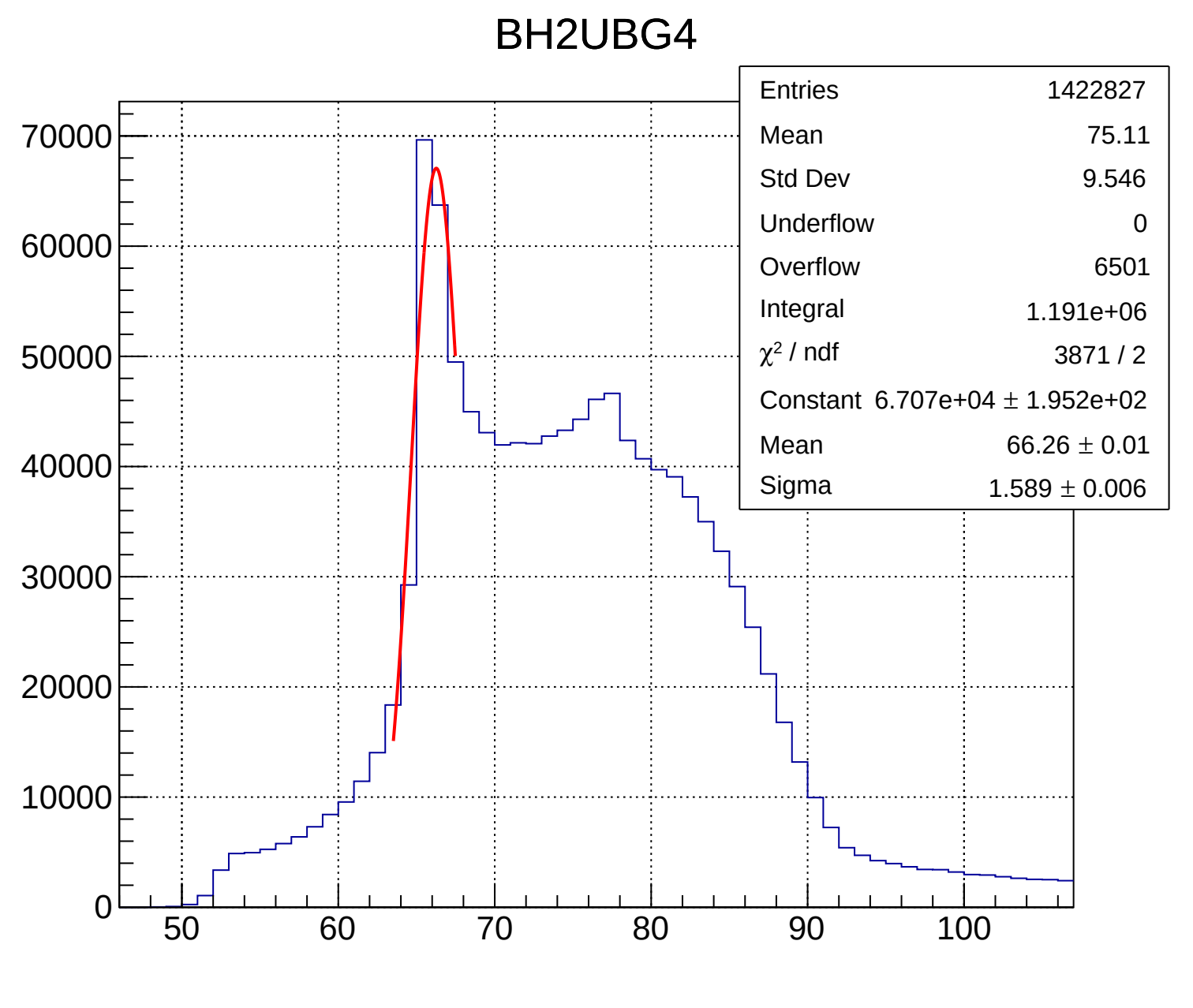

BH1DBG10
×10^3
300
250
200
150
100
50
0
115
120
125
130
135
140
Entries 1869974
Mean 123.9
Std Dev 4.182
Underflow 0
Overflow 1.398e+04
Integral 1.607e+06
χ² / ndf 1.241e+04 / 4
Constant 3.026e+05 ± 3.653e+02
Mean 122.3 ± 0.0
Sigma 1.751 ± 0.002

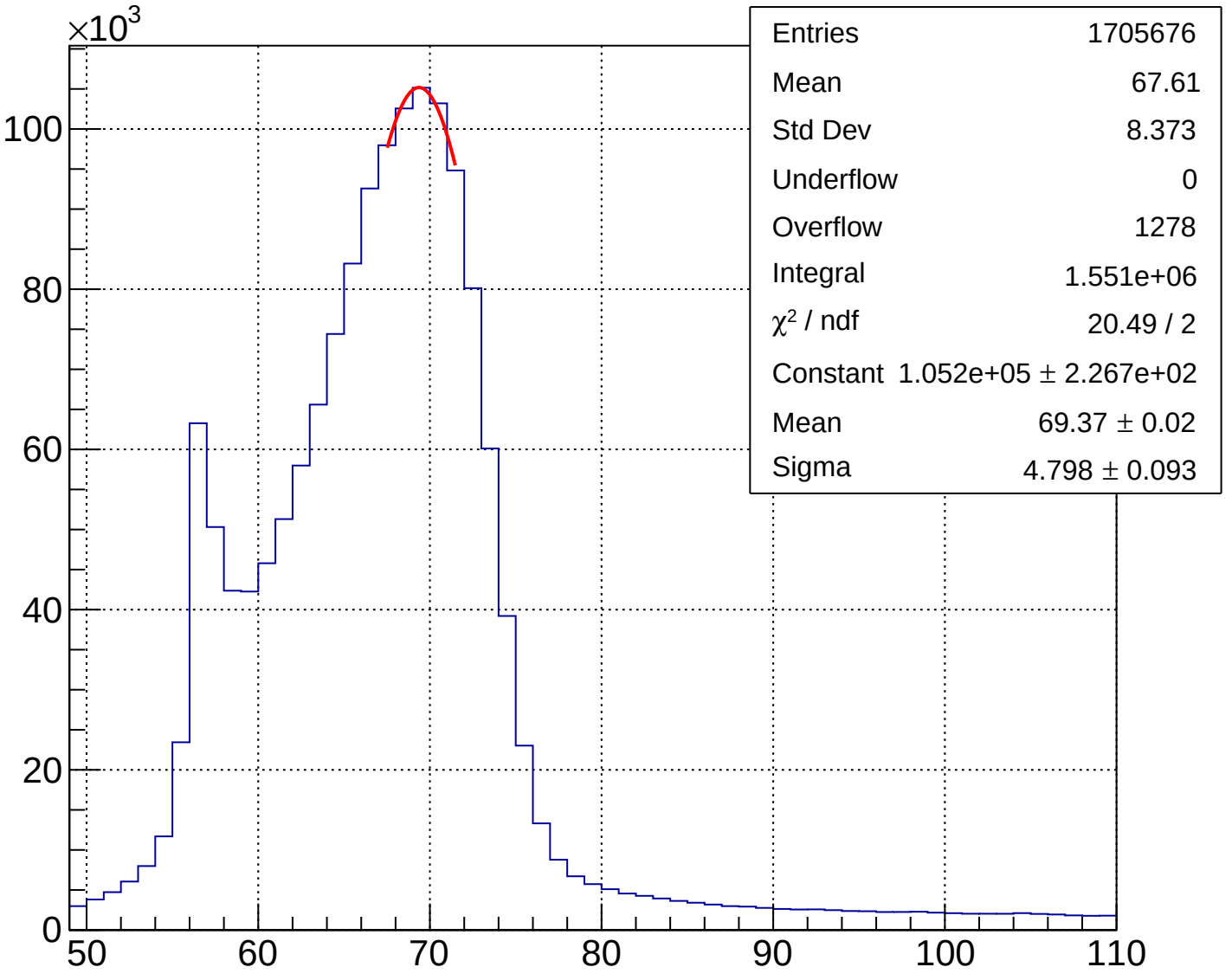

BH1DBG11
×10^3
350
300
250
200
150
100
50
0
120
125
130
135
140
145
Entries 2006363
Mean 129.2
Std Dev 3.51
Underflow 0
Overflow 8398
Integral 1.83e+06
χ² / ndf 7150 / 4
Constant 3.773e+05 ± 4.069e+02
Mean 128.2 ± 0.0
Sigma 1.721 ± 0.002

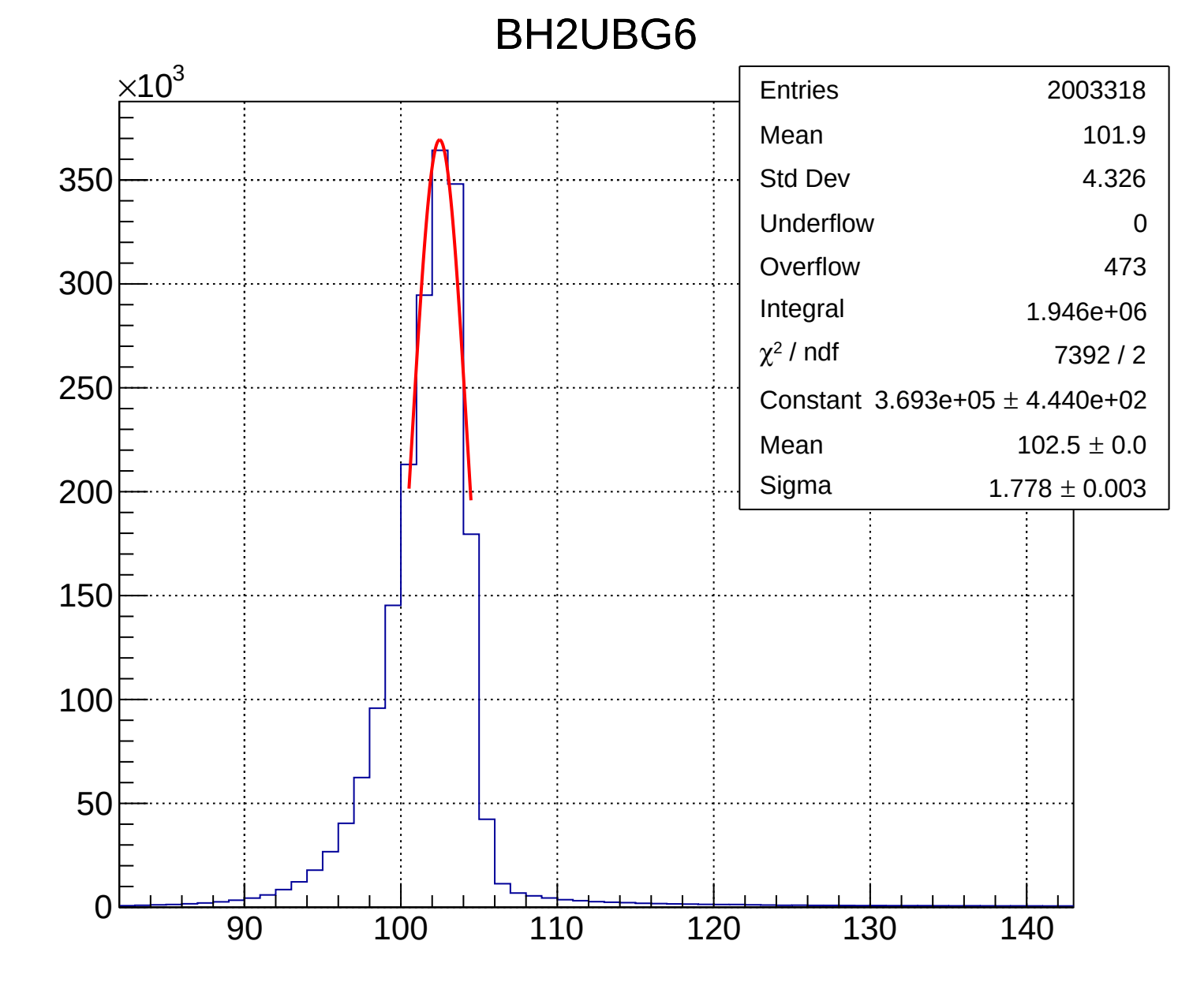

BH2UBG1
×10^3
500
400
300
200
100
0
80
90
100
110
120
130
Entries 2078754
Mean 91.48
Std Dev 2.983
Underflow 0
Overflow 544
Integral 2.058e+06
χ² / ndf 1.962e+04 / 2
Constant 5.577e+05 ± 5.806e+02
Mean 91.74 ± 0.00
Sigma 1.348 ± 0.001

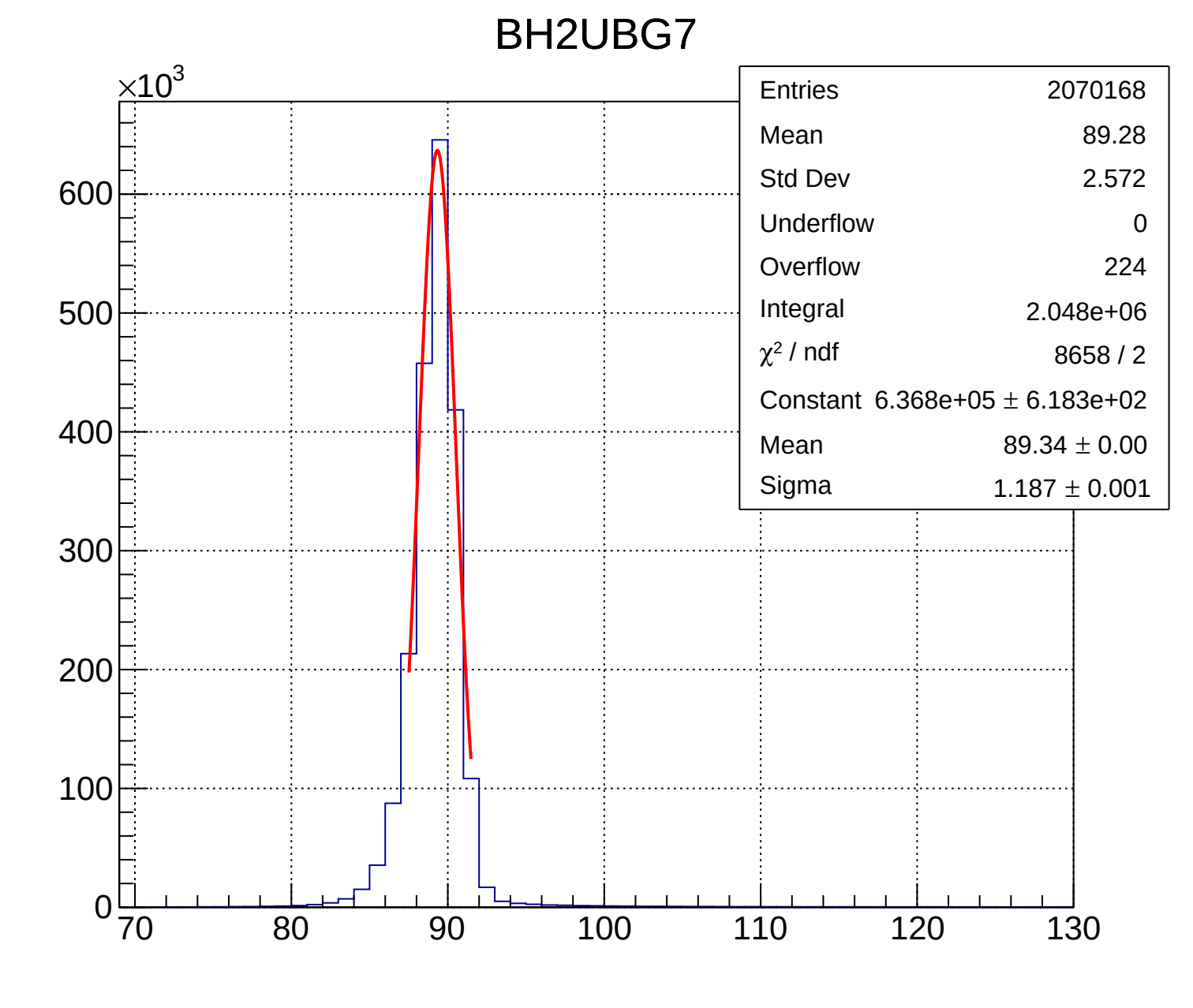

BH2UBG2
×10^3
140
120
100
80
60
40
20
0
80
90
100
110
120
130
Entries 1855897
Mean 96.26
Std Dev 7.465
Underflow 0
Overflow 1405
Integral 1.693e+06
χ² / ndf 38.49 / 2
Constant 1.487e+05 ± 2.682e+02
Mean 97.77 ± 0.01
Sigma 3.979 ± 0.045

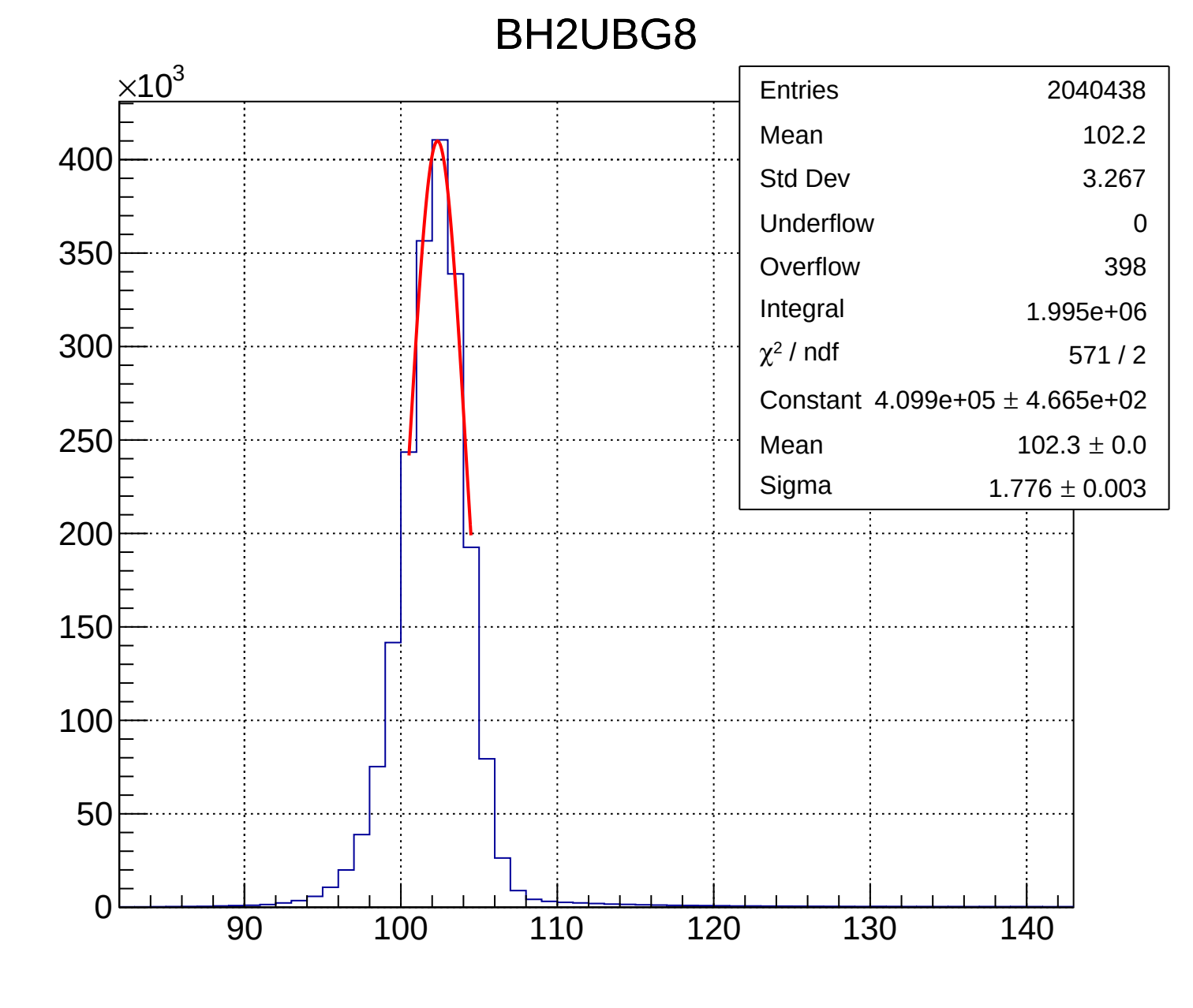

BH2UBG3
×10^3
120
100
80
60
40
20
0
50
60
70
80
90
100
110
Entries 1551959
Mean 73.14
Std Dev 8.157
Underflow 0
Overflow 1.325e+04
Integral 1.343e+06
χ² / ndf 5989 / 2
Constant 1.162e+05 ± 2.524e+02
Mean 69.69 ± 0.00
Sigma 1.735 ± 0.005

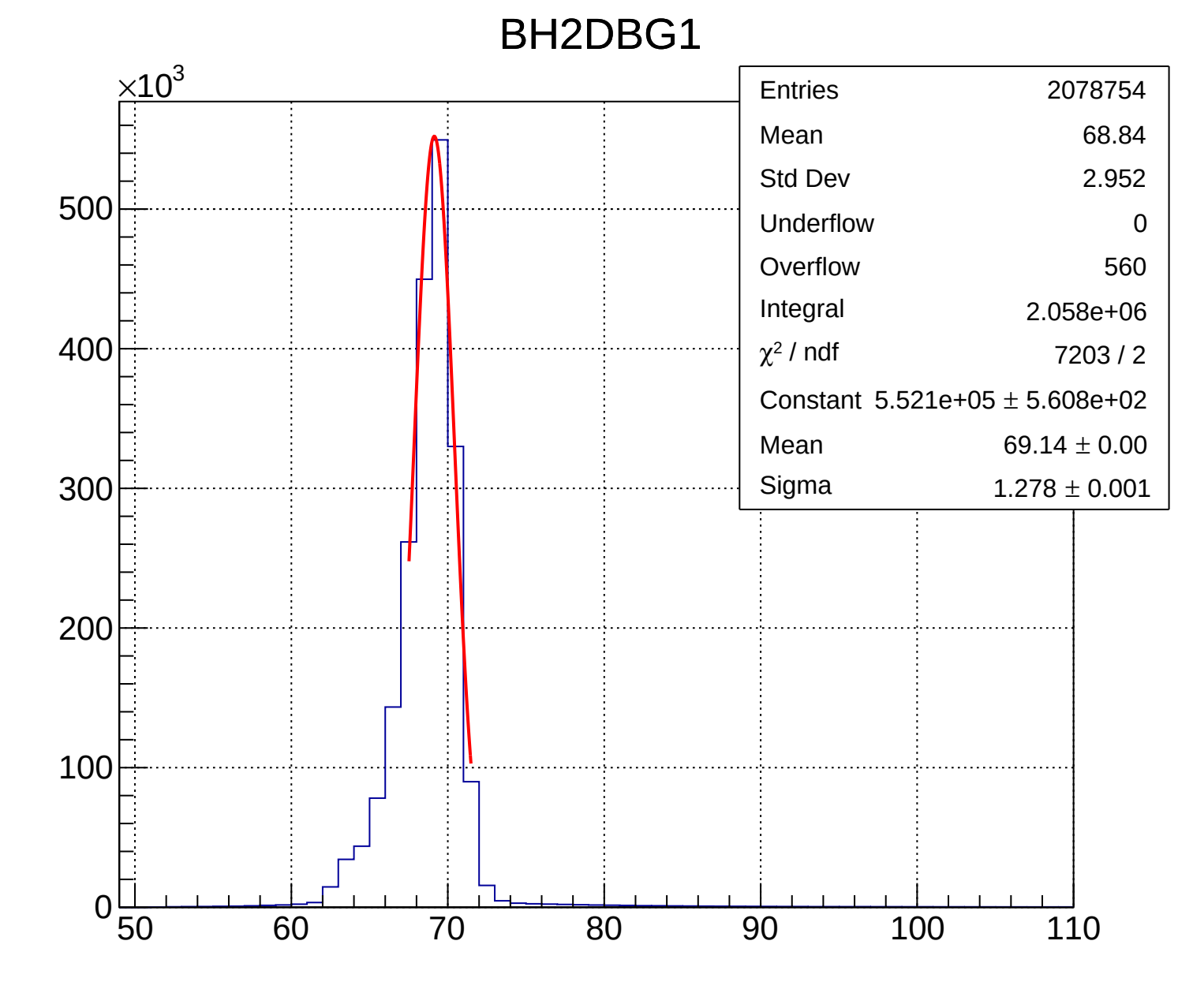

BH2UBG4
Entries 1422827
Mean 75.11
Std Dev 9.546
Underflow 0
Overflow 6501
Integral 1.191e+06
χ² / ndf 3871 / 2
Constant 6.707e+04 ± 1.952e+02
Mean 66.26 ± 0.01
Sigma 1.589 ± 0.006
70000
60000
50000
40000
30000
20000
10000
0
50
60
70
80
90
100

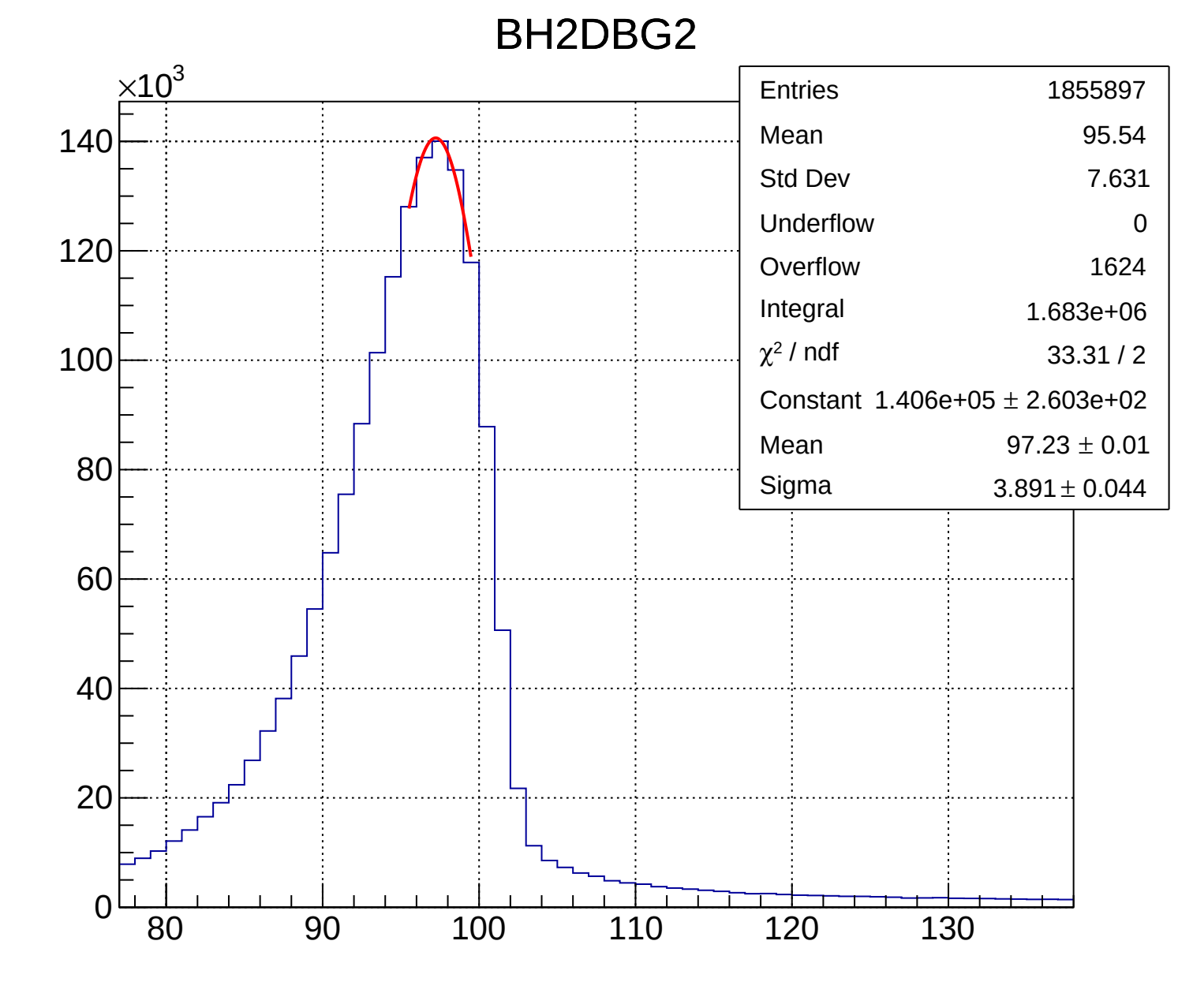

BH2UBG5
×10^3
100
80
60
40
20
0
50
60
70
80
90
100
110
Entries 1705676
Mean 67.61
Std Dev 8.373
Underflow 0
Overflow 1278
Integral 1.551e+06
χ² / ndf 20.49 / 2
Constant 1.052e+05 ± 2.267e+02
Mean 69.37 ± 0.02
Sigma 4.798 ± 0.093

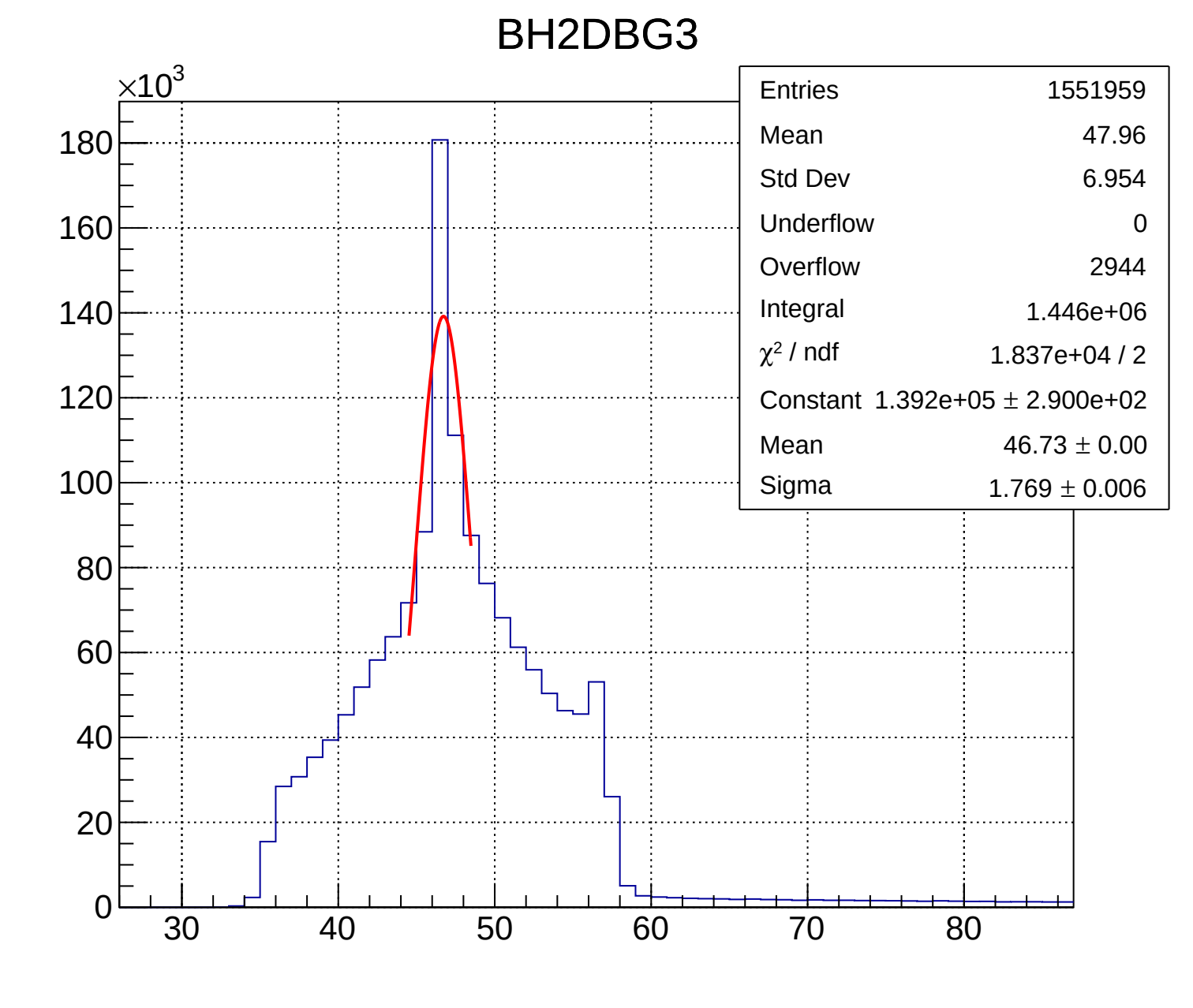

BH2UBG6
×10^3
350
300
250
200
150
100
50
0
90
100
110
120
130
140
Entries 2003318
Mean 101.9
Std Dev 4.326
Underflow 0
Overflow 473
Integral 1.946e+06
χ² / ndf 7392 / 2
Constant 3.693e+05 ± 4.440e+02
Mean 102.5 ± 0.0
Sigma 1.778 ± 0.003

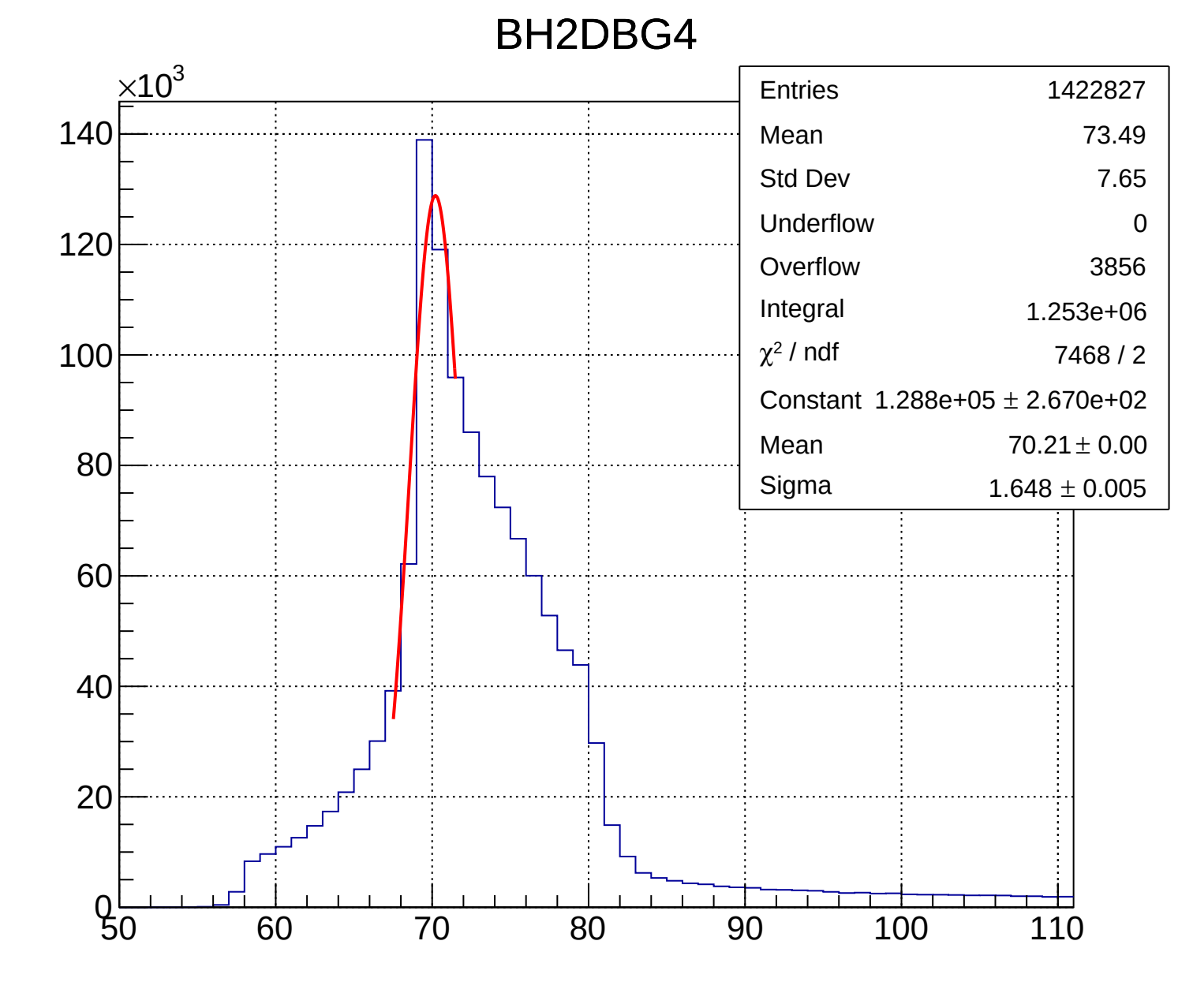

BH2UBG7
×10^3
600
500
400
300
200
100
0
70
80
90
100
110
120
130
Entries 2070168
Mean 89.28
Std Dev 2.572
Underflow 0
Overflow 224
Integral 2.048e+06
χ² / ndf 8658 / 2
Constant 6.368e+05 ± 6.183e+02
Mean 89.34 ± 0.00
Sigma 1.187 ± 0.001

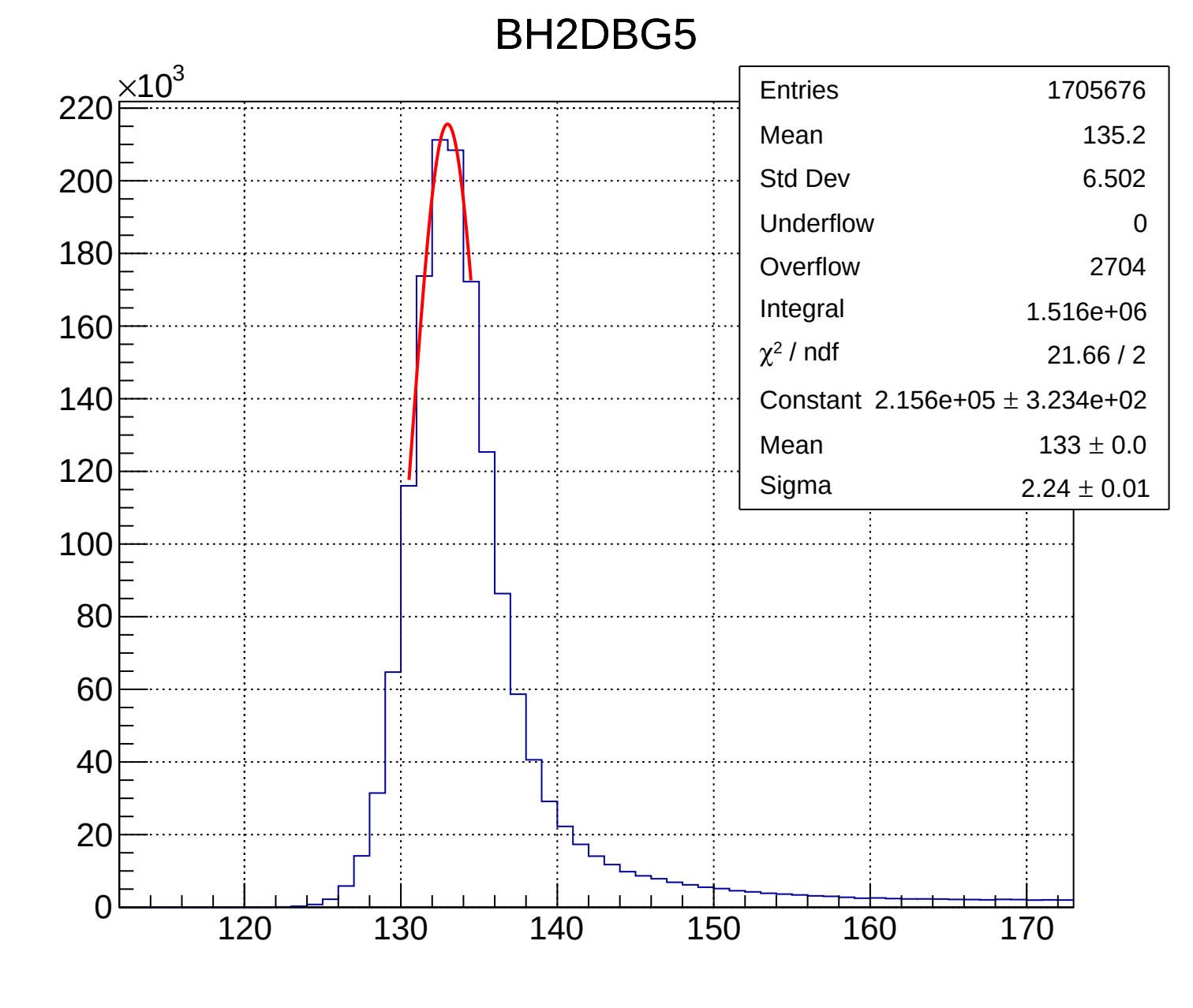

BH2UBG8
×10^3
400
350
300
250
200
150
100
50
0
90
100
110
120
130
140
Entries 2040438
Mean 102.2
Std Dev 3.267
Underflow 0
Overflow 398
Integral 1.995e+06
χ² / ndf 571 / 2
Constant 4.099e+05 ± 4.665e+02
Mean 102.3 ± 0.0
Sigma 1.776 ± 0.003

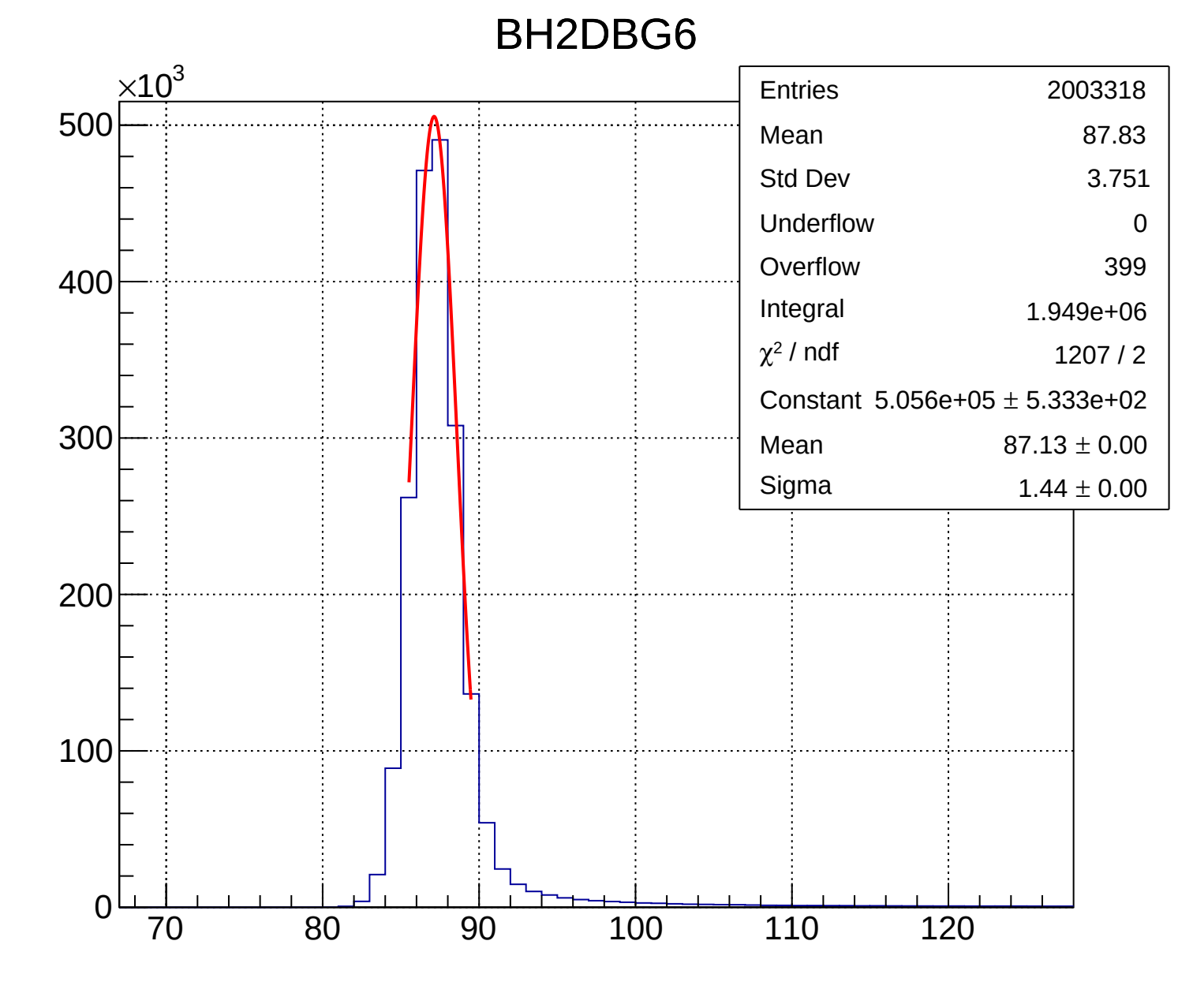

BH2DBG1
×10^3
500
400
300
200
100
0
50
60
70
80
90
100
110
Entries 2078754
Mean 68.84
Std Dev 2.952
Underflow 0
Overflow 560
Integral 2.058e+06
χ² / ndf 7203 / 2
Constant 5.521e+05 ± 5.608e+02
Mean 69.14 ± 0.00
Sigma 1.278 ± 0.001

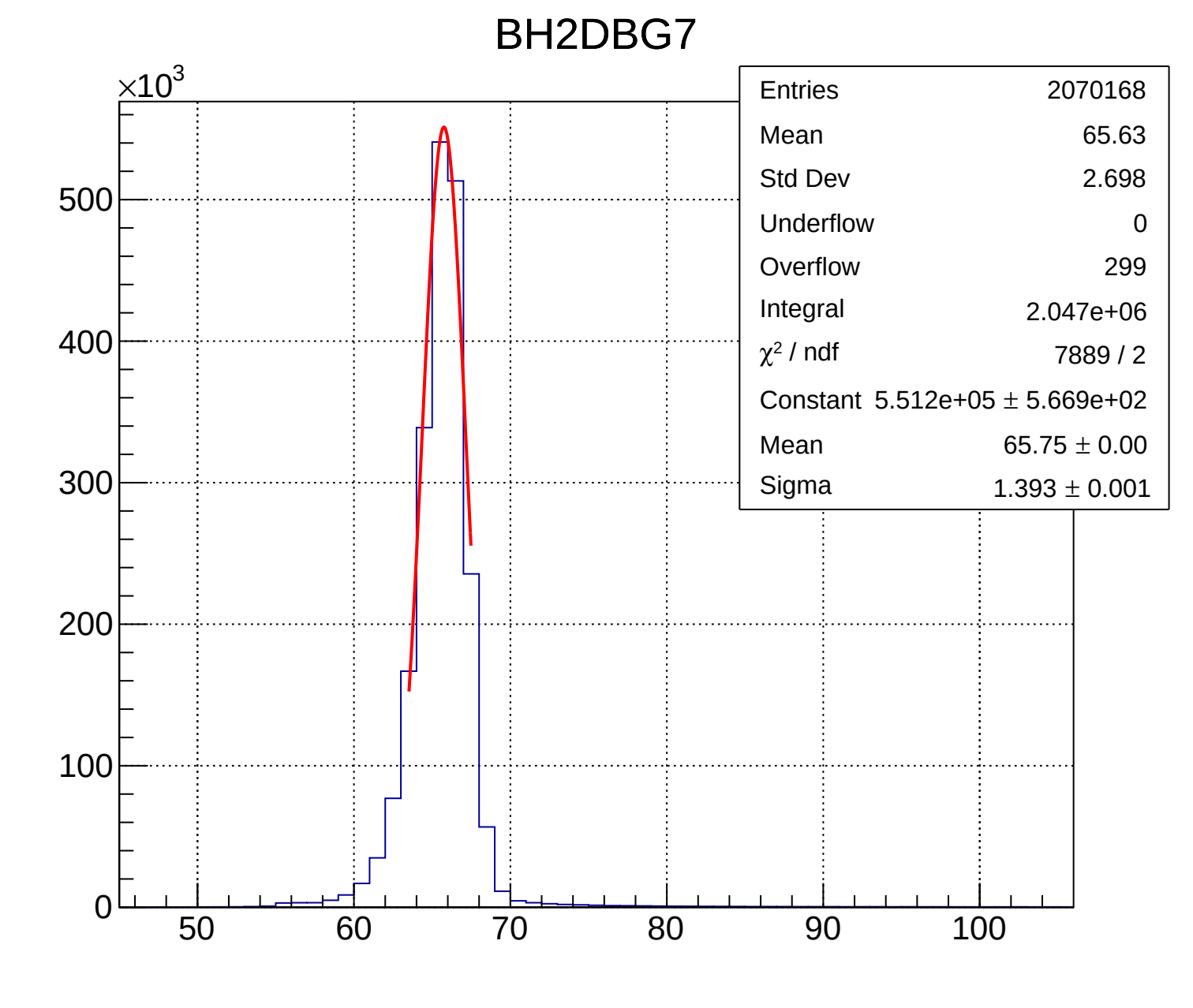

BH2DBG2
×10^3
140
120
100
80
60
40
20
0
80
90
100
110
120
130
Entries 1855897
Mean 95.54
Std Dev 7.631
Underflow 0
Overflow 1624
Integral 1.683e+06
χ² / ndf 33.31 / 2
Constant 1.406e+05 ± 2.603e+02
Mean 97.23 ± 0.01
Sigma 3.891 ± 0.044

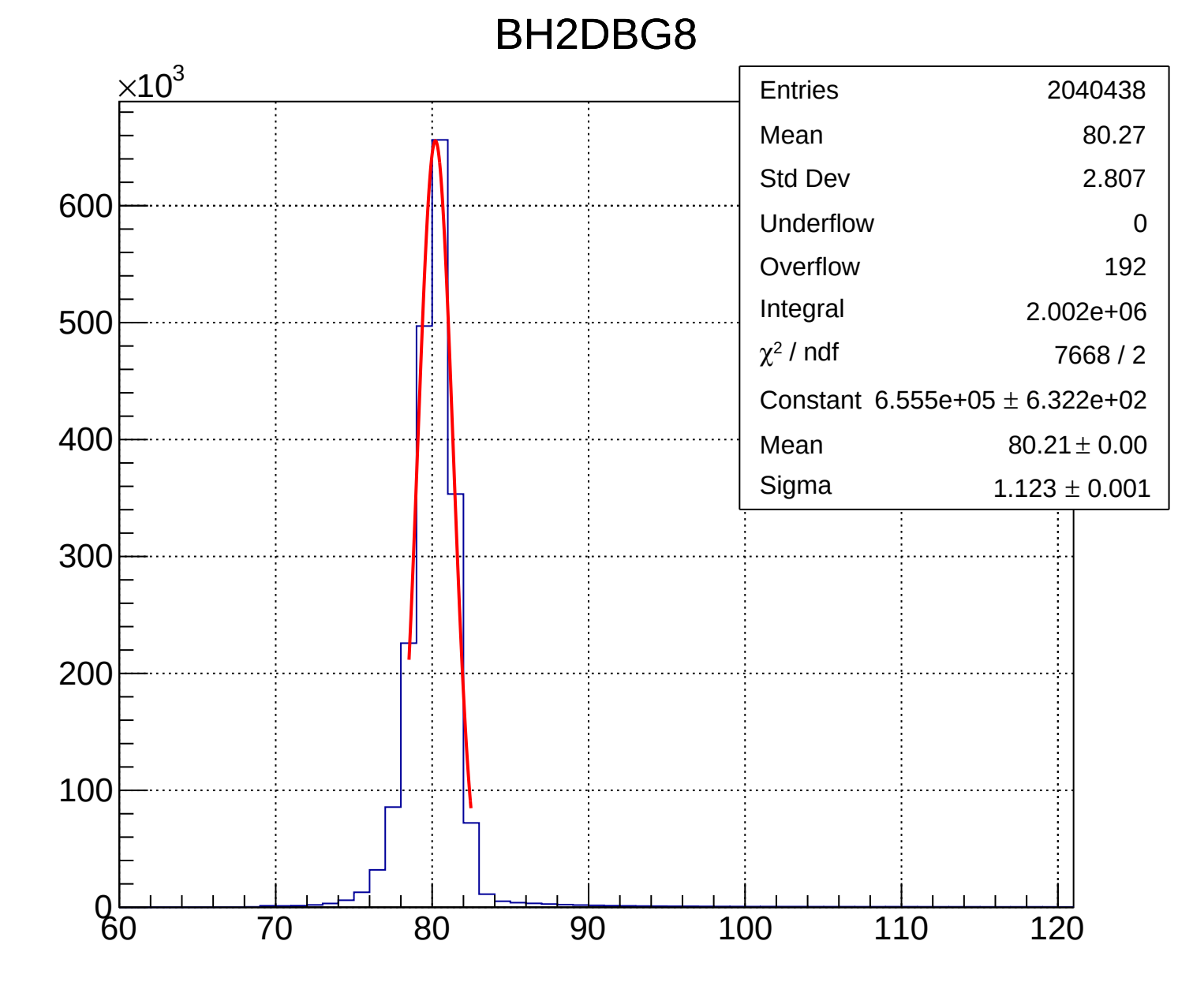

BH2DBG3
×10^3
180
160
140
120
100
80
60
40
20
0
30
40
50
60
70
80
Entries 1551959
Mean 47.96
Std Dev 6.954
Underflow 0
Overflow 2944
Integral 1.446e+06
χ² / ndf 1.837e+04 / 2
Constant 1.392e+05 ± 2.900e+02
Mean 46.73 ± 0.00
Sigma 1.769 ± 0.006

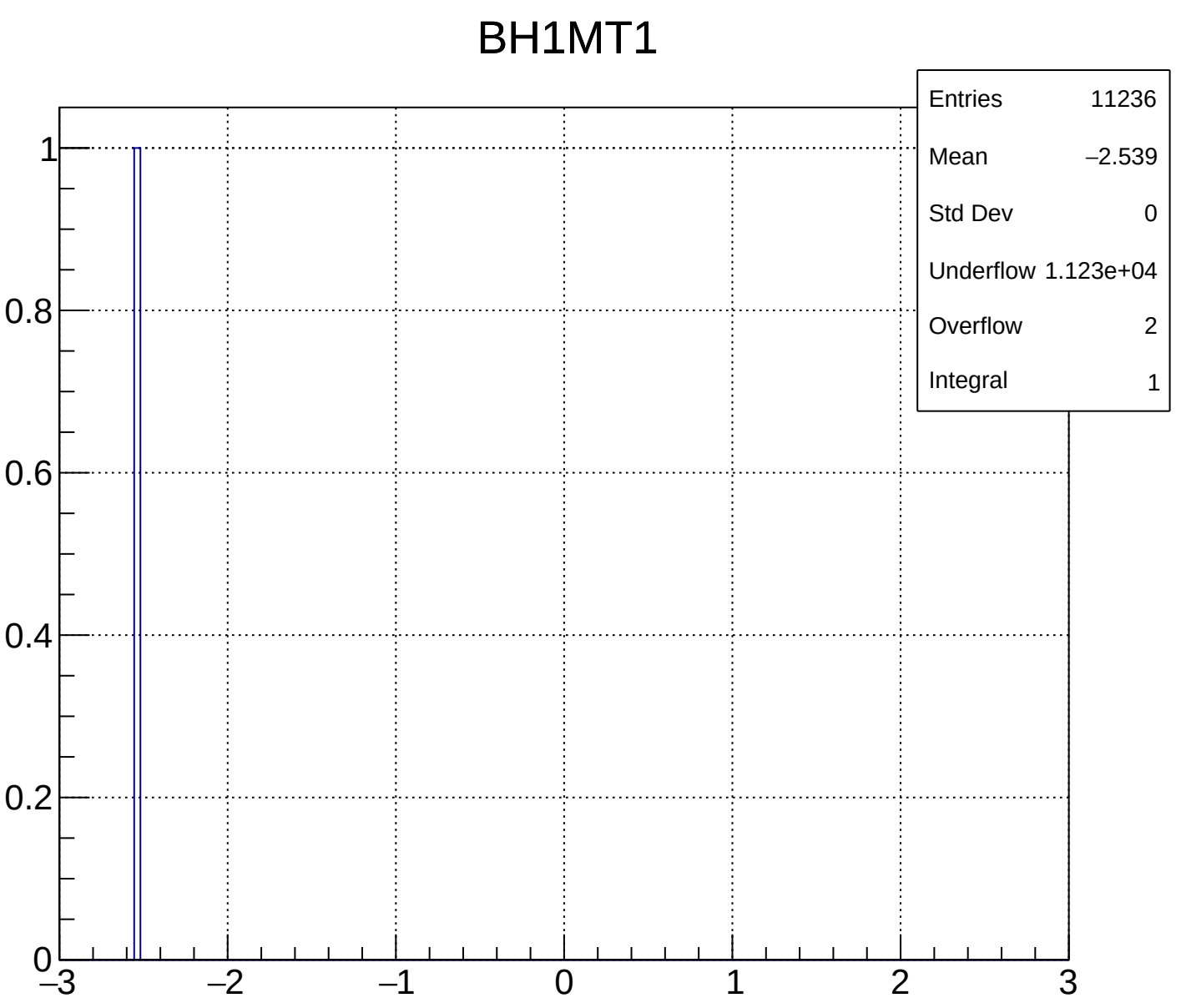

BH2DBG4
×10^3
140
120
100
80
60
40
20
0
50
60
70
80
90
100
110
Entries 1422827
Mean 73.49
Std Dev 7.65
Underflow 0
Overflow 3856
Integral 1.253e+06
χ² / ndf 7468 / 2
Constant 1.288e+05 ± 2.670e+02
Mean 70.21 ± 0.00
Sigma 1.648 ± 0.005

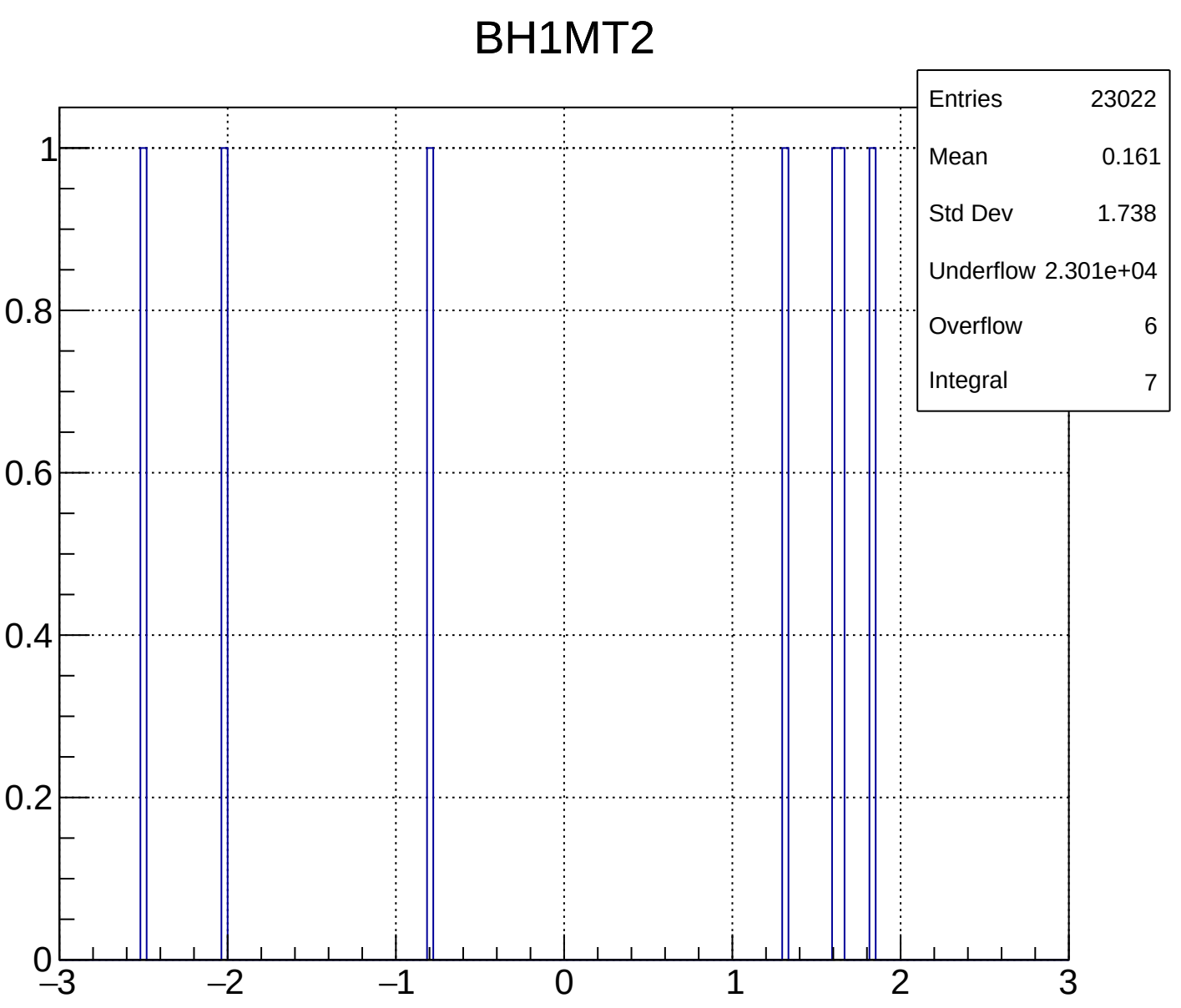

BH2DBG5
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
120
130
140
150
160
170
Entries 1705676
Mean 135.2
Std Dev 6.502
Underflow 0
Overflow 2704
Integral 1.516e+06
χ² / ndf 21.66 / 2
Constant 2.156e+05 ± 3.234e+02
Mean 133 ± 0.0
Sigma 2.24 ± 0.01

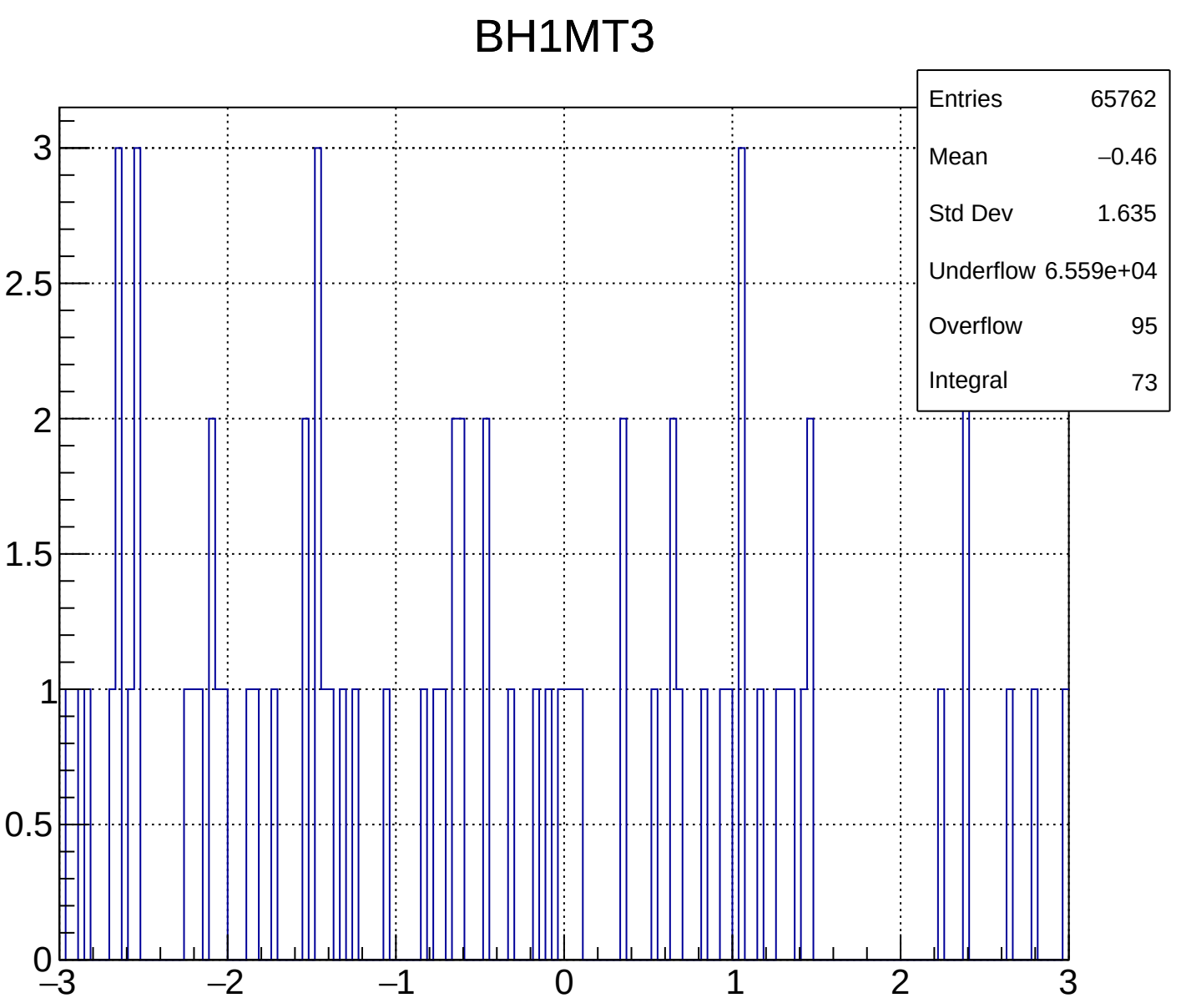

BH2DBG6
×10^3
500
400
300
200
100
0
70
80
90
100
110
120
Entries 2003318
Mean 87.83
Std Dev 3.751
Underflow 0
Overflow 399
Integral 1.949e+06
χ² / ndf 1207 / 2
Constant 5.056e+05 ± 5.333e+02
Mean 87.13 ± 0.00
Sigma 1.44 ± 0.00

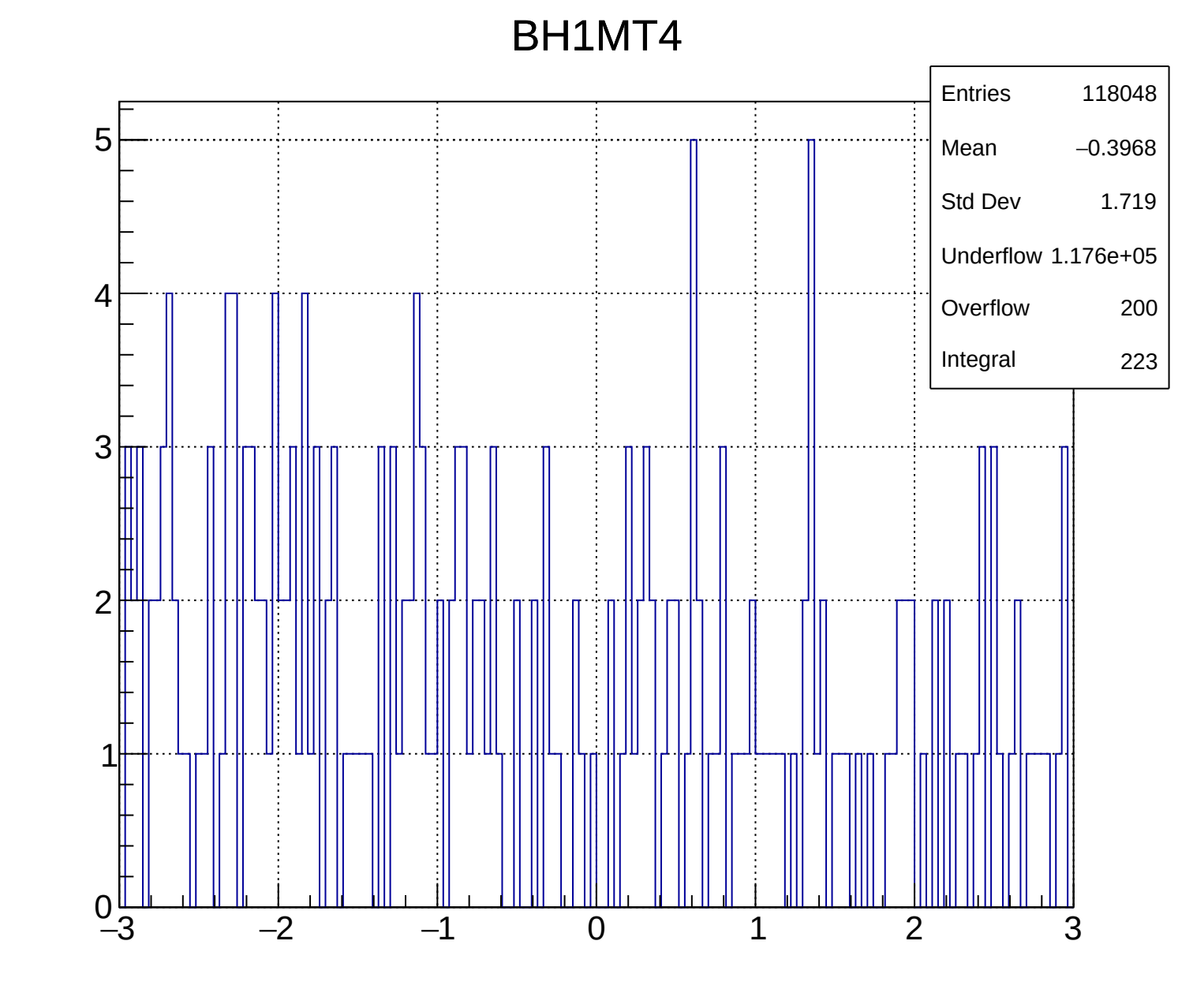

BH2DBG7
×10^3
500
400
300
200
100
0
50
60
70
80
90
100
Entries 2070168
Mean 65.63
Std Dev 2.698
Underflow 0
Overflow 299
Integral 2.047e+06
χ² / ndf 7889 / 2
Constant 5.512e+05 ± 5.669e+02
Mean 65.75 ± 0.00
Sigma 1.393 ± 0.001

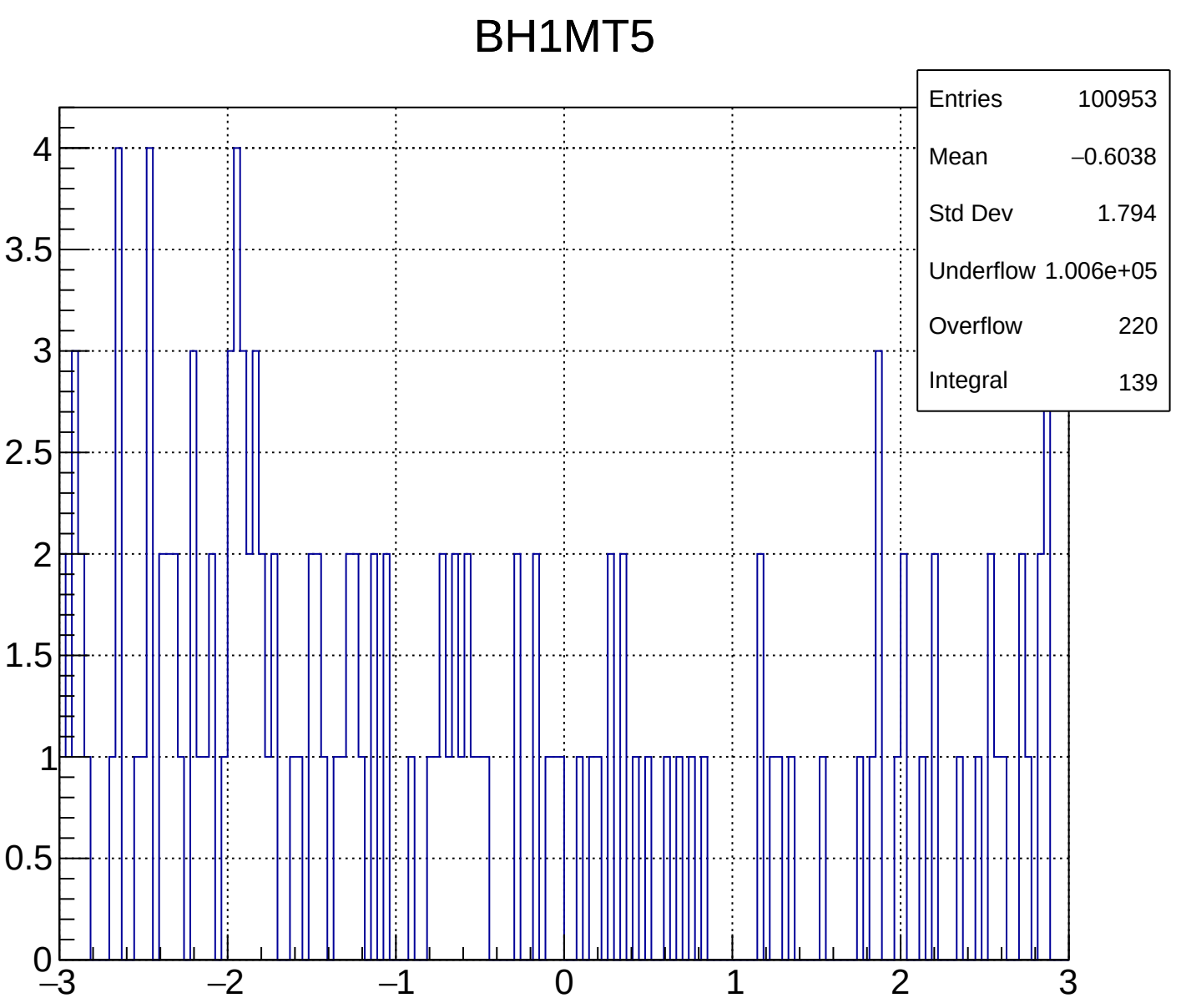

BH2DBG8
×10^3
600
500
400
300
200
100
0
60
70
80
90
100
110
120
Entries 2040438
Mean 80.27
Std Dev 2.807
Underflow 0
Overflow 192
Integral 2.002e+06
χ² / ndf 7668 / 2
Constant 6.555e+05 ± 6.322e+02
Mean 80.21 ± 0.00
Sigma 1.123 ± 0.001

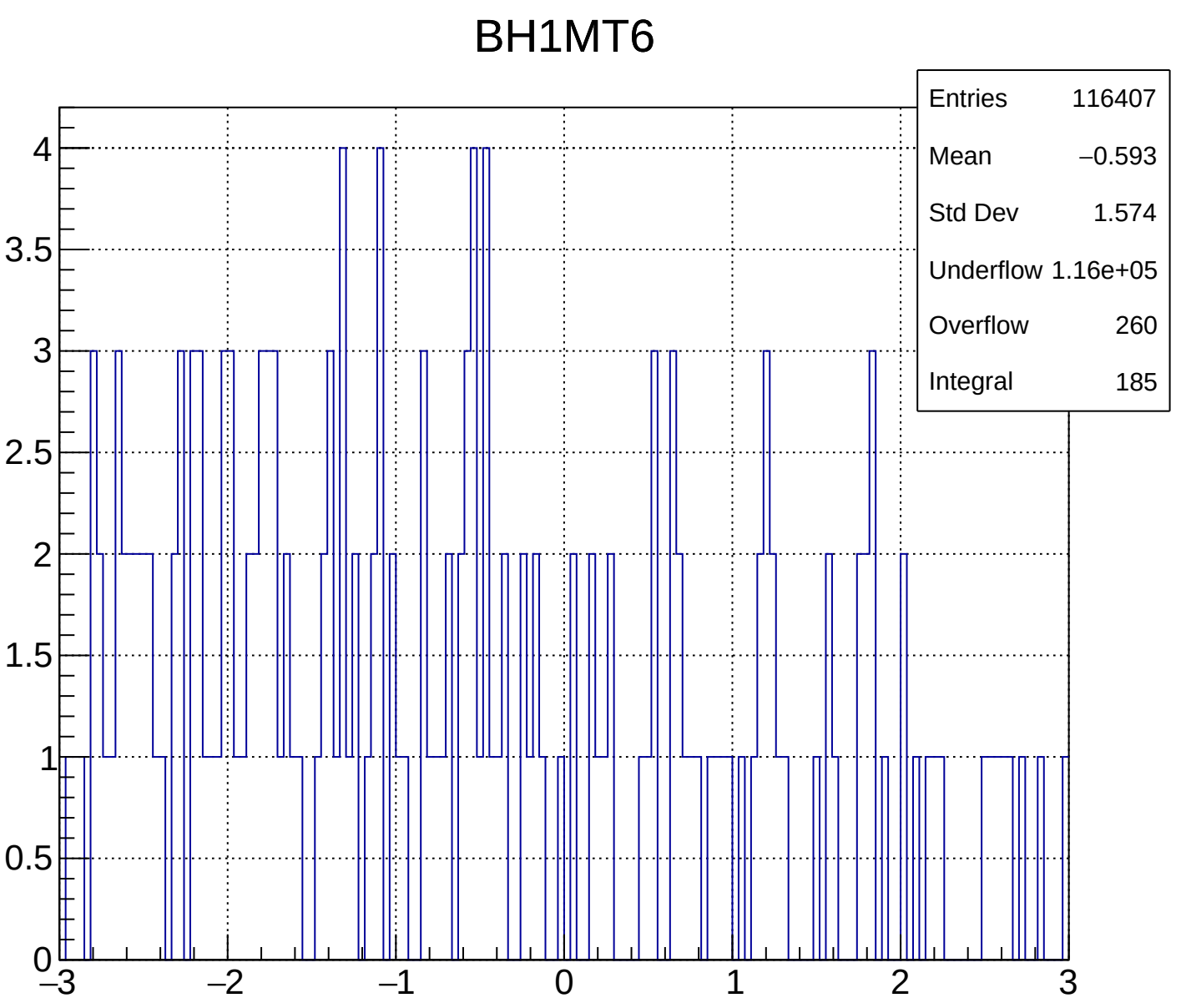

BH1MT1
Entries 11236
Mean –2.539
Std Dev 0
Underflow 1.123e+04
Overflow 2
Integral 1
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

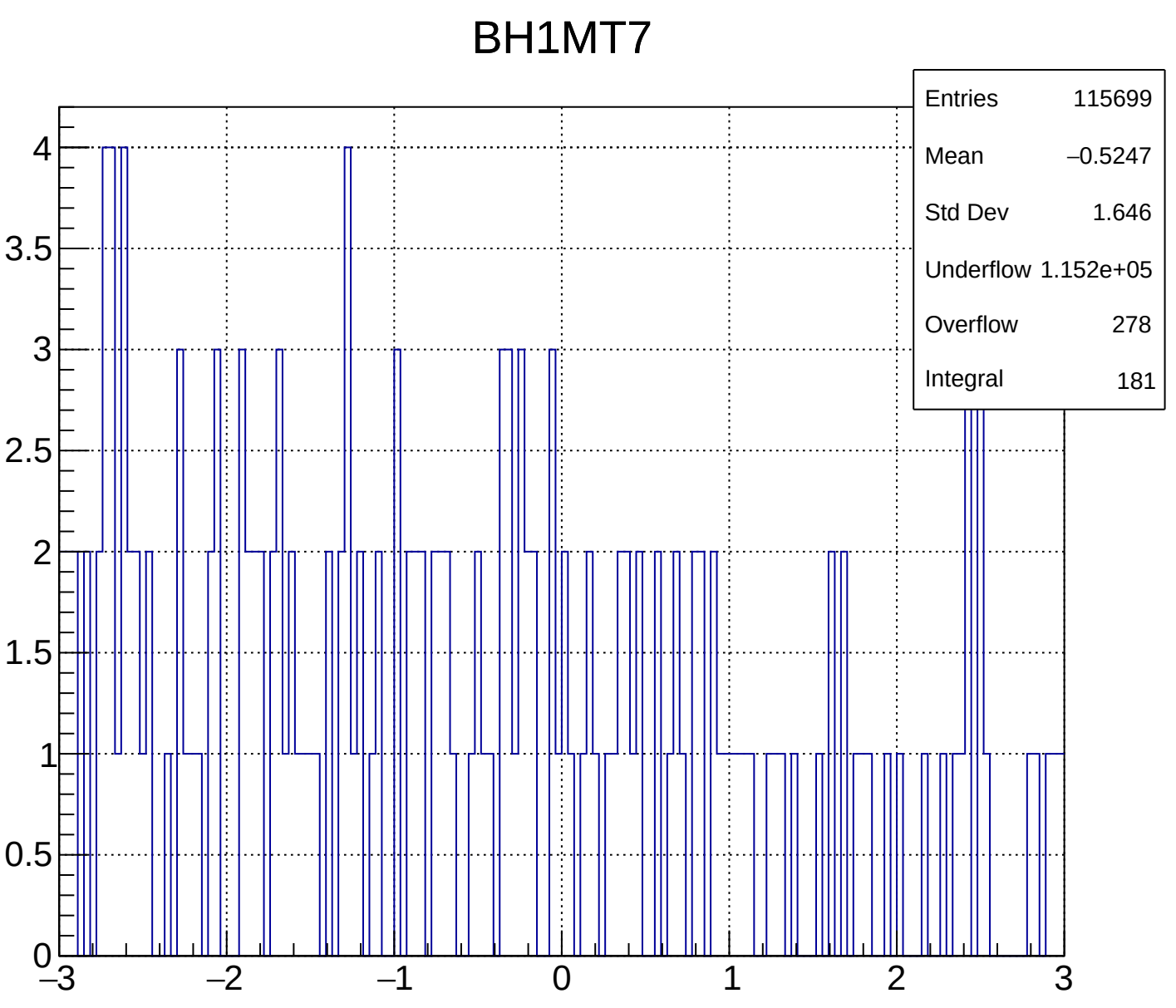

BH1MT2
Entries 23022
Mean 0.161
Std Dev 1.738
Underflow 2.301e+04
Overflow 6
Integral 7
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

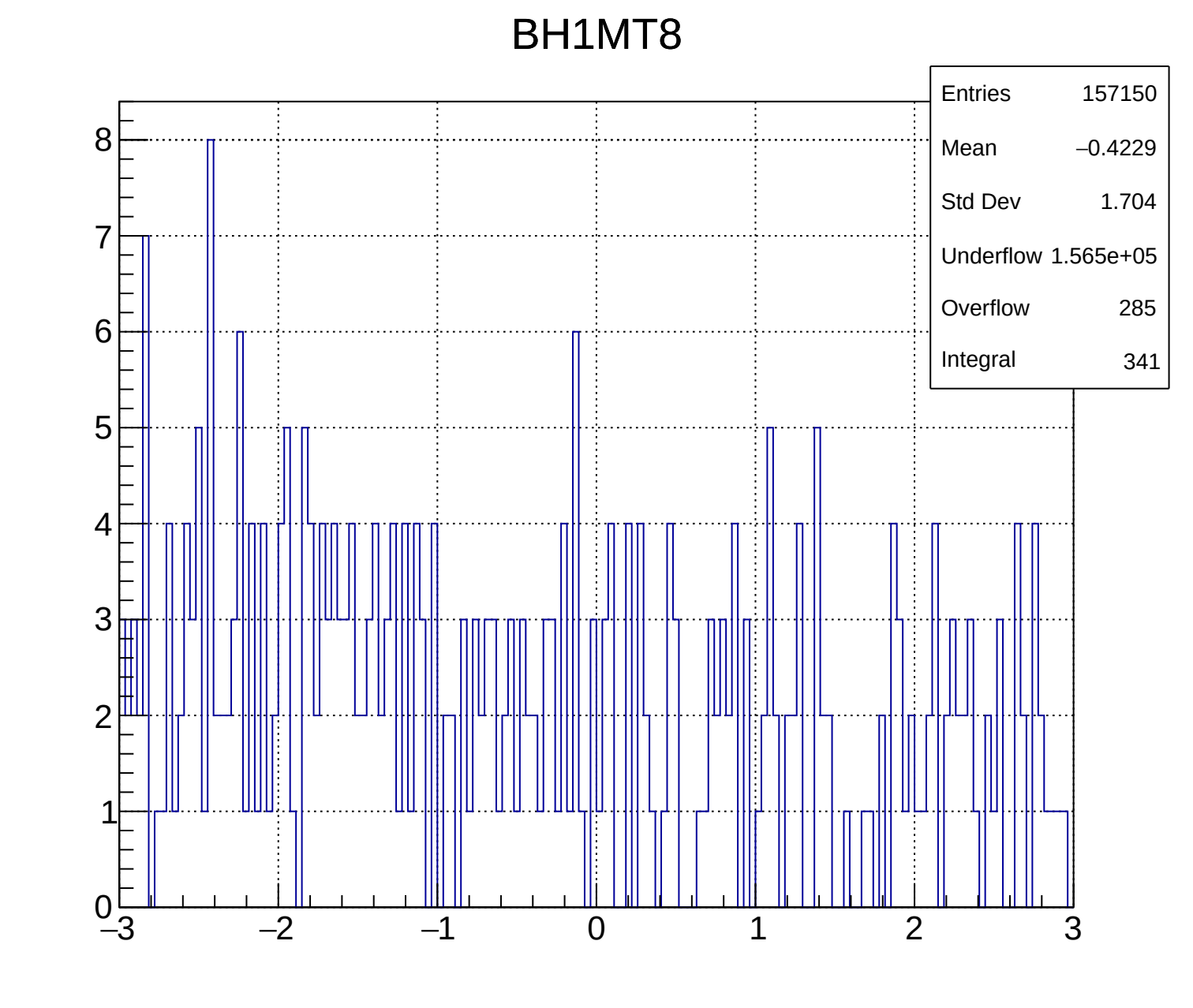

BH1MT3
Entries 65762
Mean −0.46
Std Dev 1.635
Underflow 6.559e+04
Overflow 95
Integral 73
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

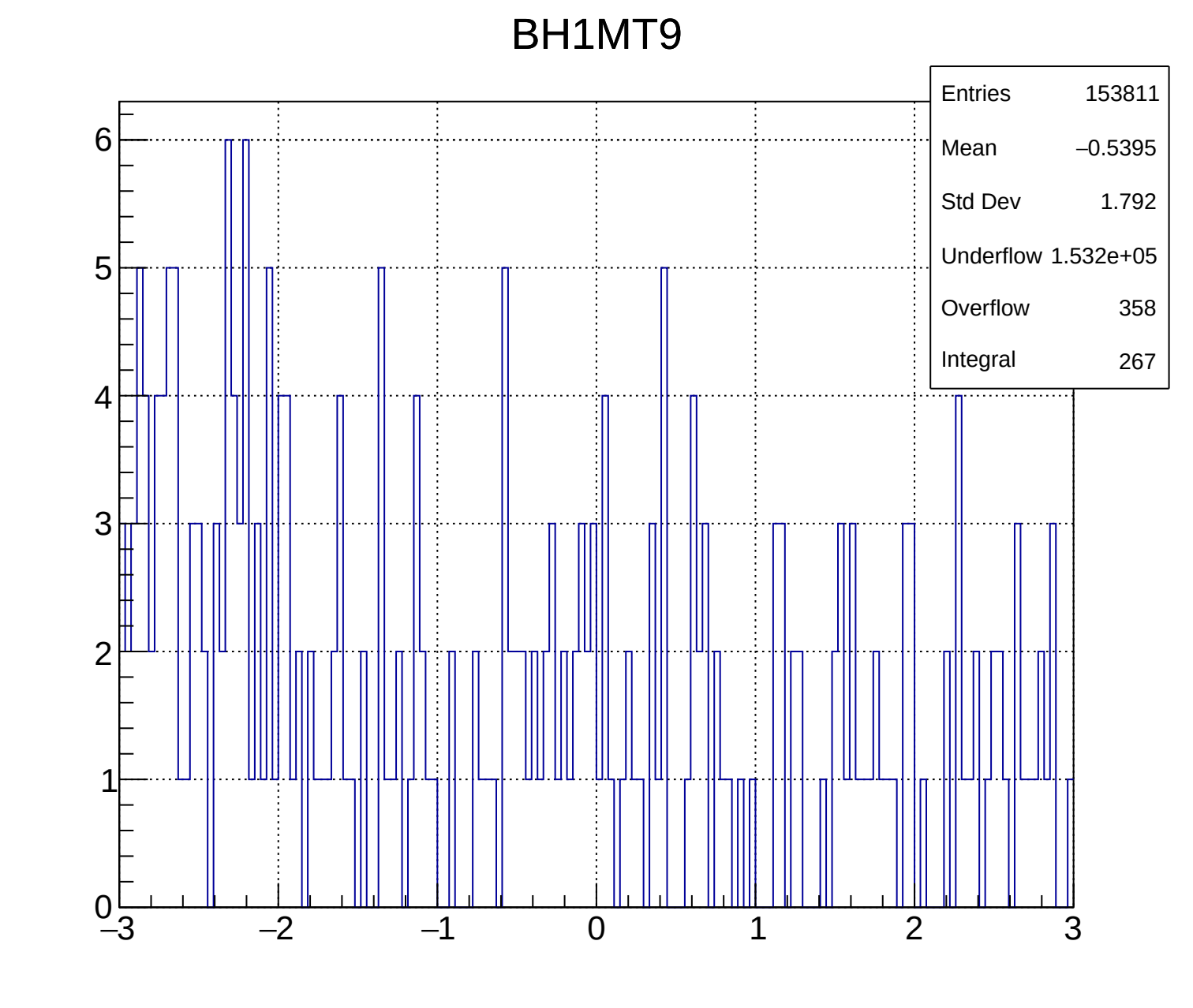

BH1MT4
Entries 118048
Mean –0.3968
Std Dev 1.719
Underflow 1.176e+05
Overflow 200
Integral 223
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

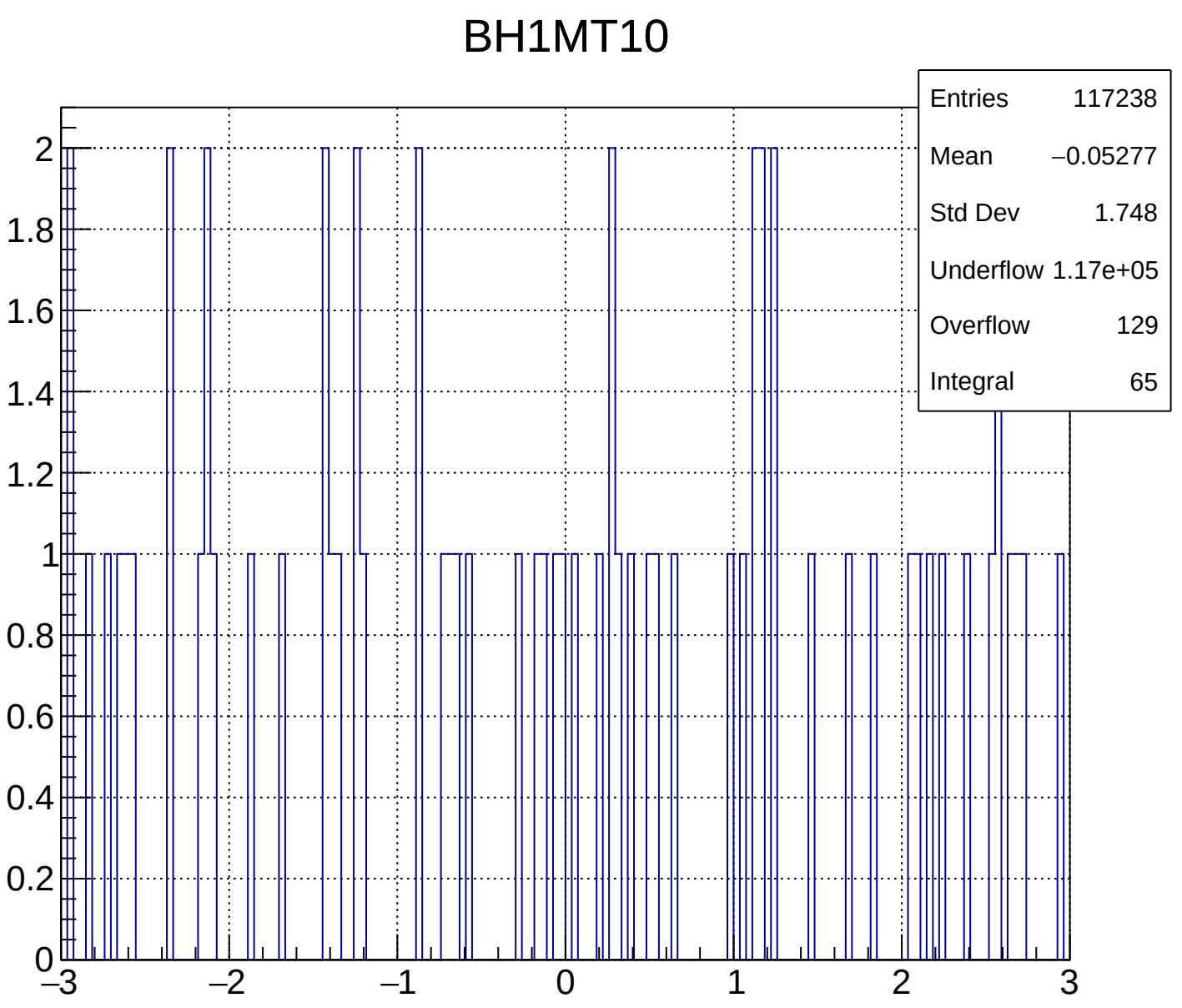

BH1MT5
Entries 100953
Mean –0.6038
Std Dev 1.794
Underflow 1.006e+05
Overflow 220
Integral 139
4
3.5
3
2.5
2
1.5
1
0.5
0
–3
–2
–1
0
1
2
3

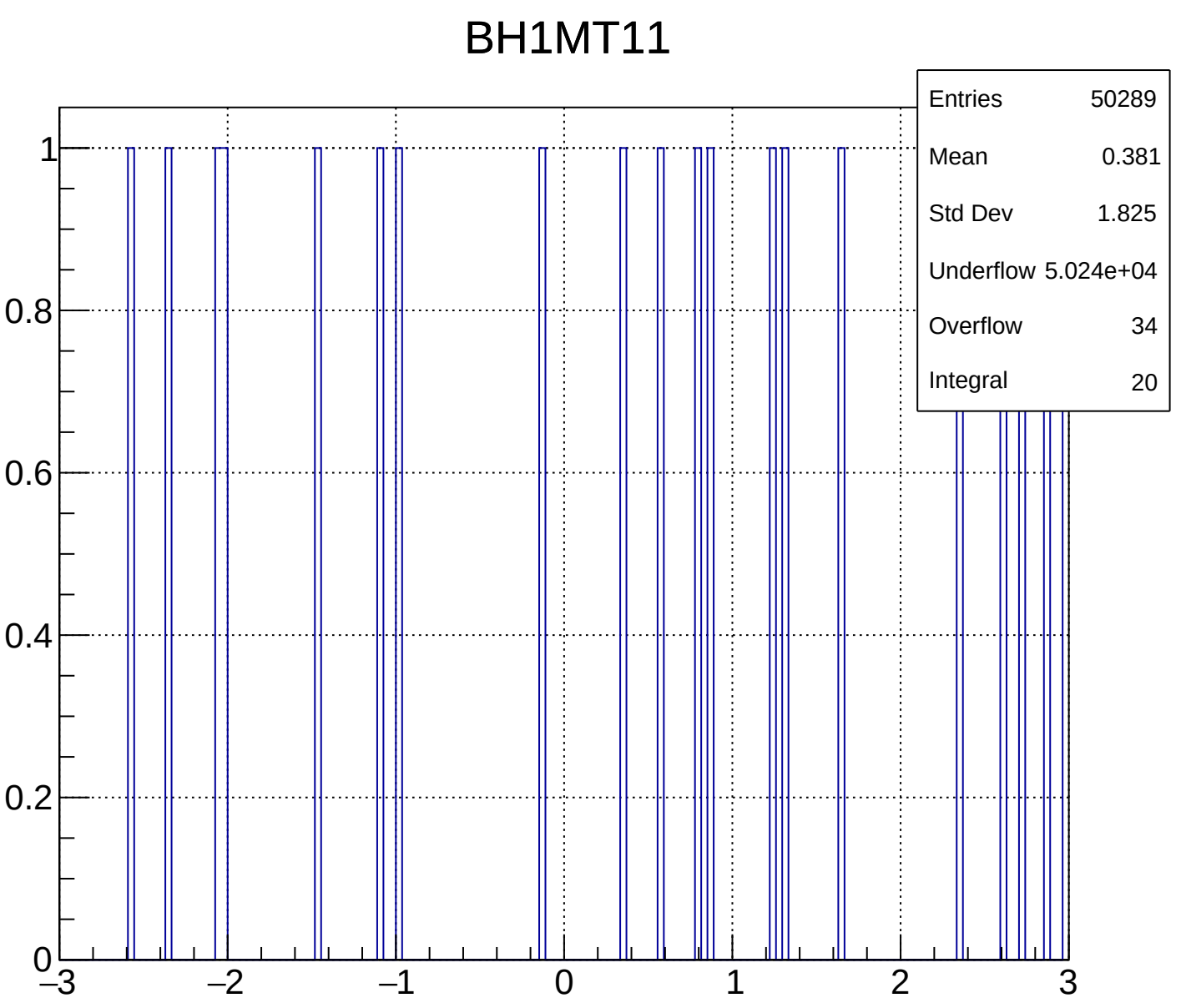

BH1MT6
Entries 116407
Mean −0.593
Std Dev 1.574
Underflow 1.16e+05
Overflow 260
Integral 185
4
3.5
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

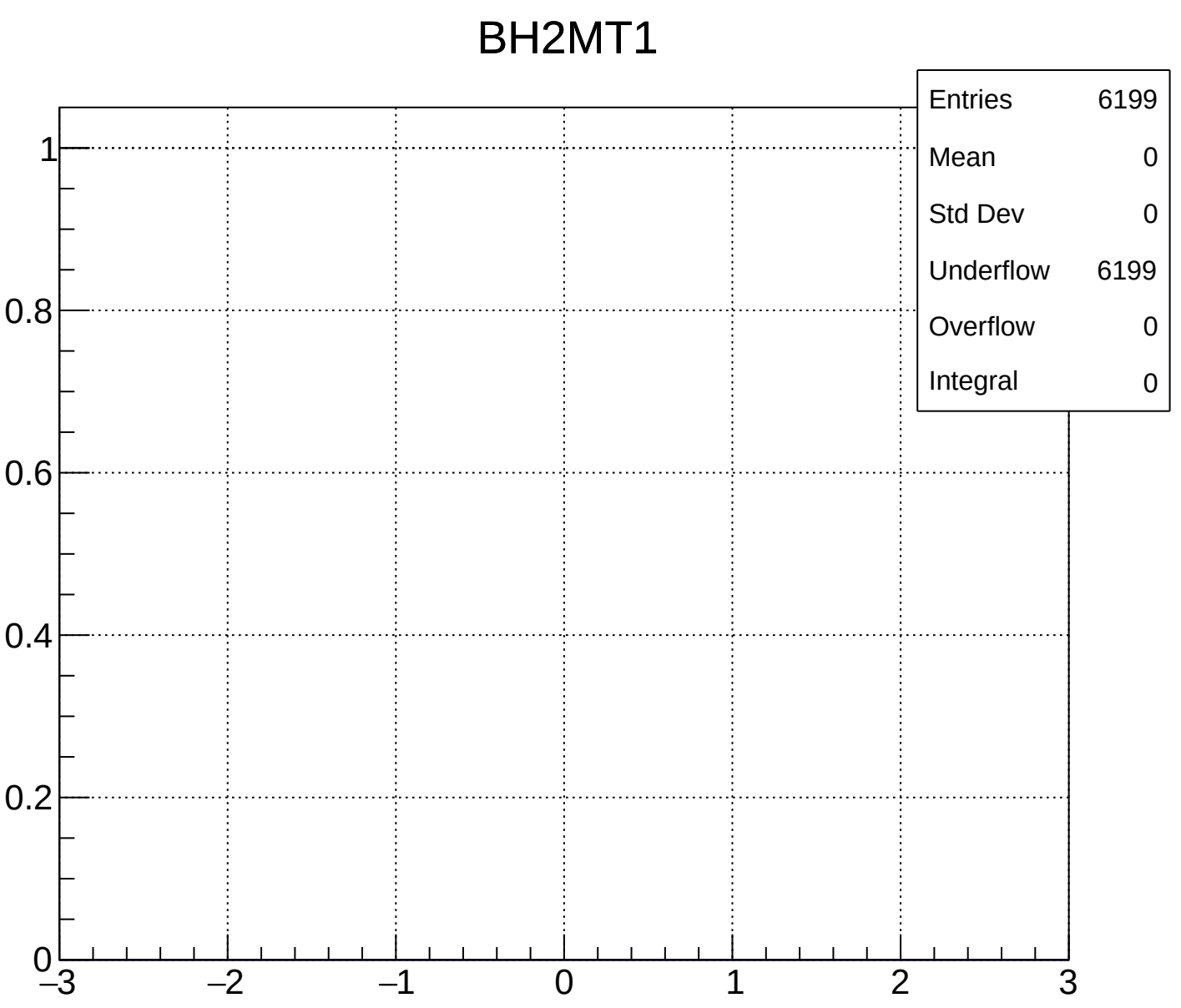

BH1MT7
Entries 115699
Mean –0.5247
Std Dev 1.646
Underflow 1.152e+05
Overflow 278
Integral 181
4
3.5
3
2.5
2
1.5
1
0.5
0
–3
–2
–1
0
1
2
3

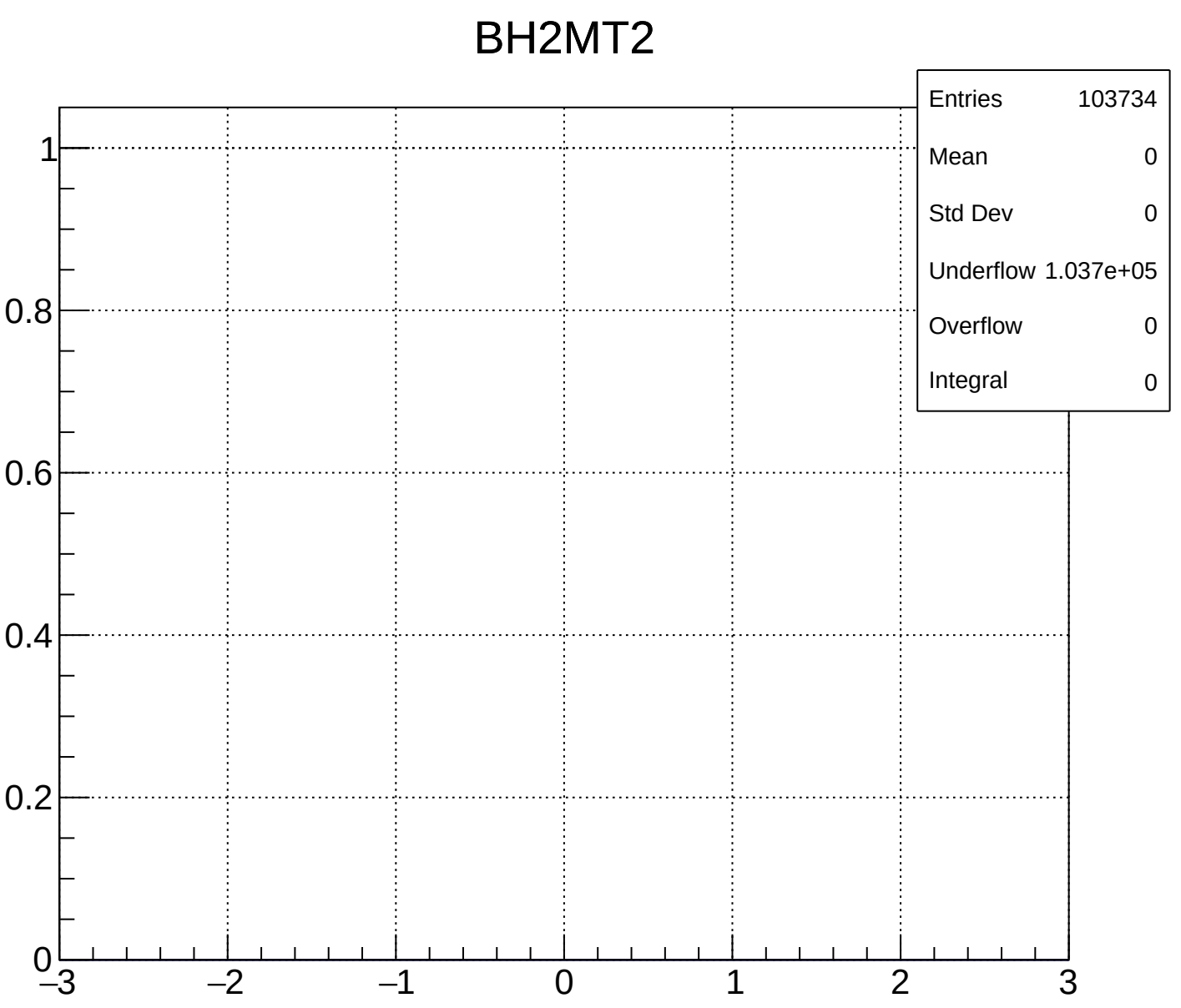

BH1MT8
Entries 157150
Mean –0.4229
Std Dev 1.704
Underflow 1.565e+05
Overflow 285
Integral 341
8
7
6
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

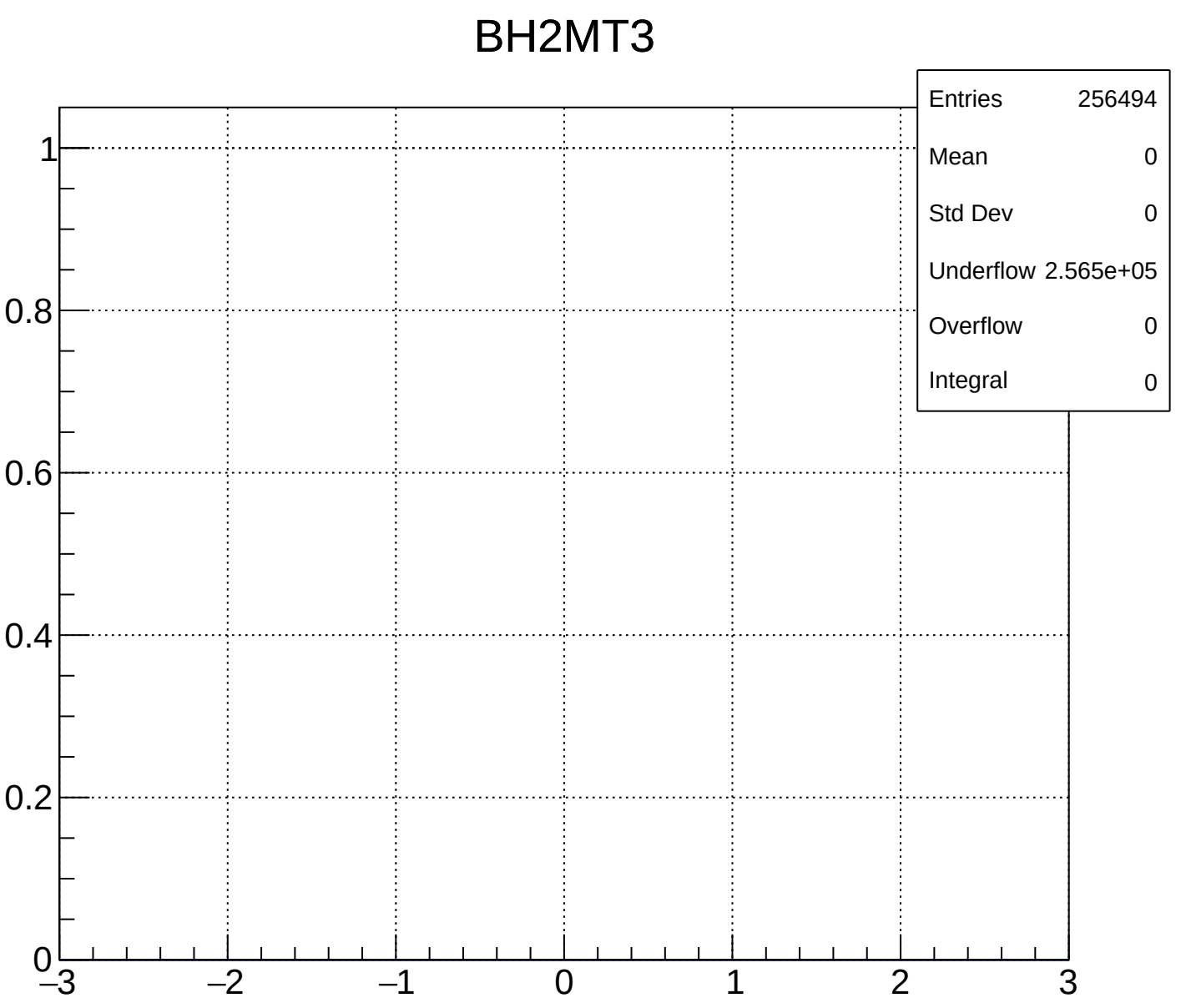

BH1MT9
Entries 153811
Mean –0.5395
Std Dev 1.792
Underflow 1.532e+05
Overflow 358
Integral 267
6
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

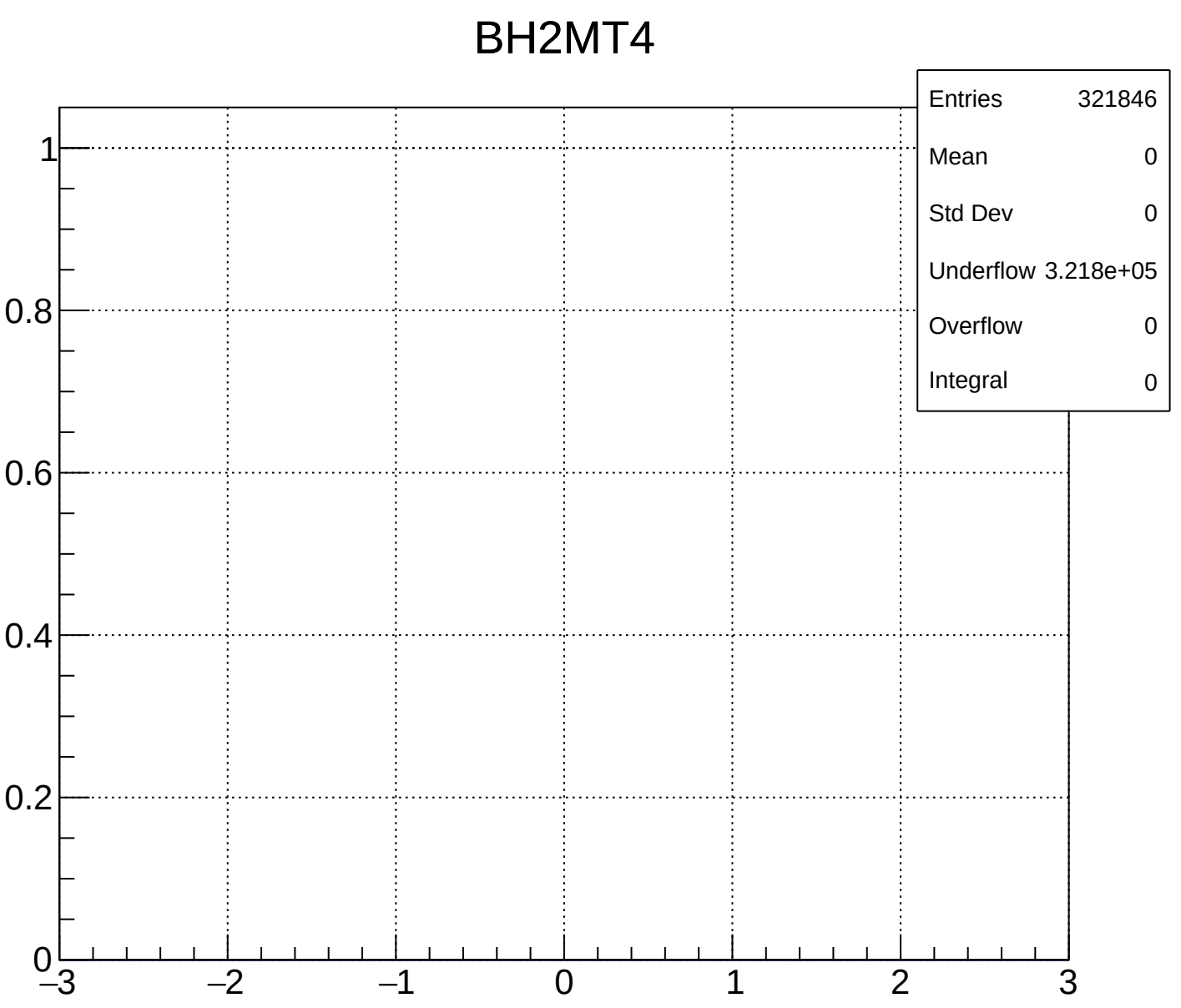

BH1MT10
Entries 117238
Mean −0.05277
Std Dev 1.748
Underflow 1.17e+05
Overflow 129
Integral 65
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

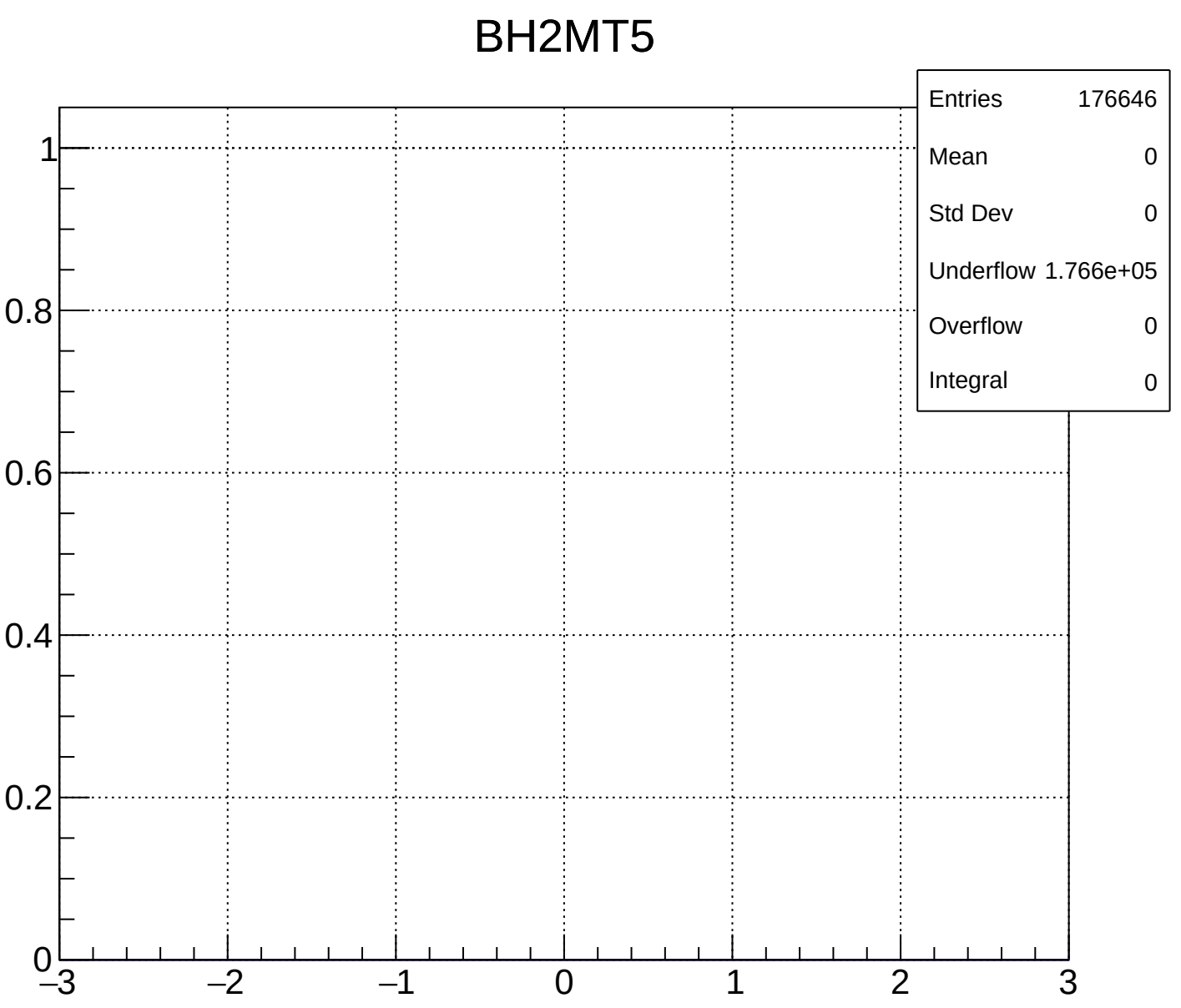

BH1MT11
Entries 50289
Mean 0.381
Std Dev 1.825
Underflow 5.024e+04
Overflow 34
Integral 20
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

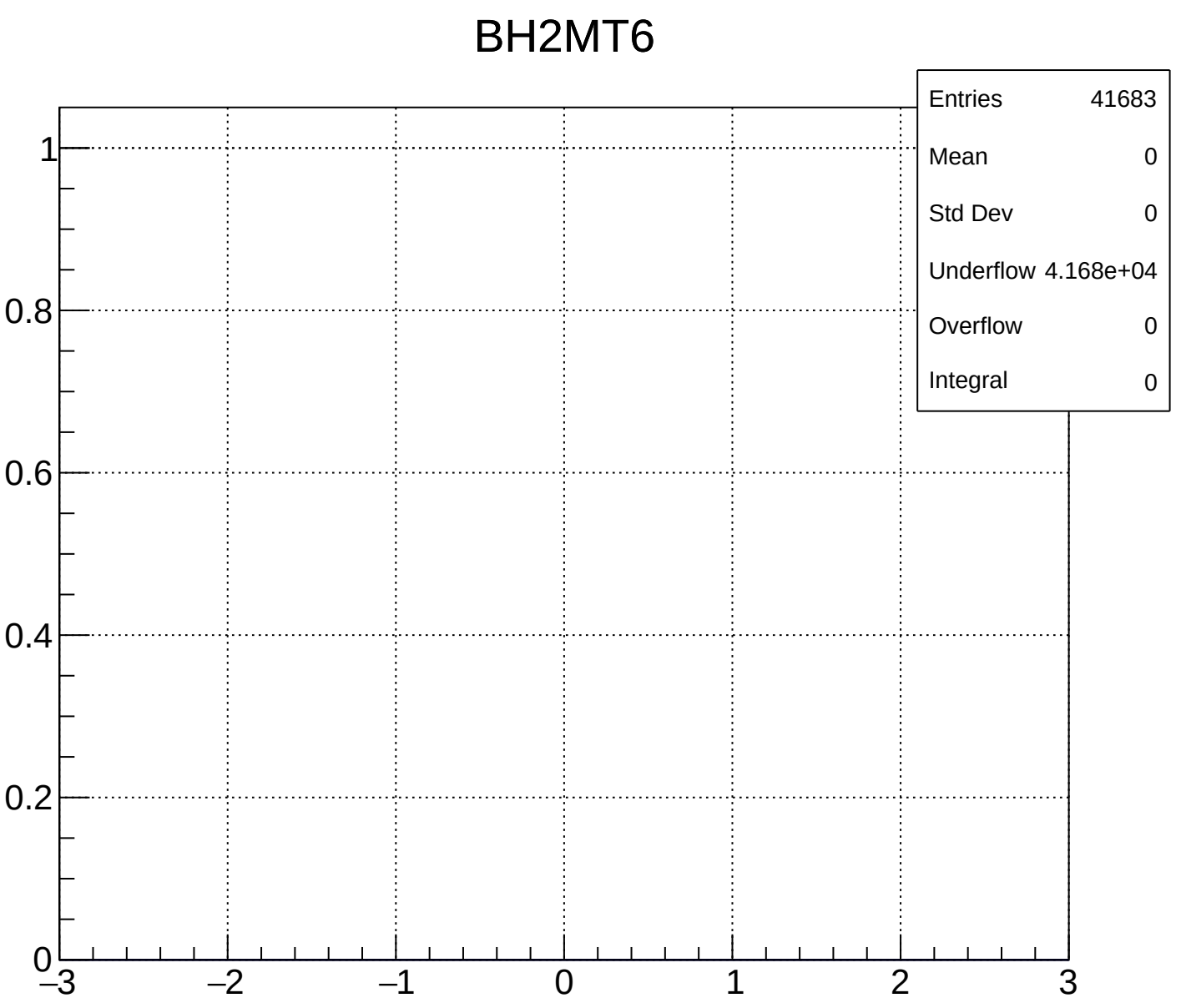

BH2MT1
Entries 6199
Mean 0
Std Dev 0
Underflow 6199
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

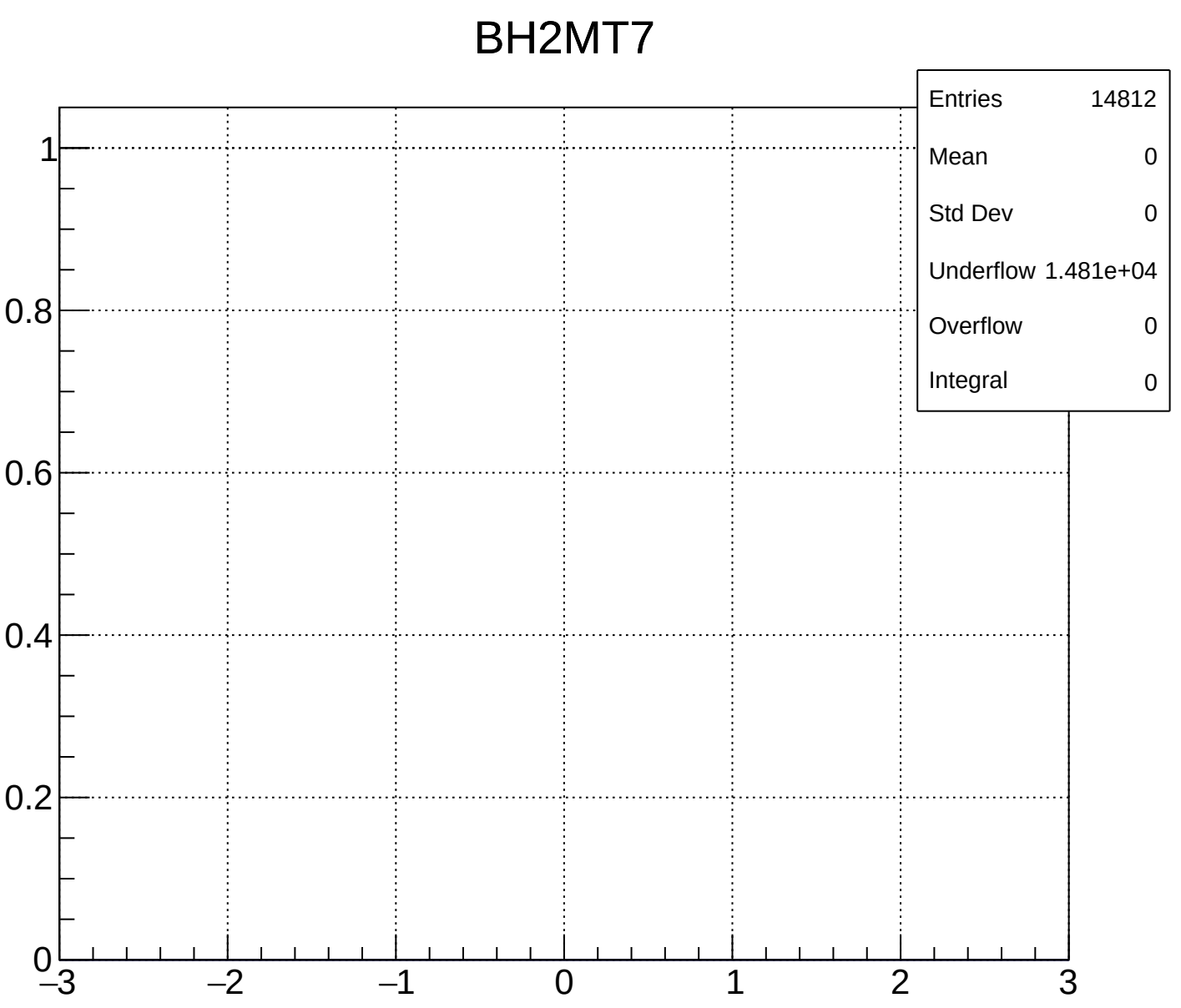

BH2MT2
Entries 103734
Mean 0
Std Dev 0
Underflow 1.037e+05
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

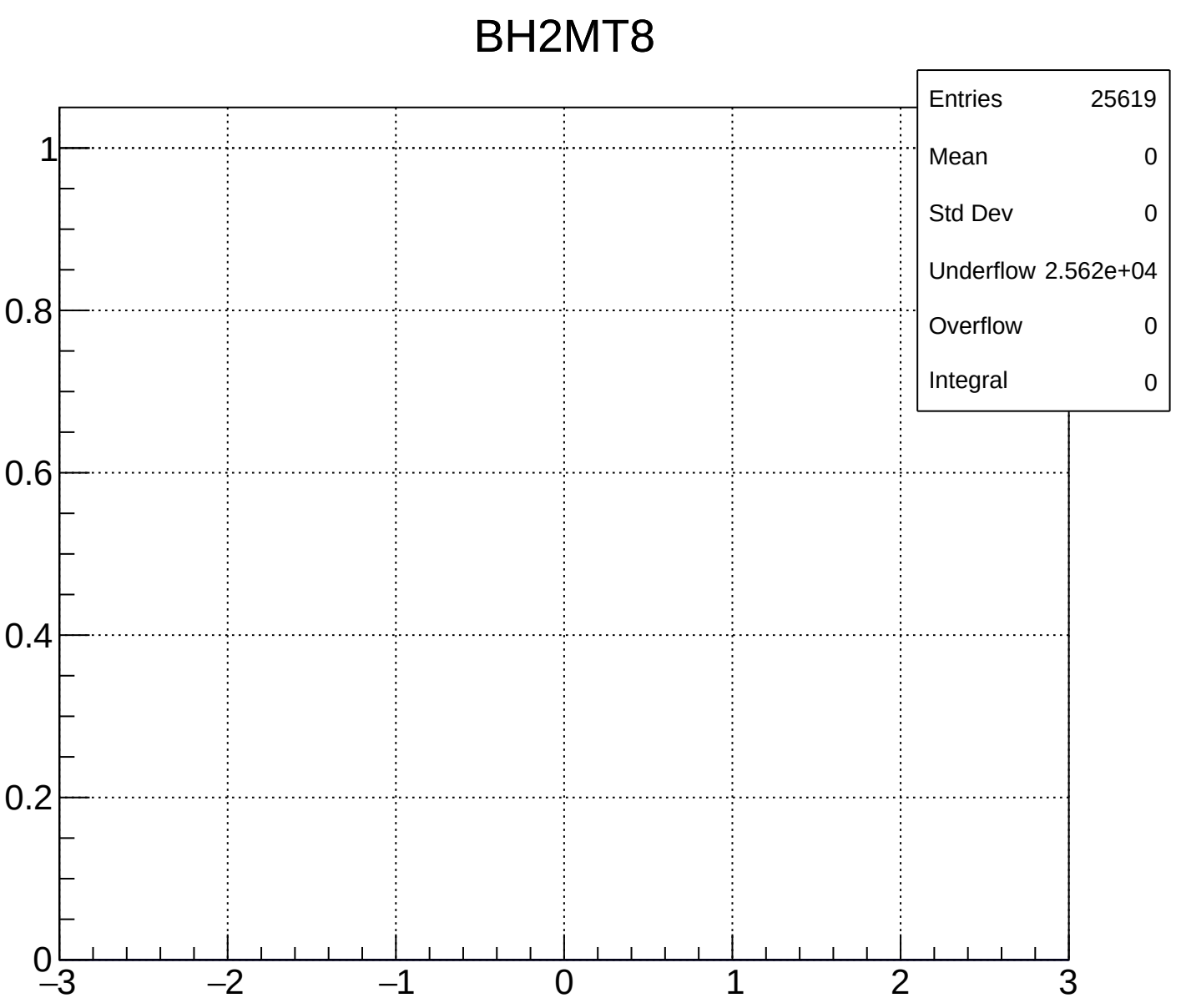

BH2MT3
Entries 256494
Mean 0
Std Dev 0
Underflow 2.565e+05
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

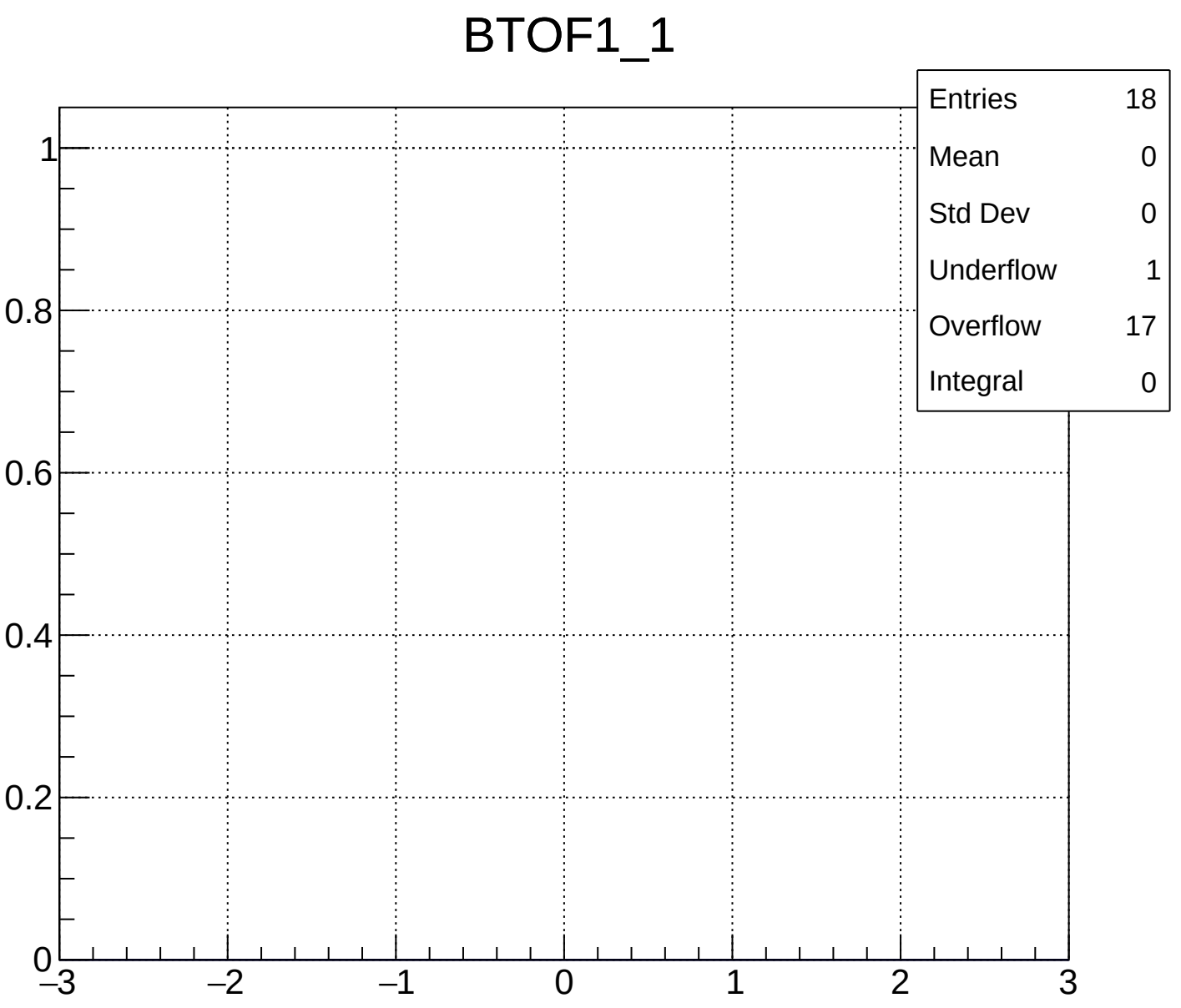

BH2MT4
Entries 321846
Mean 0
Std Dev 0
Underflow 3.218e+05
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

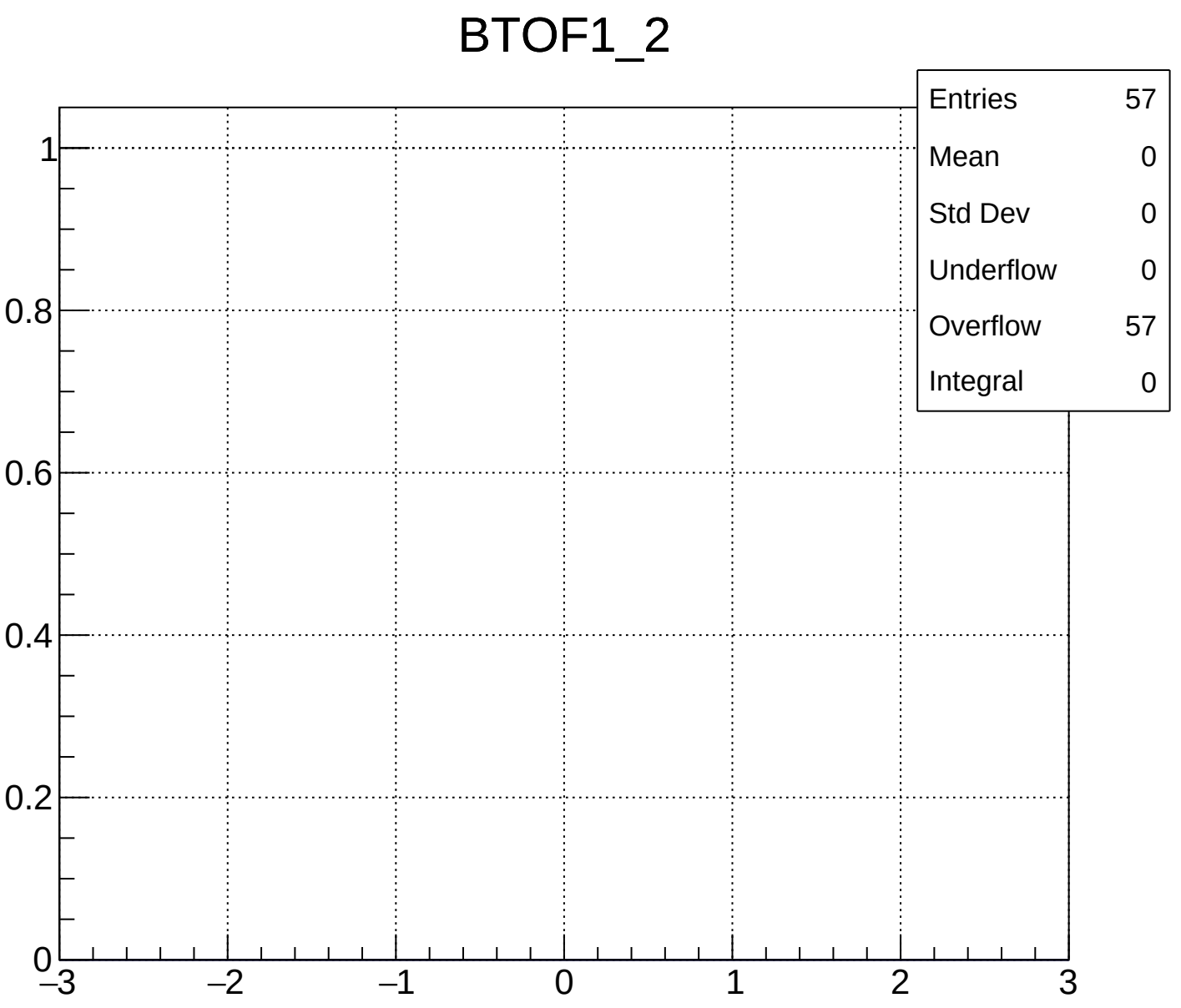

BH2MT5
Entries 176646
Mean 0
Std Dev 0
Underflow 1.766e+05
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

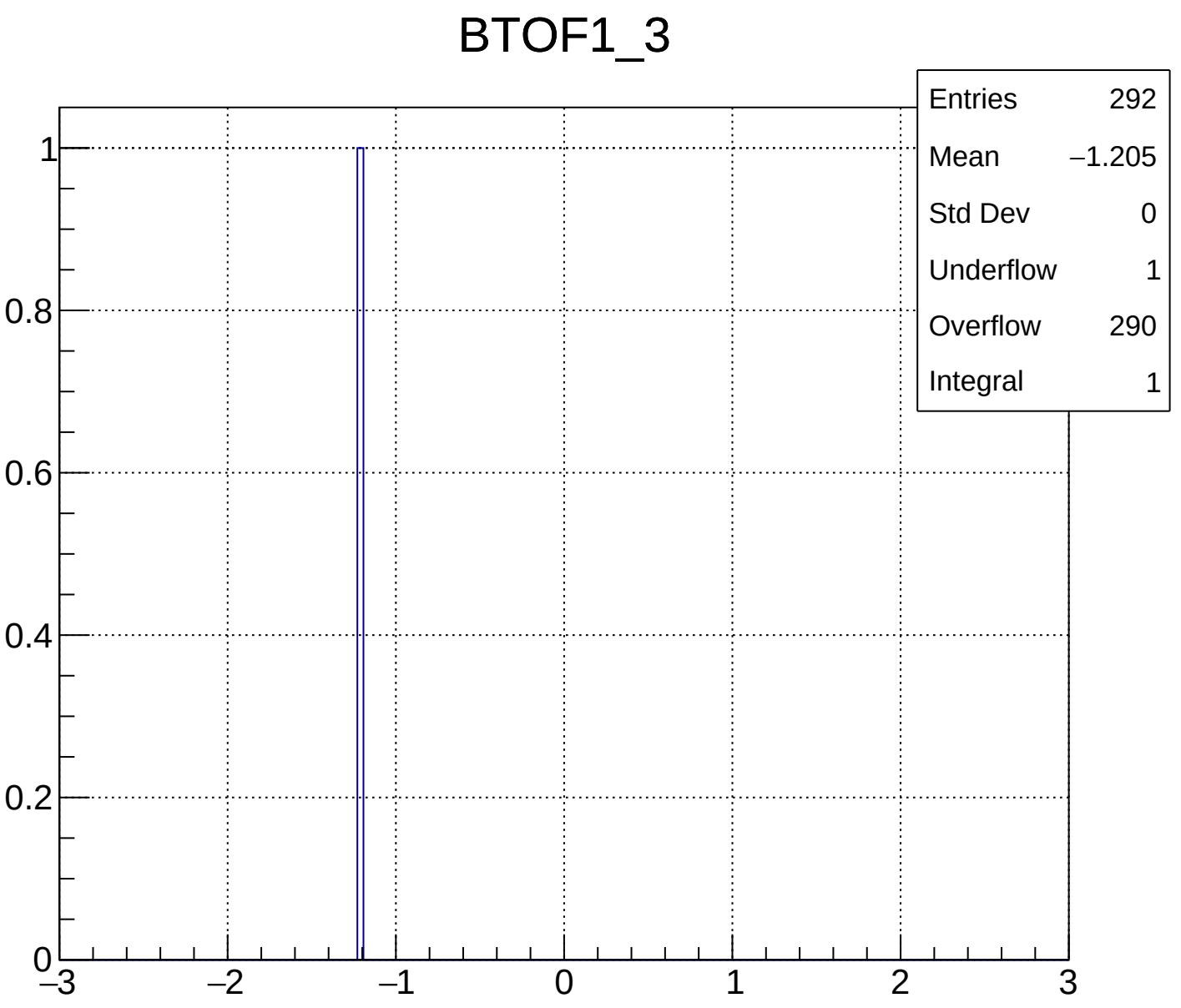

BH2MT6
Entries 41683
Mean 0
Std Dev 0
Underflow 4.168e+04
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

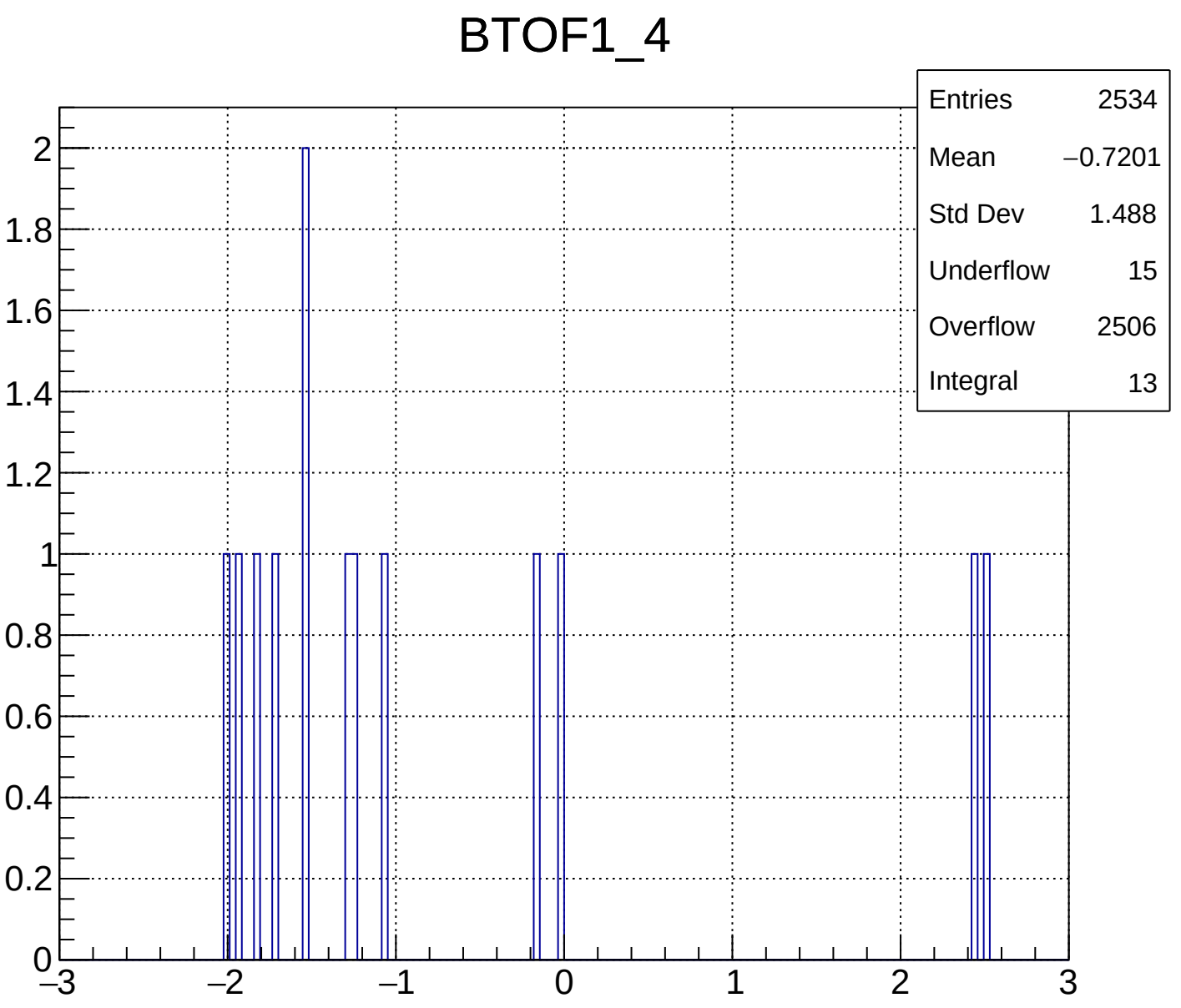

BH2MT7
Entries 14812
Mean 0
Std Dev 0
Underflow 1.481e+04
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

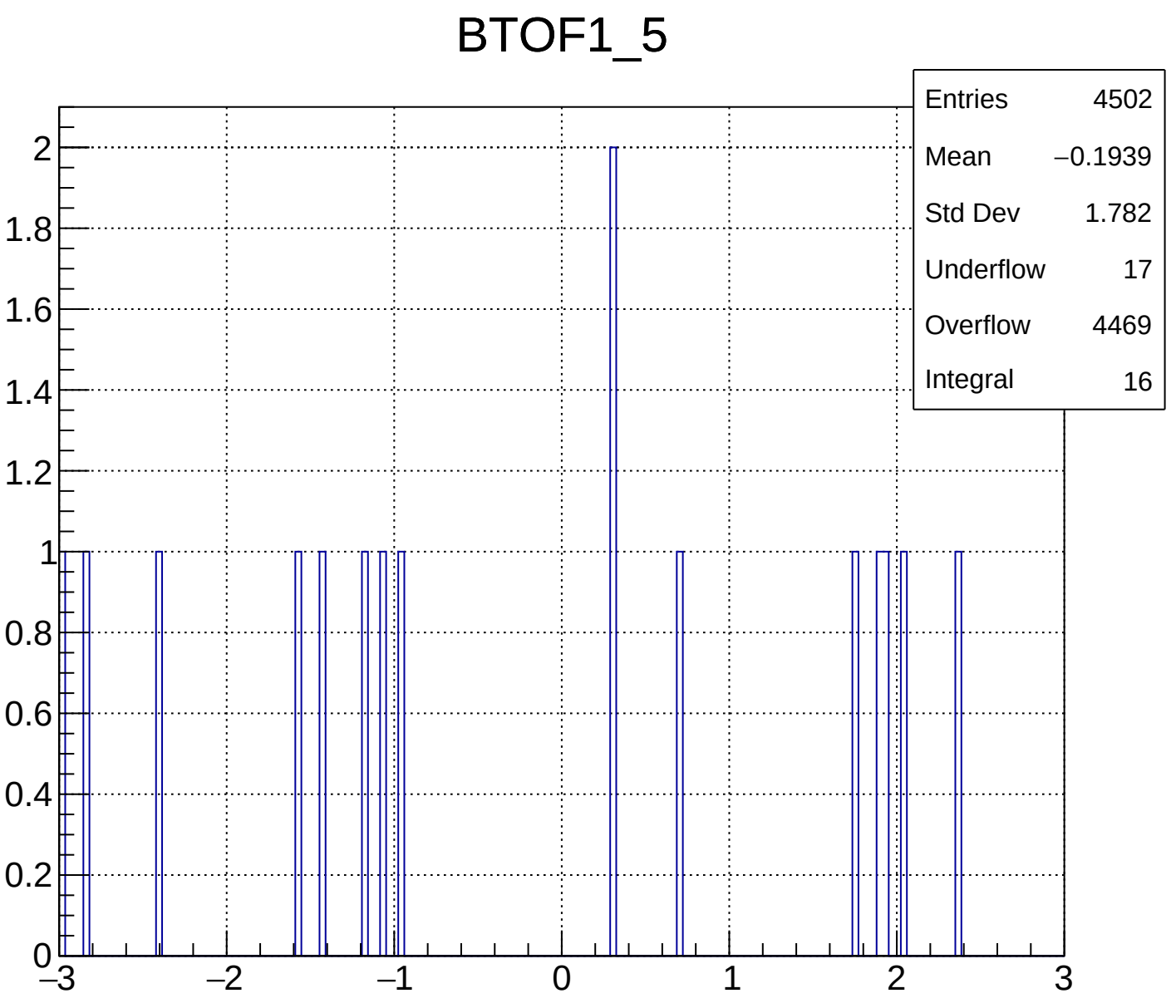

BH2MT8
Entries 25619
Mean 0
Std Dev 0
Underflow 2.562e+04
Overflow 0
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

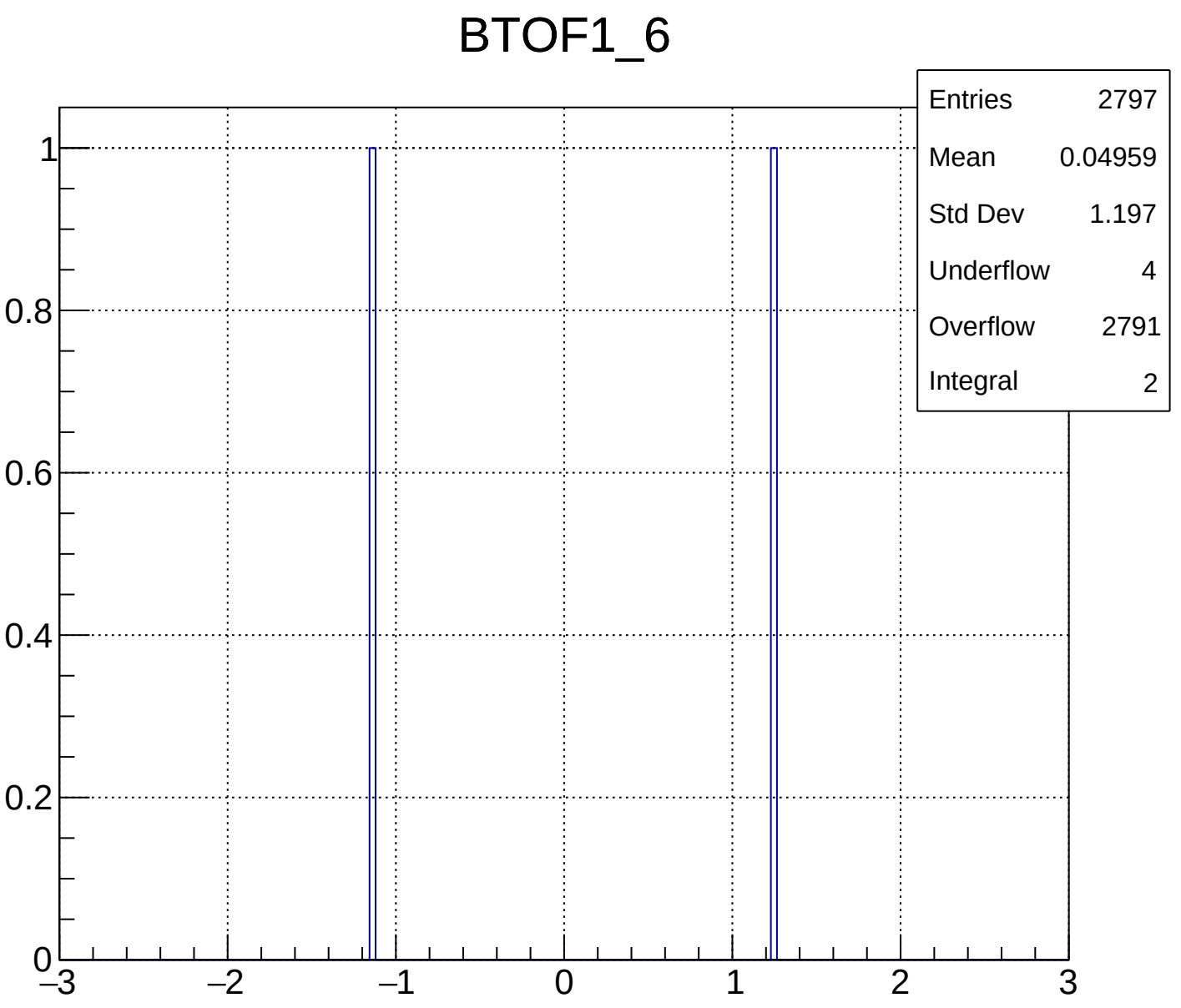

BTOF1_1
Entries 18
Mean 0
Std Dev 0
Underflow 1
Overflow 17
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

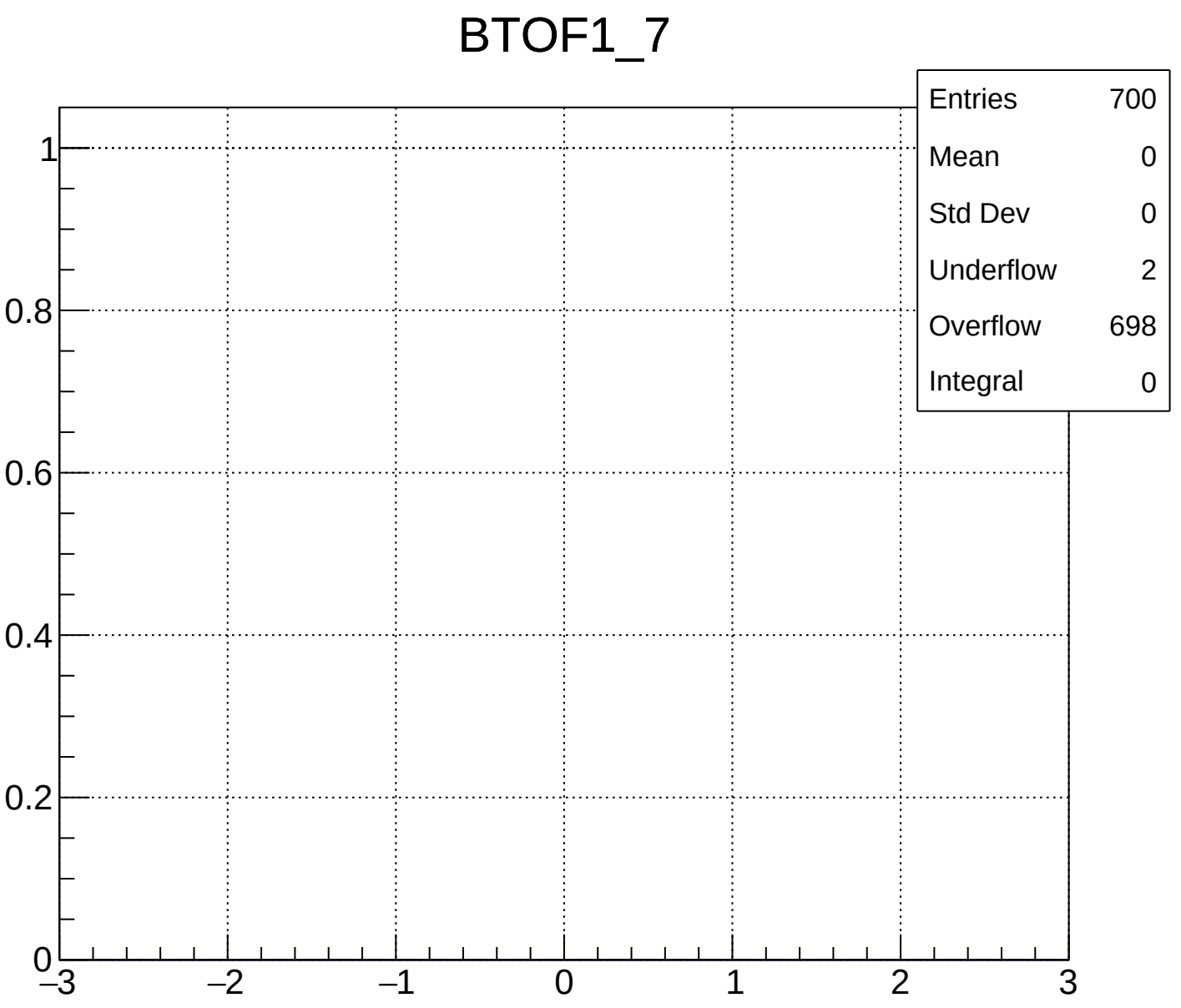

BTOF1_2
Entries 57
Mean 0
Std Dev 0
Underflow 0
Overflow 57
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

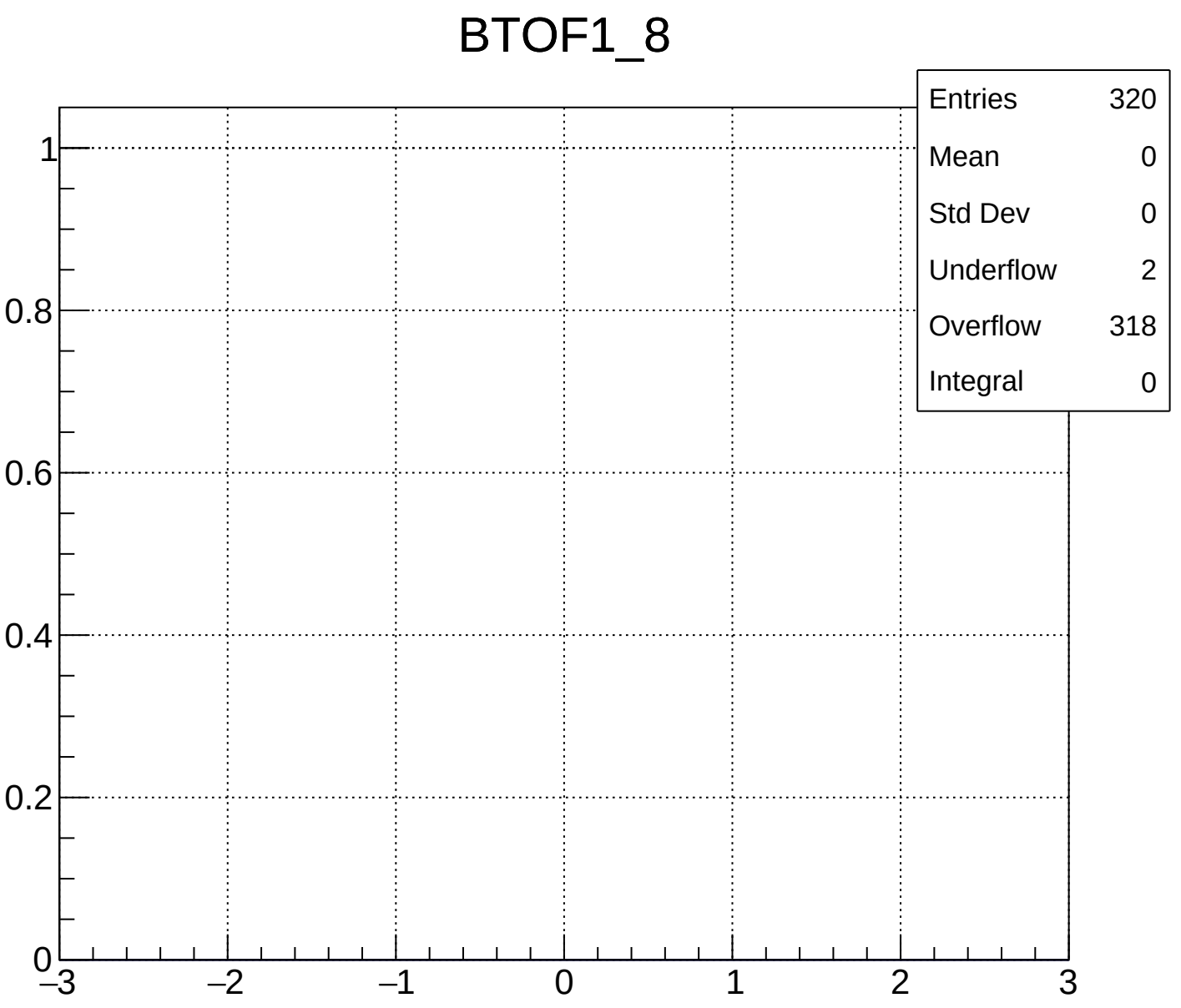

BTOF1_3
Entries 292
Mean –1.205
Std Dev 0
Underflow 1
Overflow 290
Integral 1
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

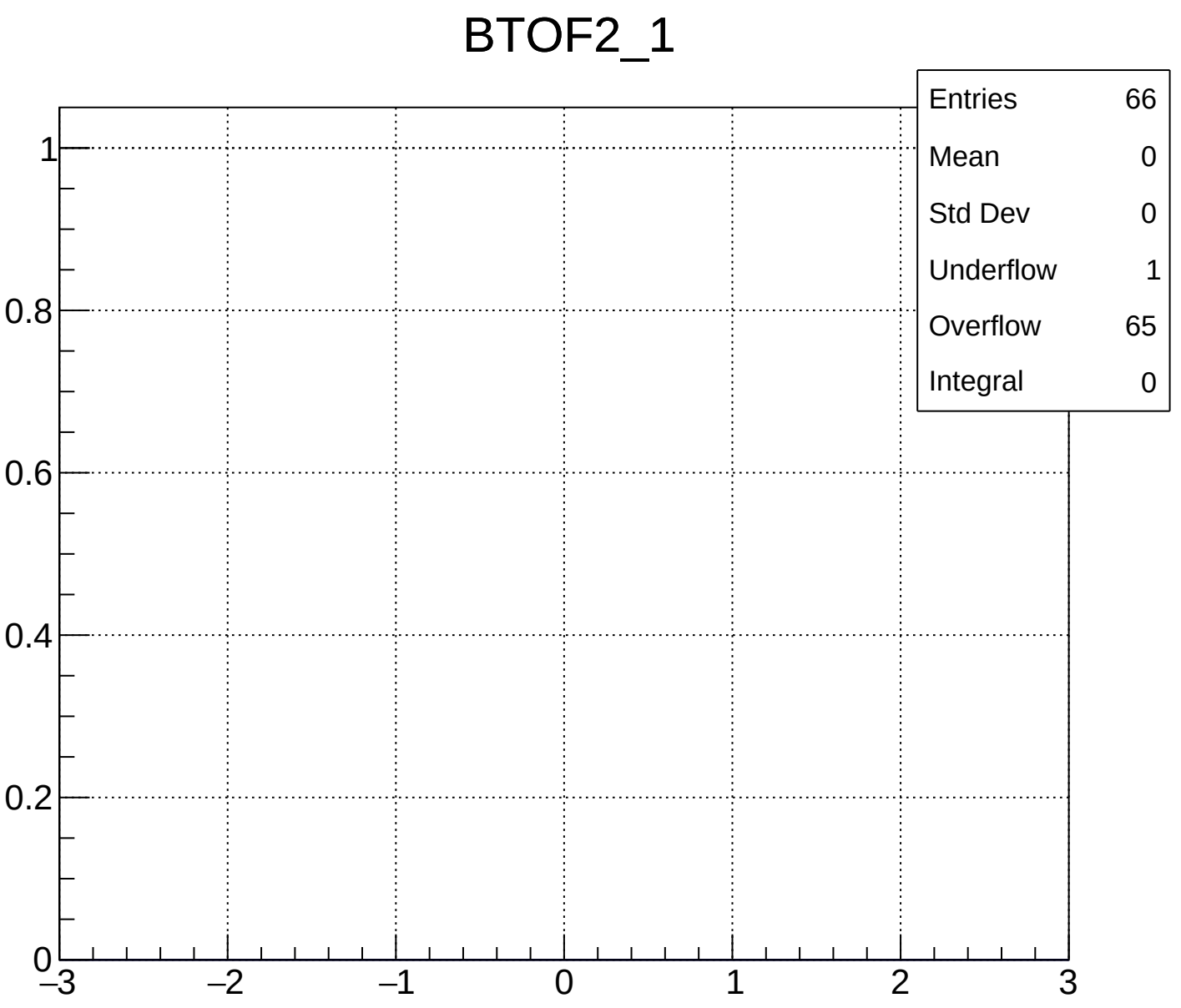

BTOF1_4
Entries 2534
Mean −0.7201
Std Dev 1.488
Underflow 15
Overflow 2506
Integral 13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

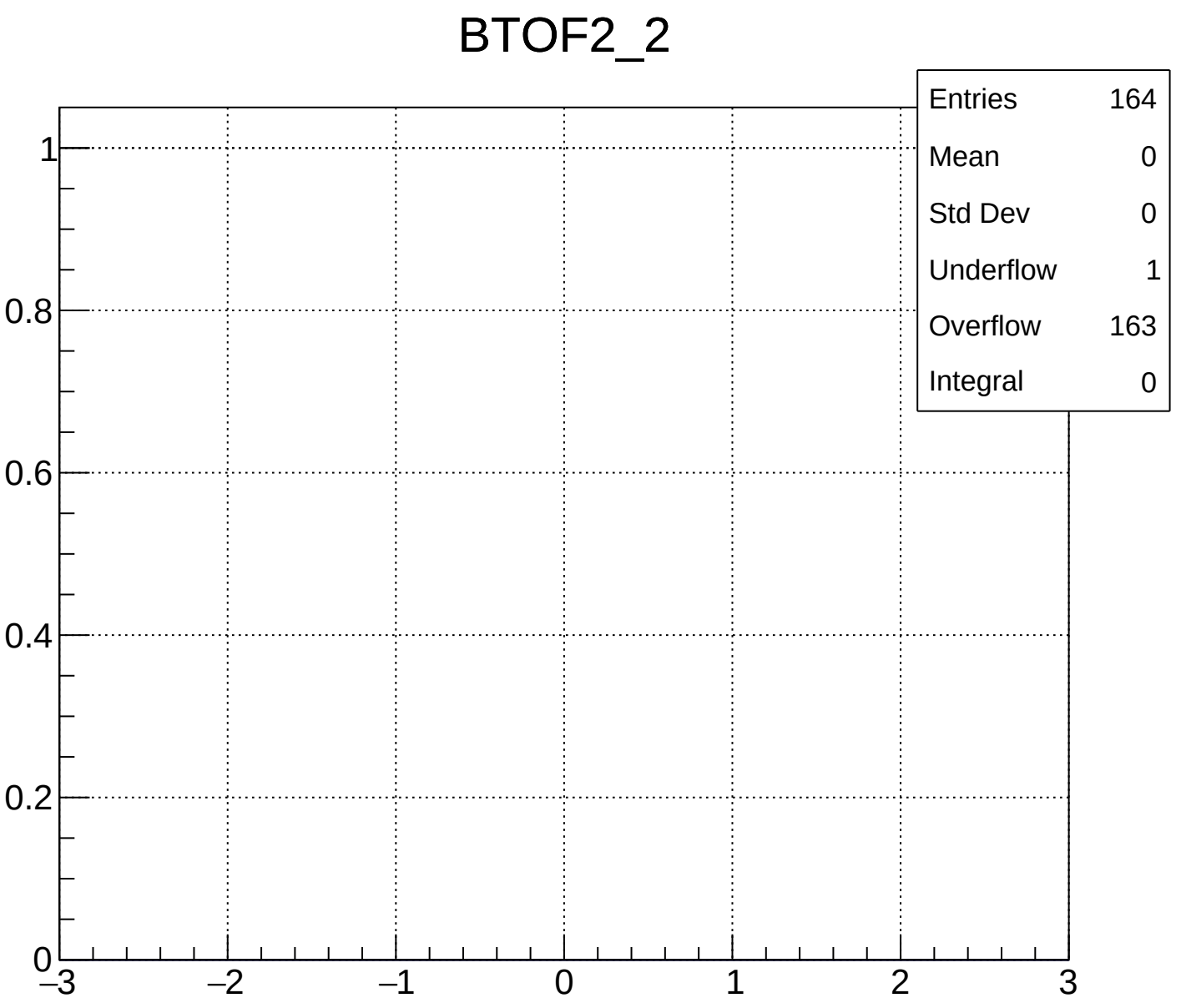

BTOF1_5
Entries 4502
Mean −0.1939
Std Dev 1.782
Underflow 17
Overflow 4469
Integral 16
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

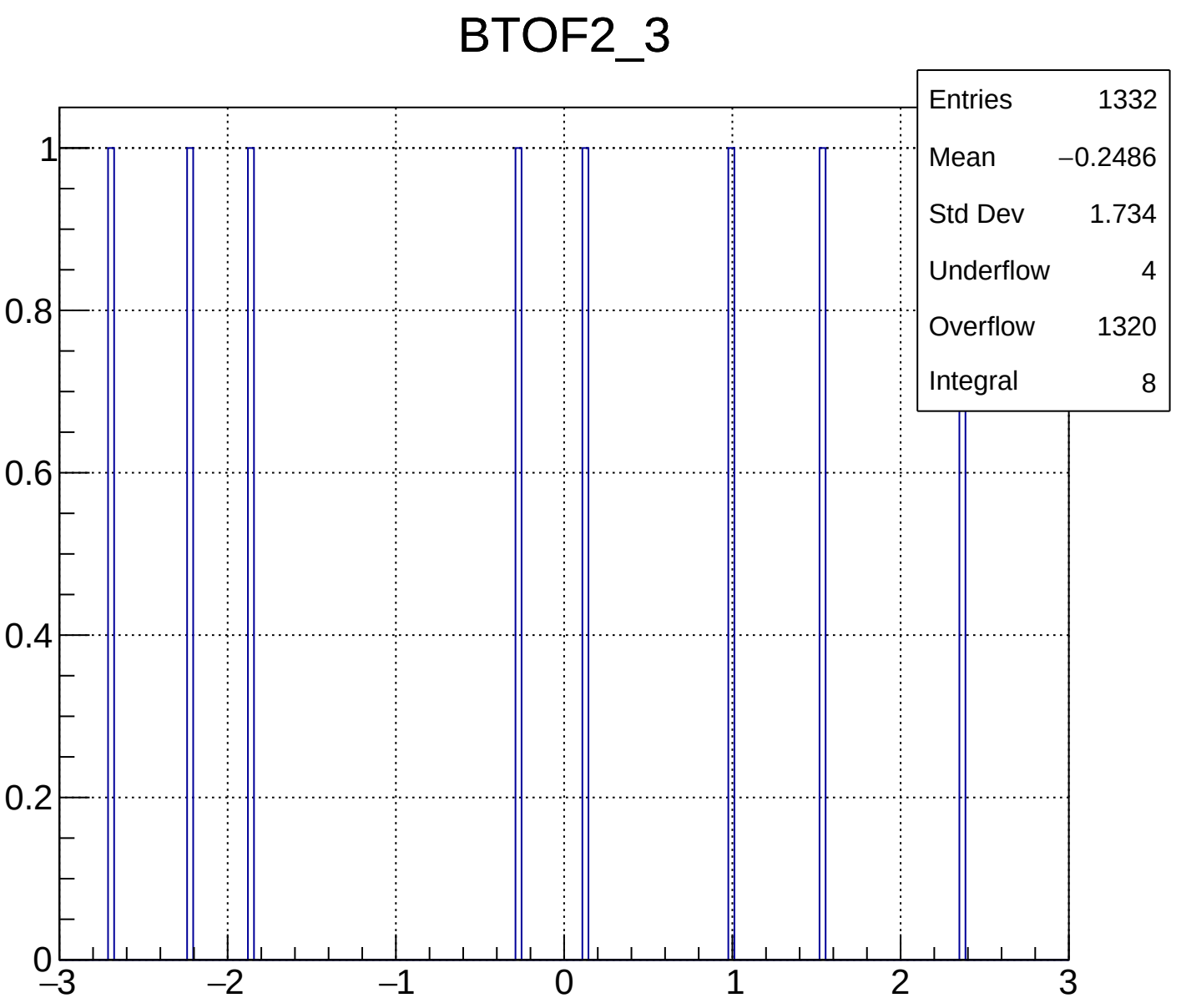

BTOF1_6
Entries 2797
Mean 0.04959
Std Dev 1.197
Underflow 4
Overflow 2791
Integral 2
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

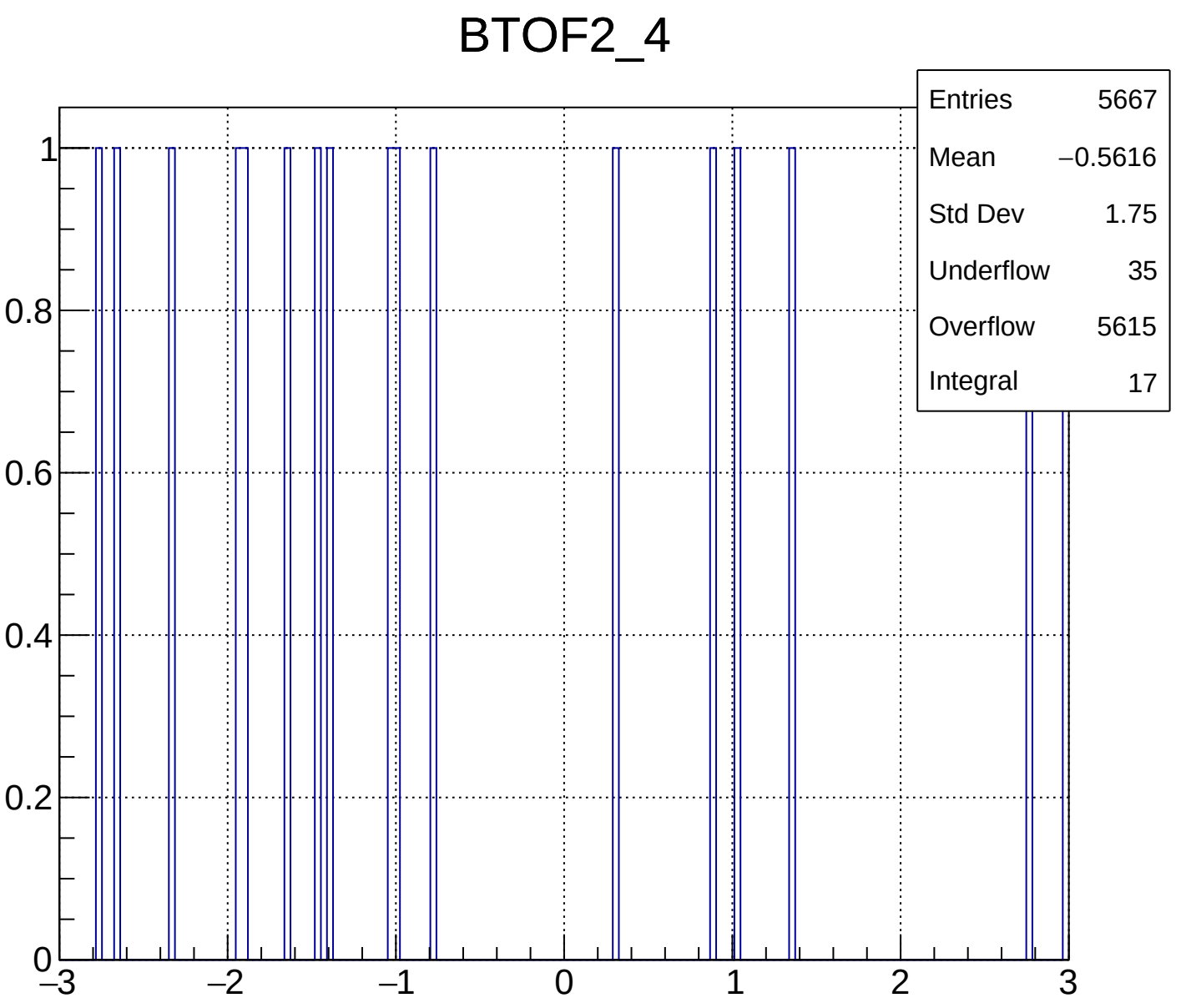

BTOF1_7
Entries 700
Mean 0
Std Dev 0
Underflow 2
Overflow 698
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

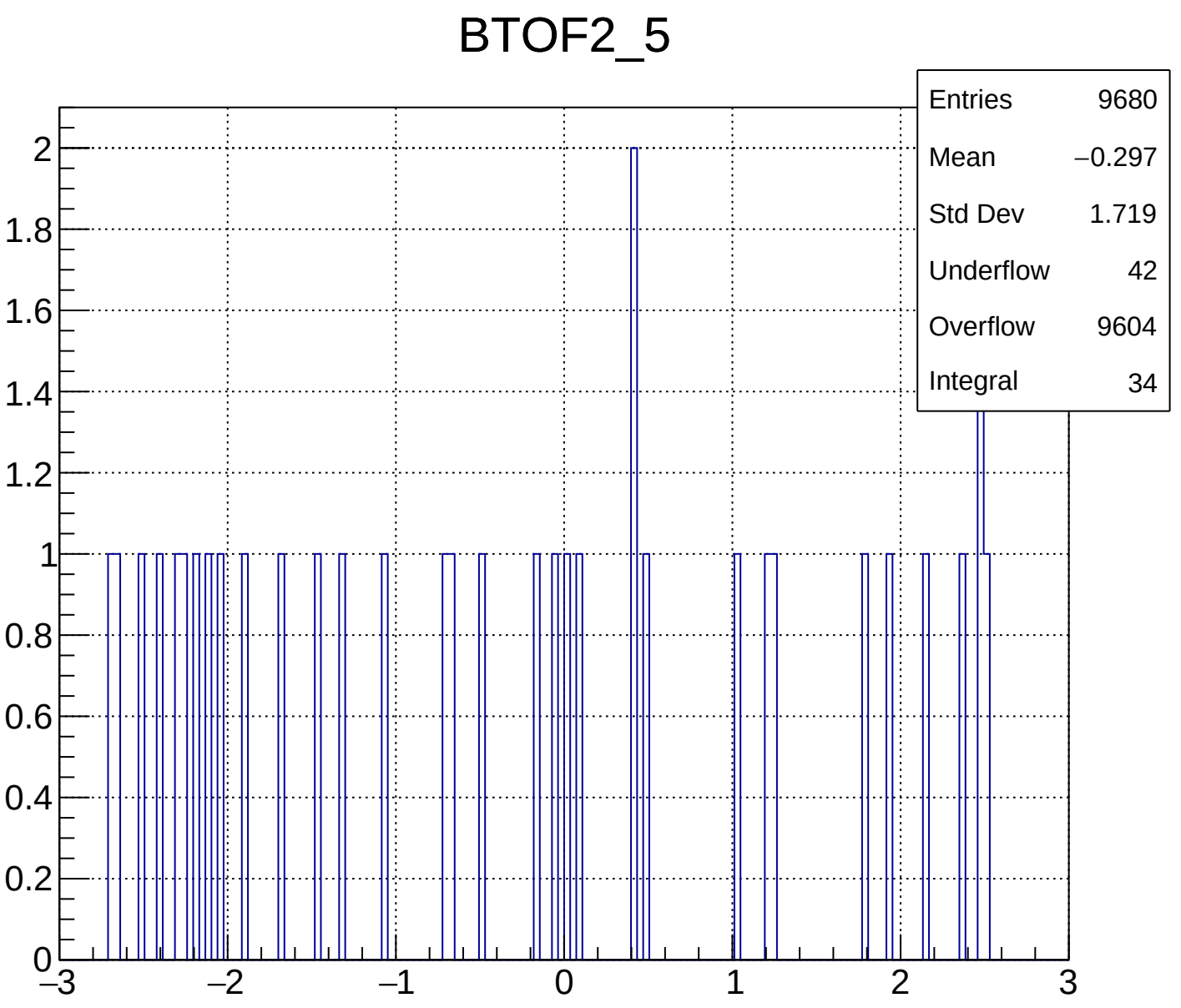

BTOF1_8
Entries 320
Mean 0
Std Dev 0
Underflow 2
Overflow 318
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

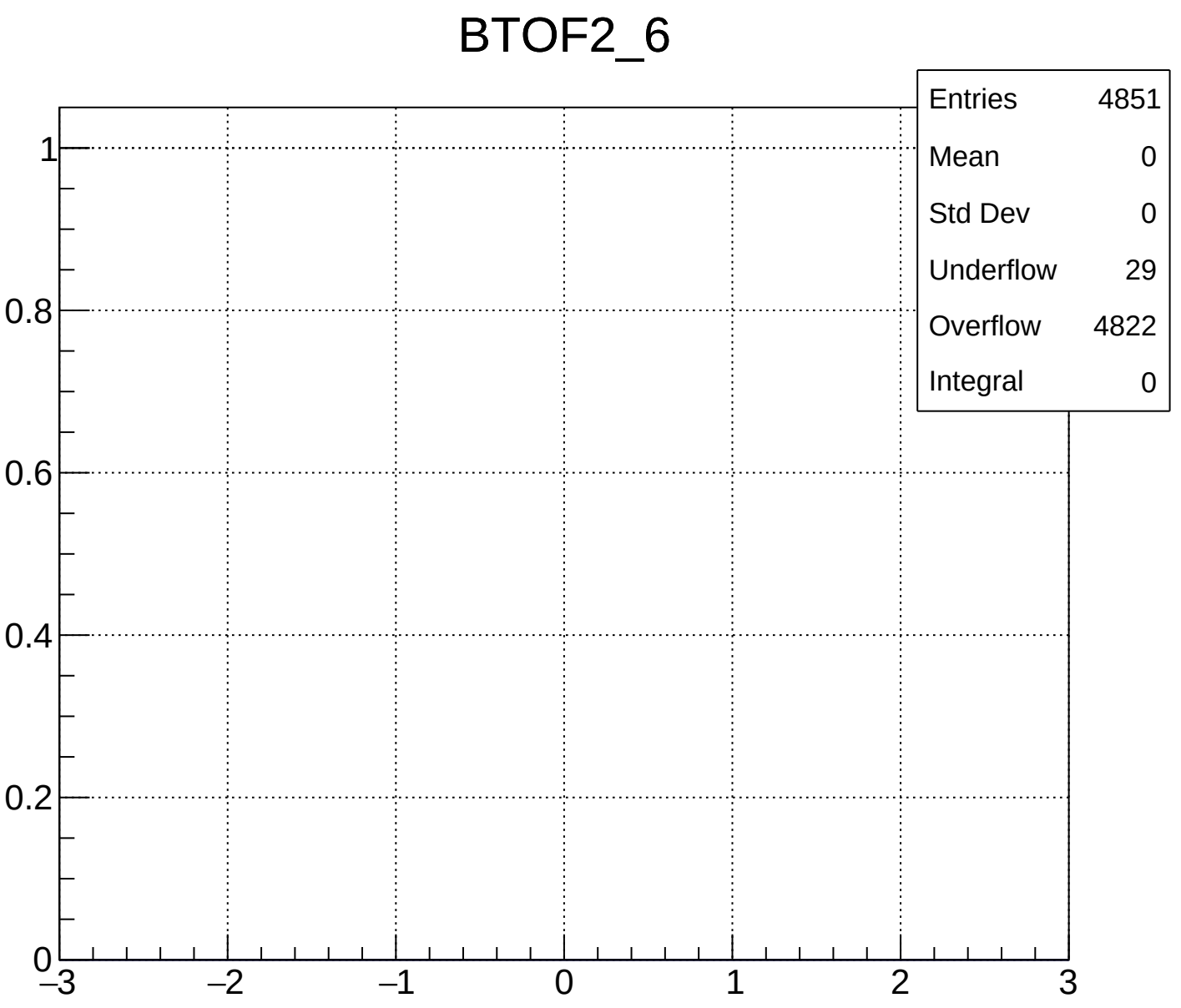

BTOF2_1
Entries 66
Mean 0
Std Dev 0
Underflow 1
Overflow 65
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

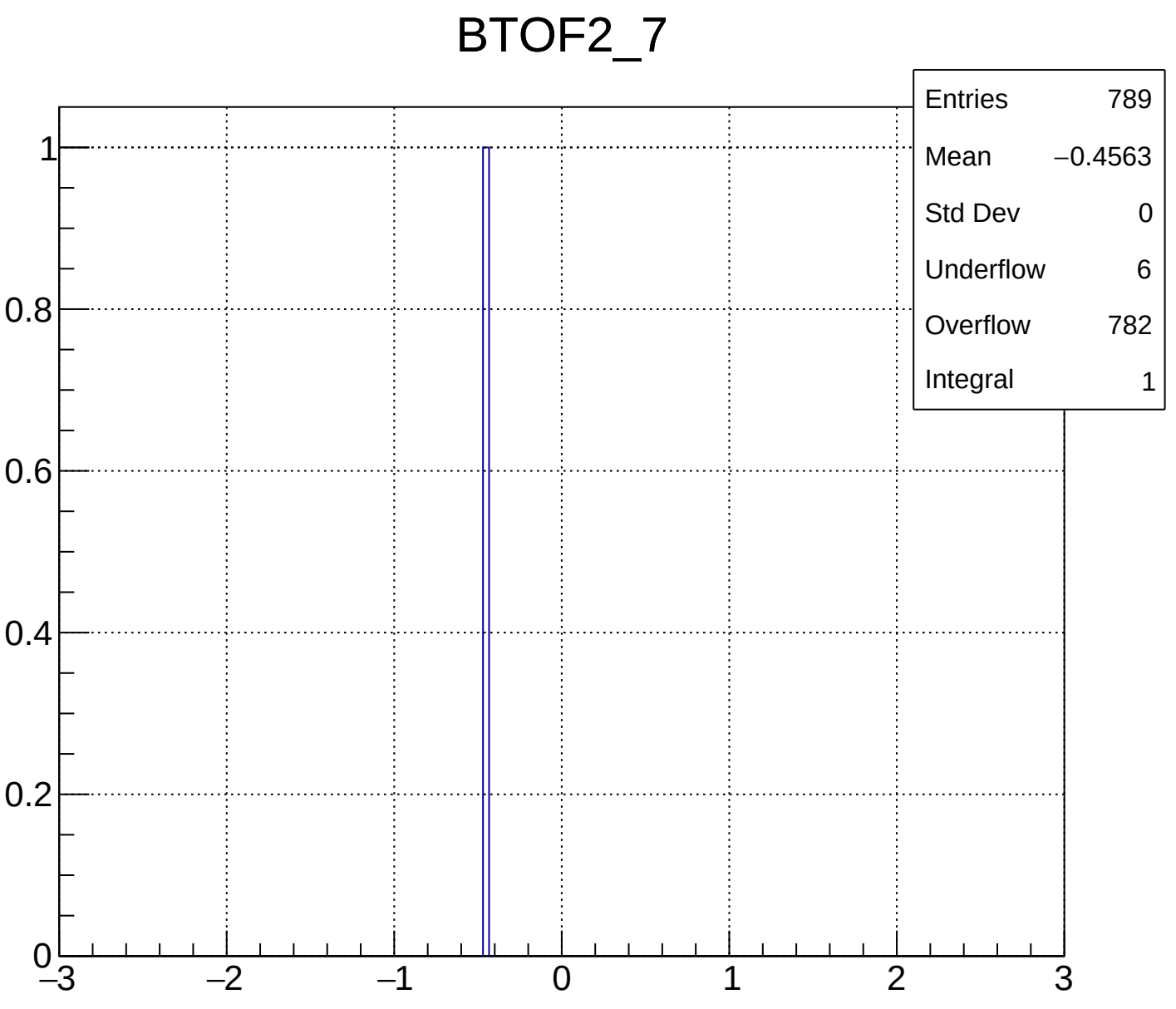

BTOF2_2
Entries 164
Mean 0
Std Dev 0
Underflow 1
Overflow 163
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

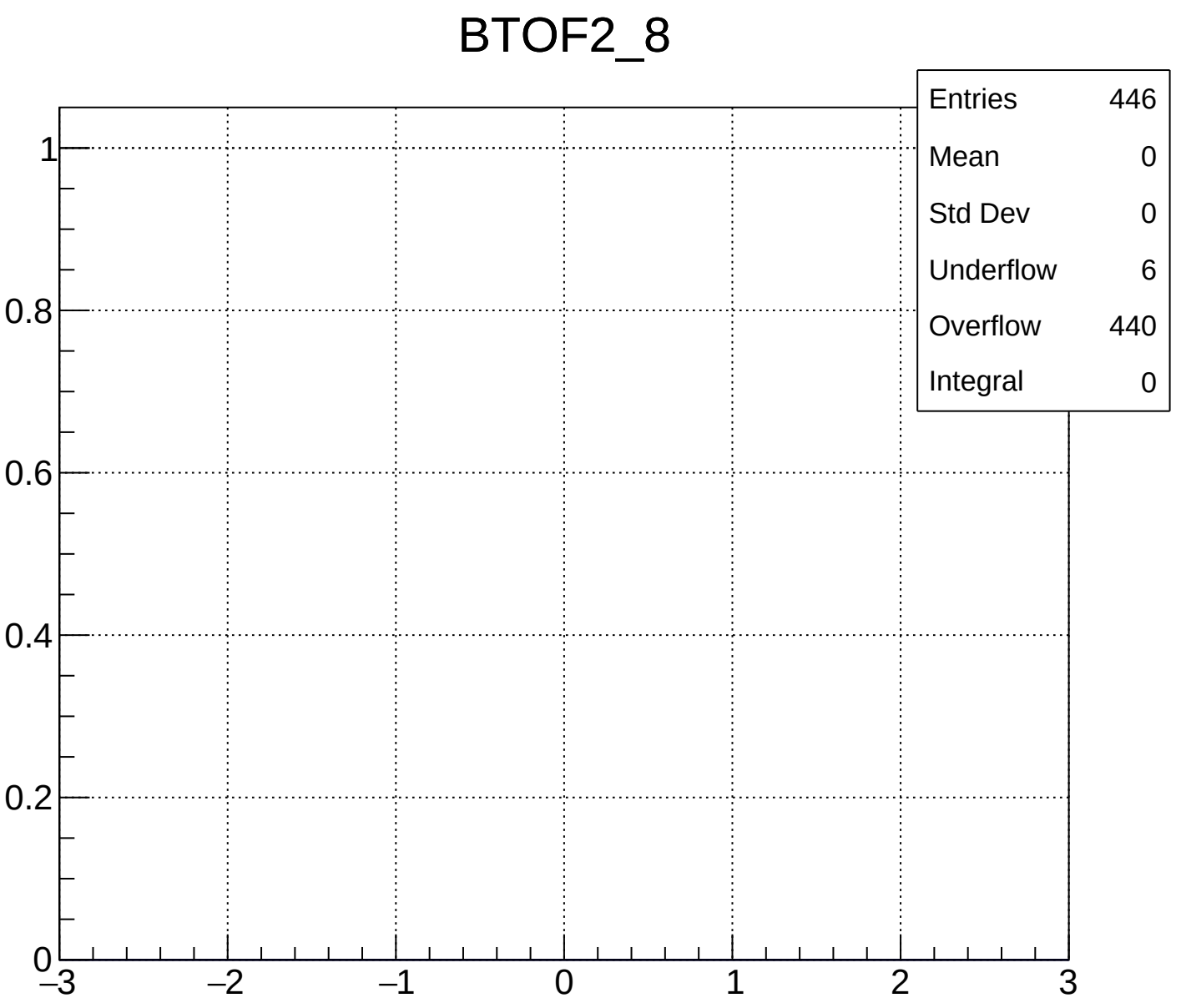

BTOF2_3
Entries 1332
Mean −0.2486
Std Dev 1.734
Underflow 4
Overflow 1320
Integral 8
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

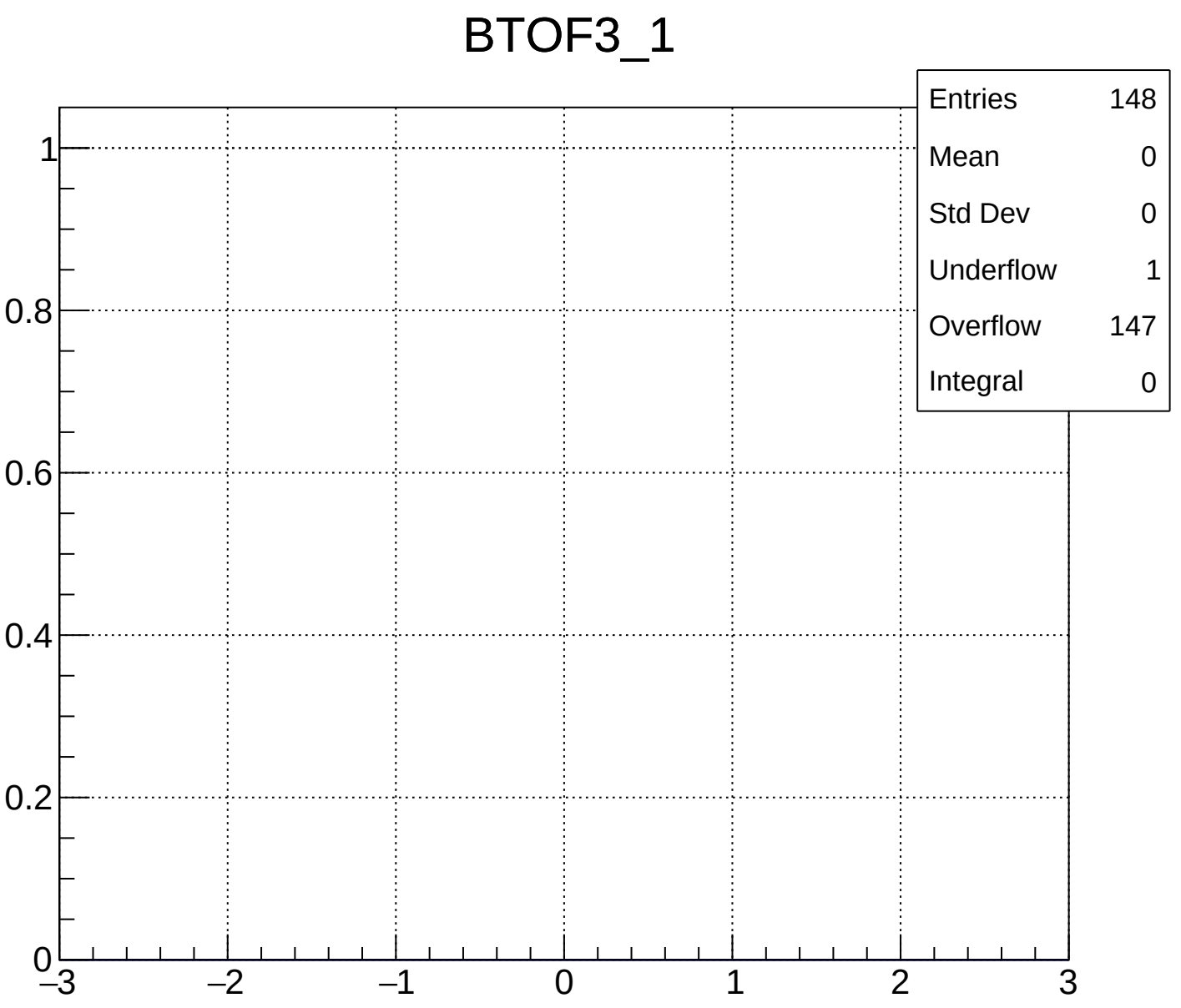

BTOF2_4
Entries 5667
Mean −0.5616
Std Dev 1.75
Underflow 35
Overflow 5615
Integral 17
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

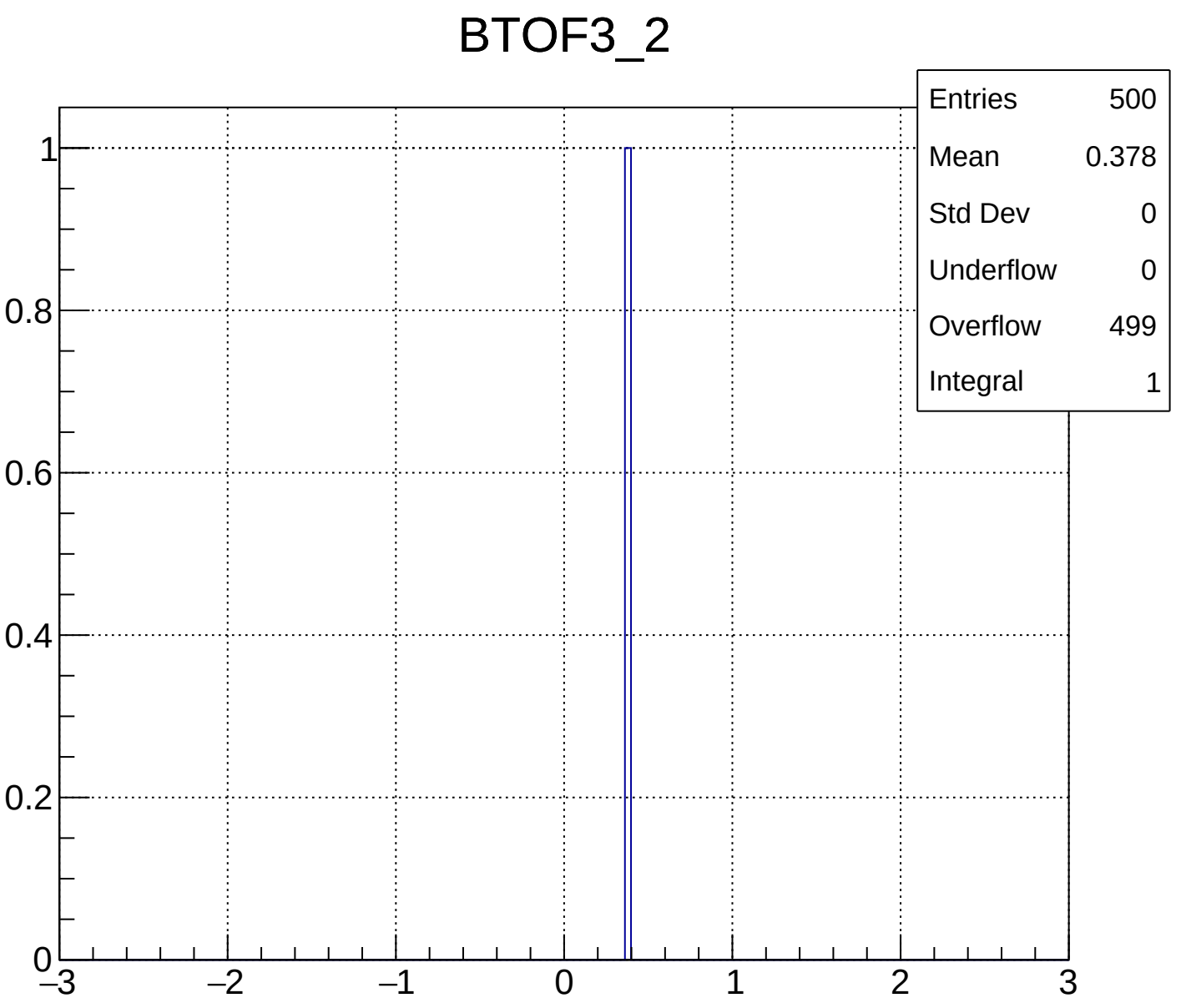

BTOF2_5
Entries 9680
Mean −0.297
Std Dev 1.719
Underflow 42
Overflow 9604
Integral 34
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

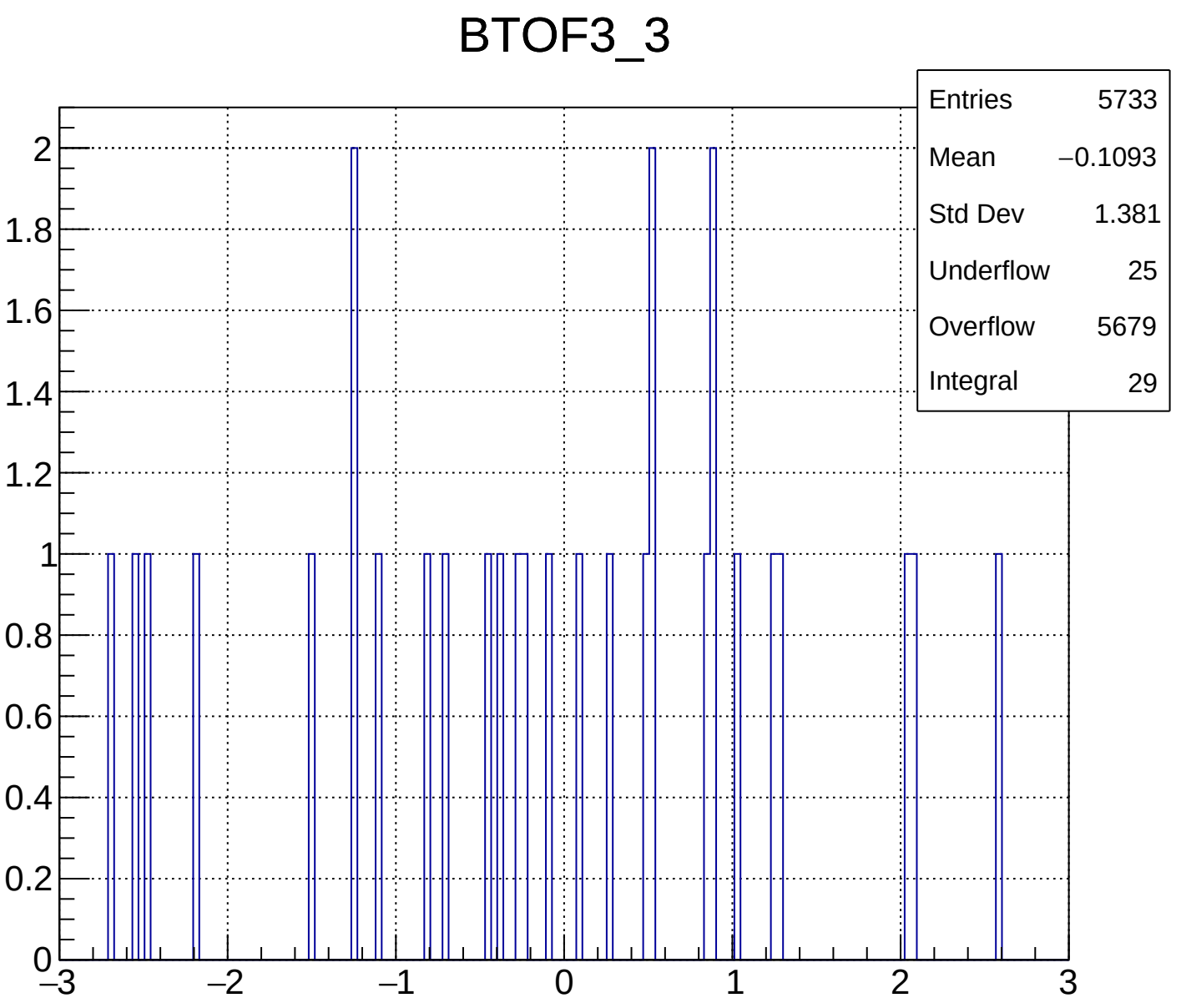

BTOF2_6
Entries 4851
Mean 0
Std Dev 0
Underflow 29
Overflow 4822
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

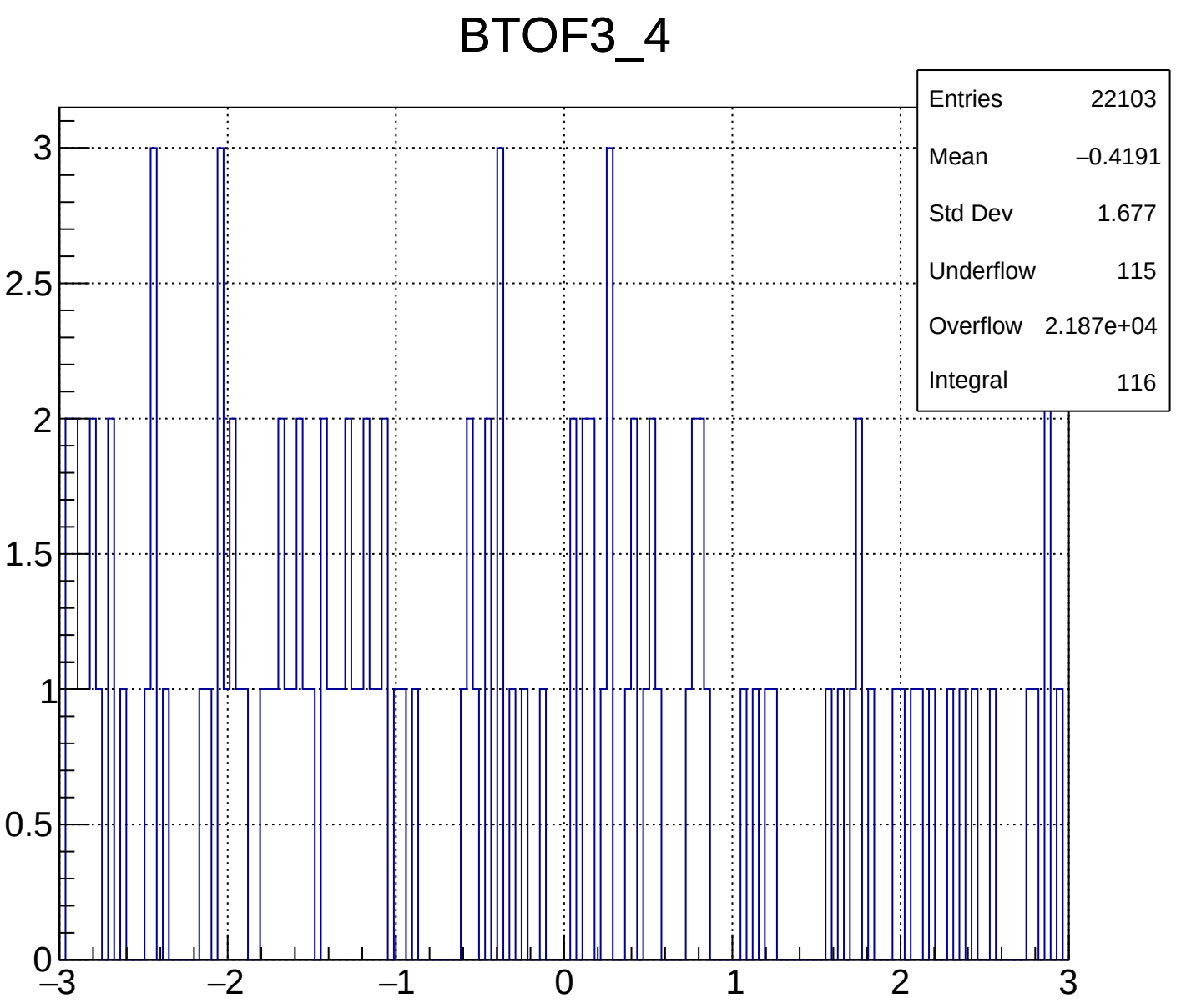

BTOF2_7
Entries 789
Mean −0.4563
Std Dev 0
Underflow 6
Overflow 782
Integral 1
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

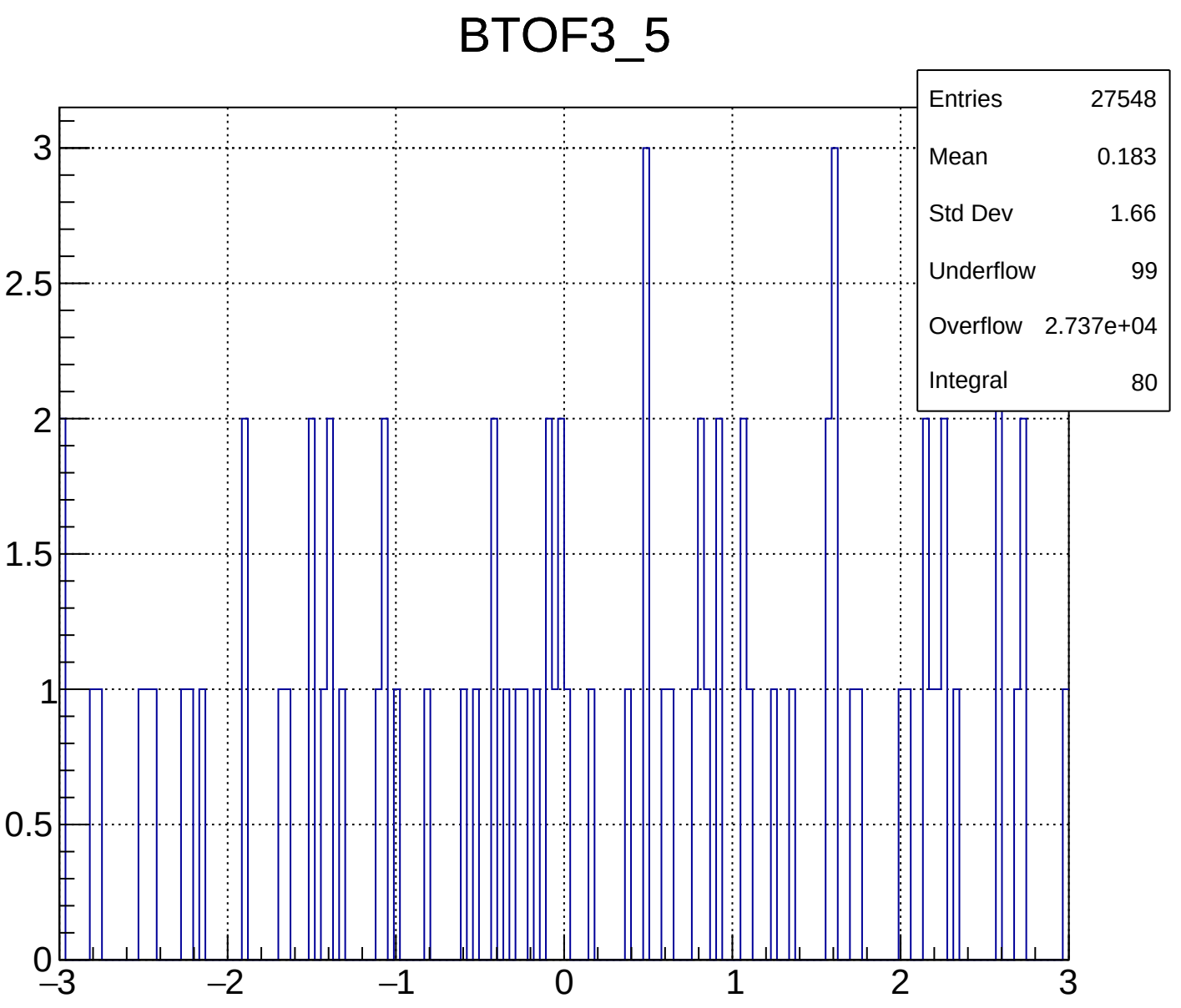

BTOF2_8
Entries 446
Mean 0
Std Dev 0
Underflow 6
Overflow 440
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

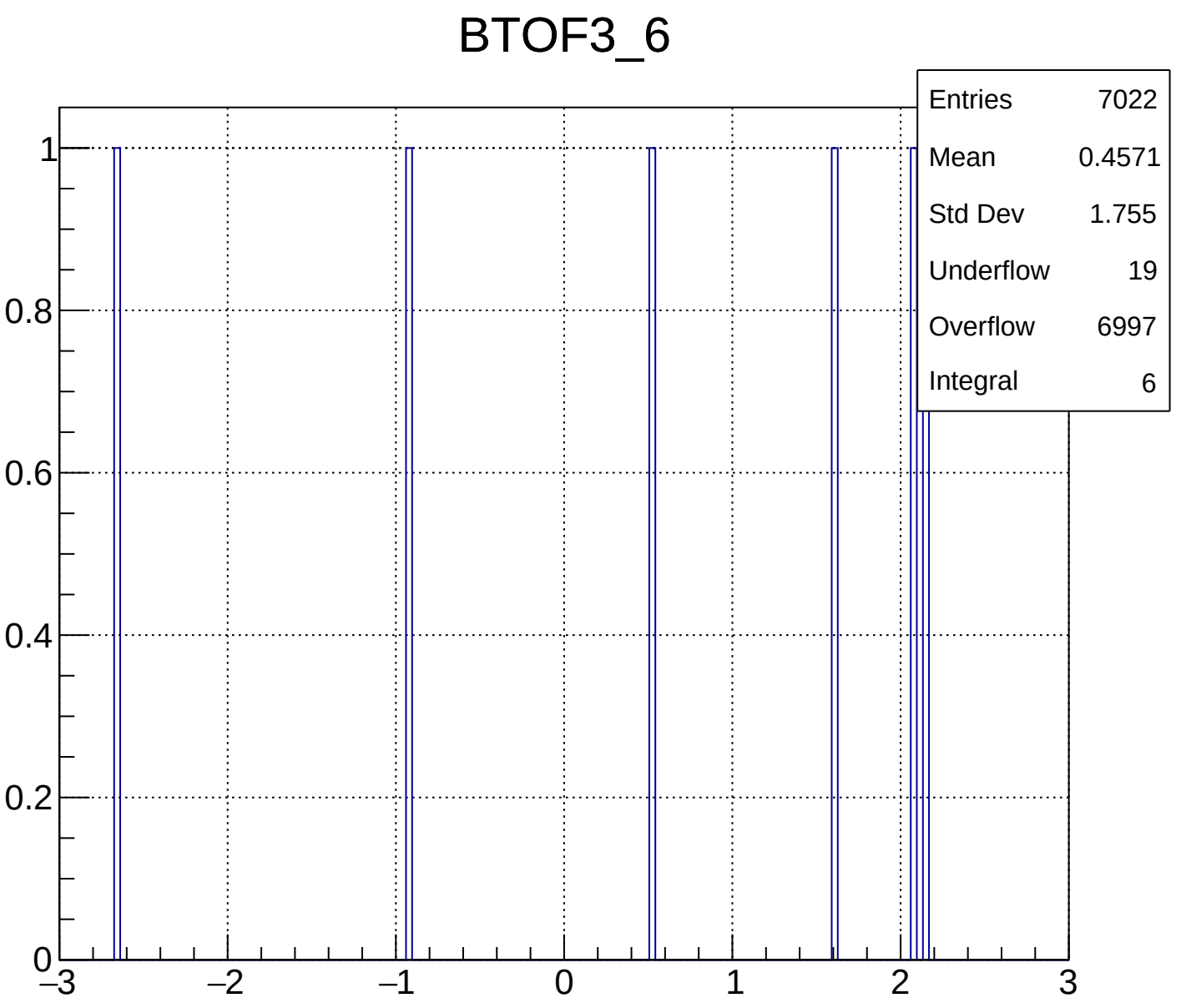

BTOF3_1
Entries 148
Mean 0
Std Dev 0
Underflow 1
Overflow 147
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

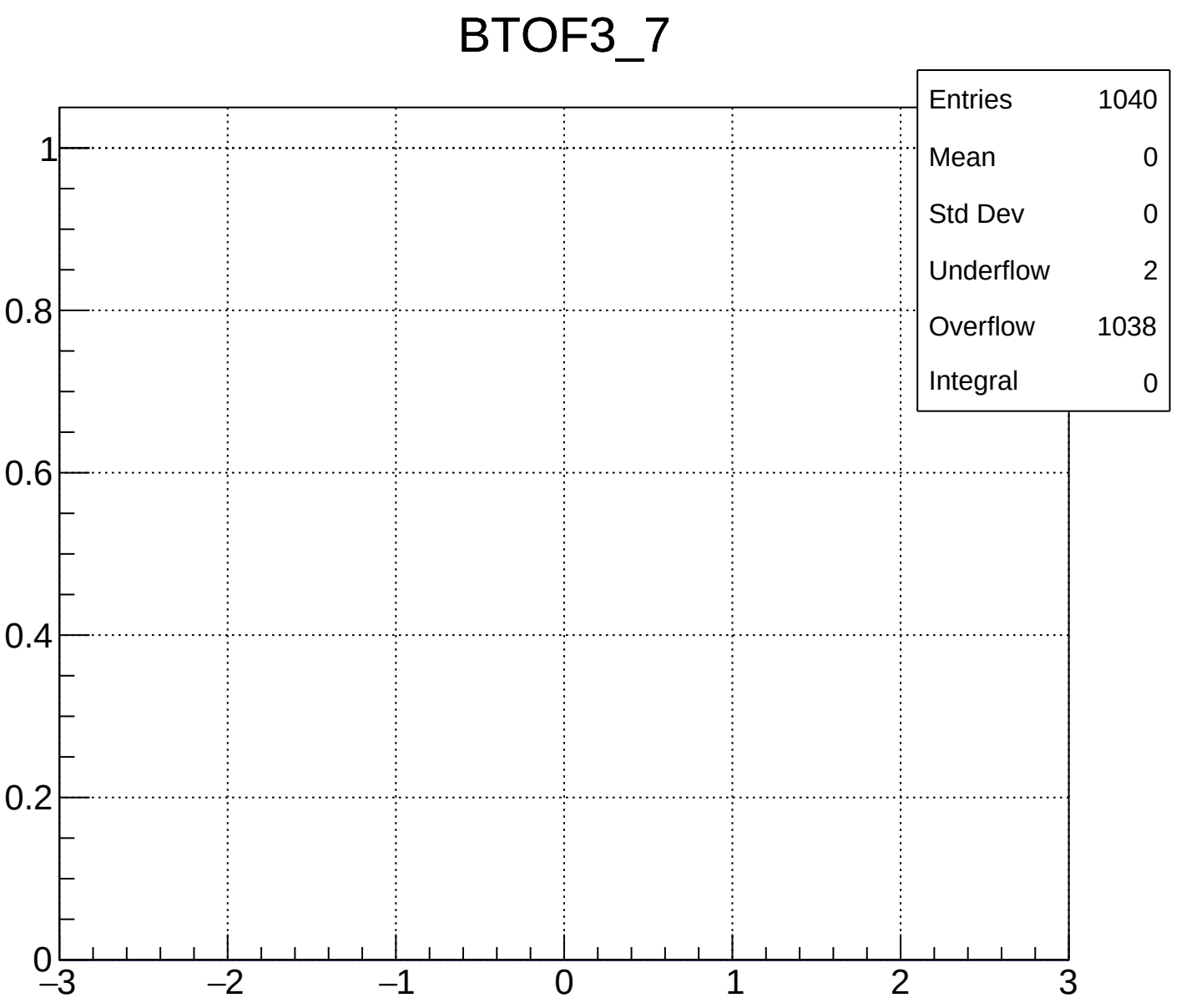

BTOF3_2
Entries 500
Mean 0.378
Std Dev 0
Underflow 0
Overflow 499
Integral 1
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

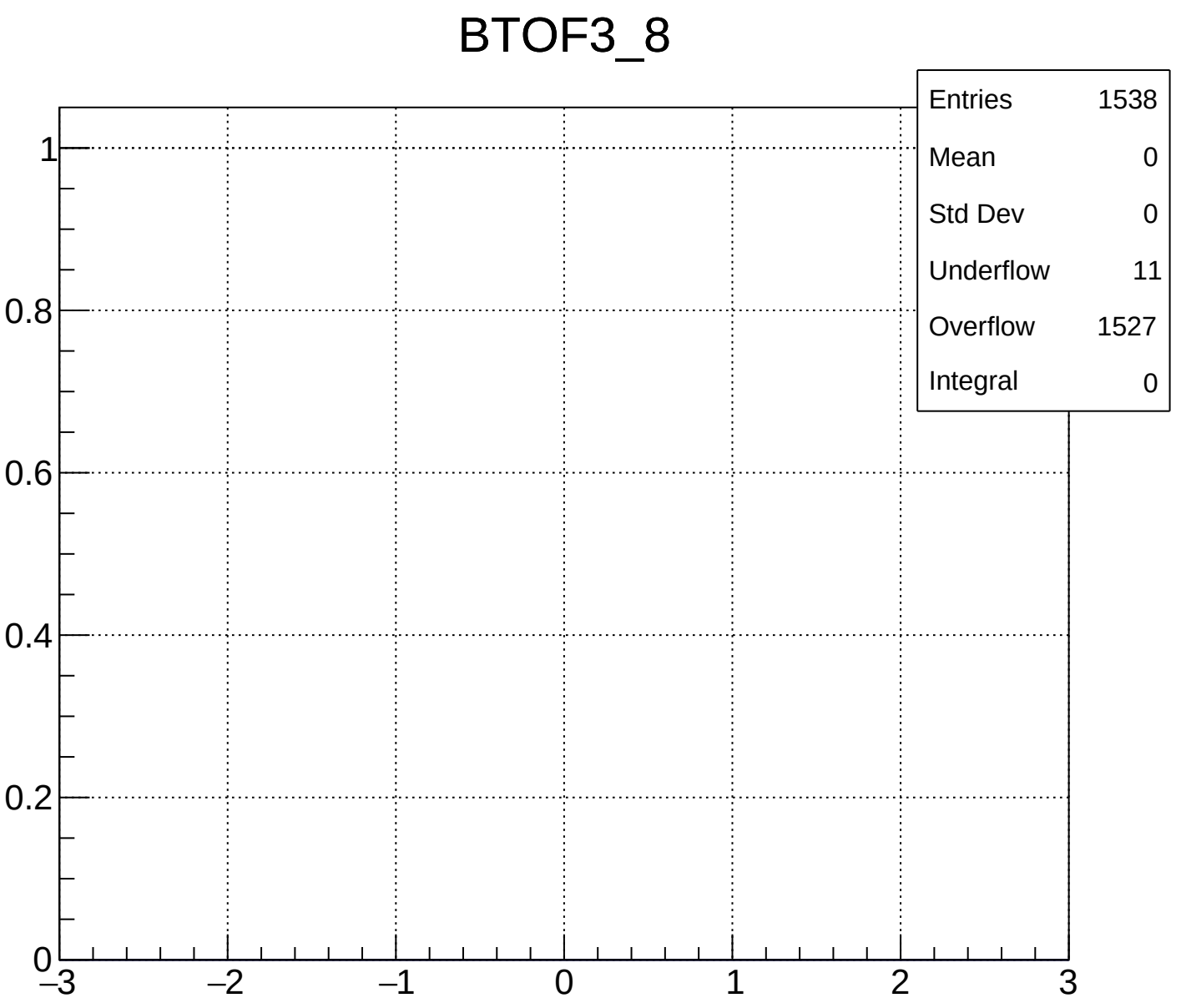

BTOF3_3
Entries 5733
Mean −0.1093
Std Dev 1.381
Underflow 25
Overflow 5679
Integral 29
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

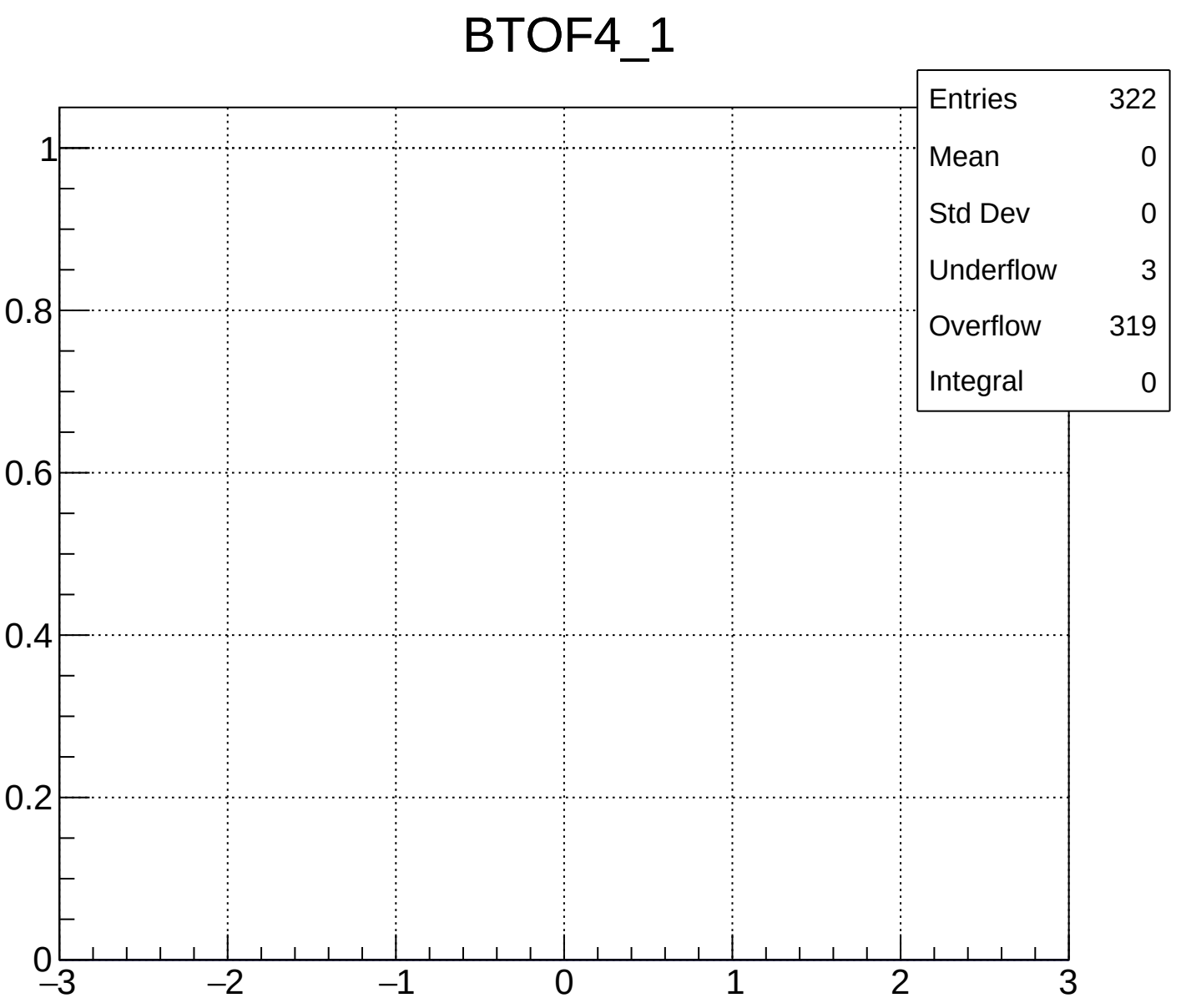

BTOF3_4
Entries 22103
Mean –0.4191
Std Dev 1.677
Underflow 115
Overflow 2.187e+04
Integral 116
3
2.5
2
1.5
1
0.5
0
–3
–2
–1
0
1
2
3

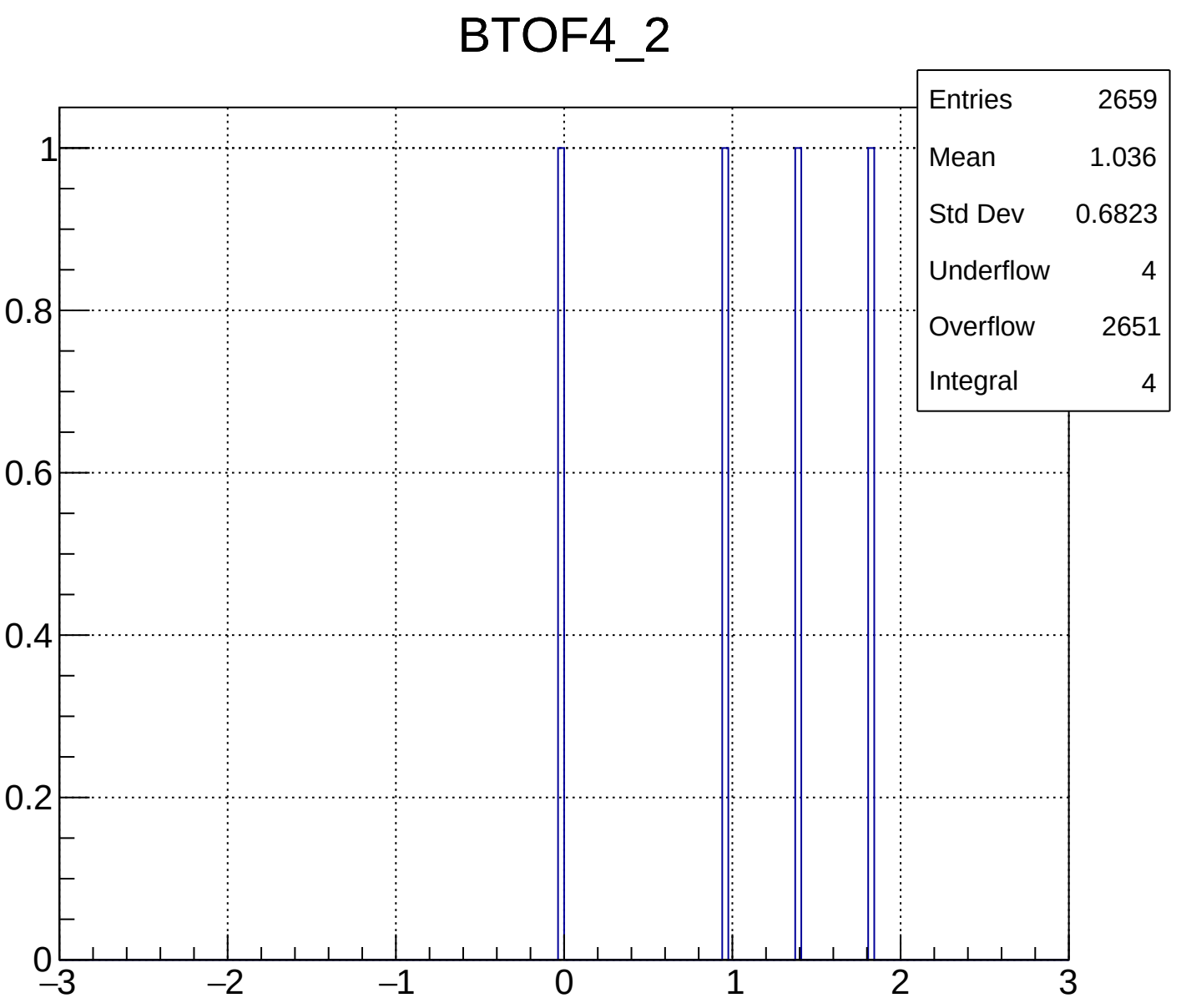

BTOF3_5
Entries 27548
Mean 0.183
Std Dev 1.66
Underflow 99
Overflow 2.737e+04
Integral 80
3
2.5
2
1.5
1
0.5
0
–3
–2
–1
0
1
2
3

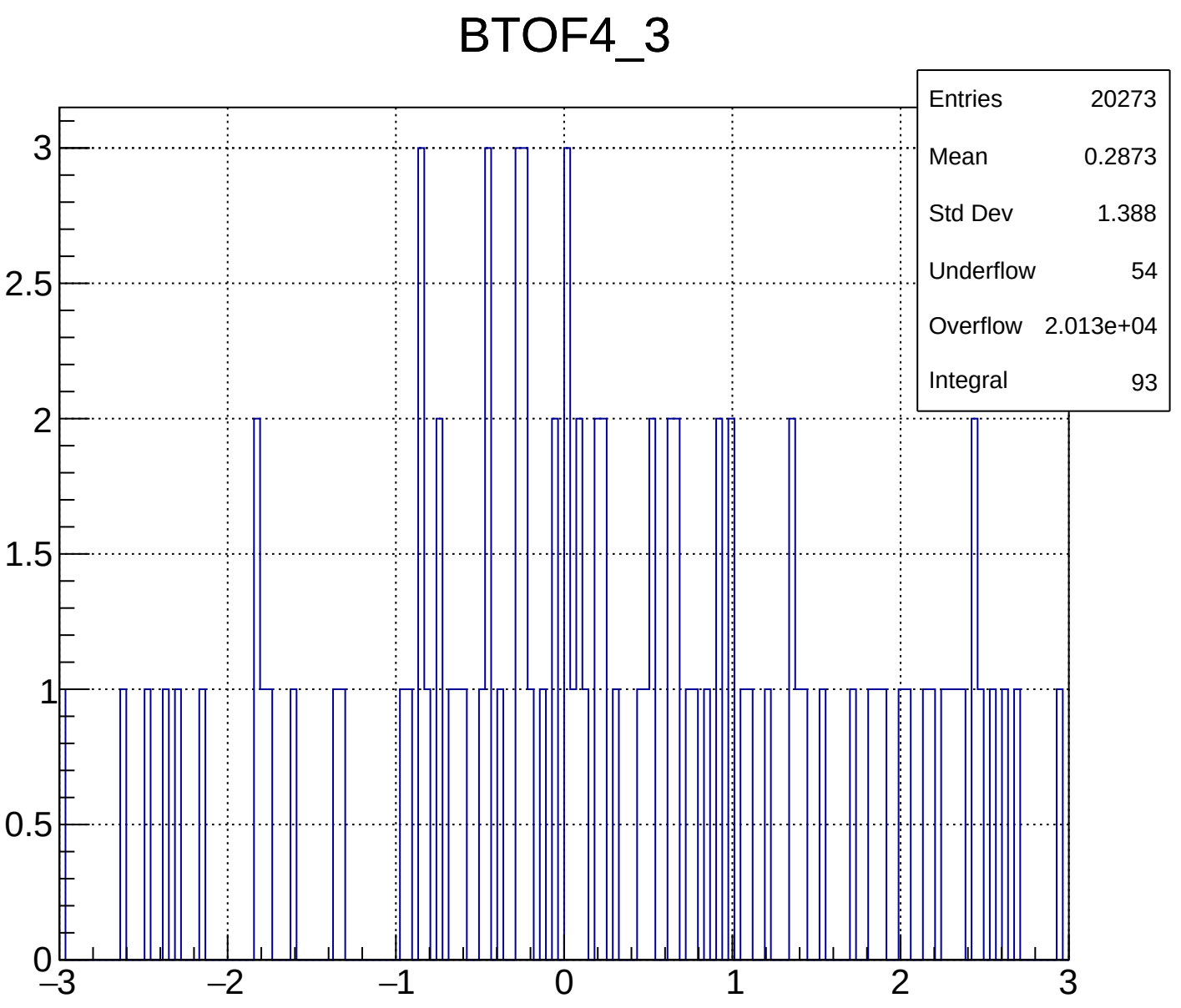

BTOF3_6
Entries 7022
Mean 0.4571
Std Dev 1.755
Underflow 19
Overflow 6997
Integral 6
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

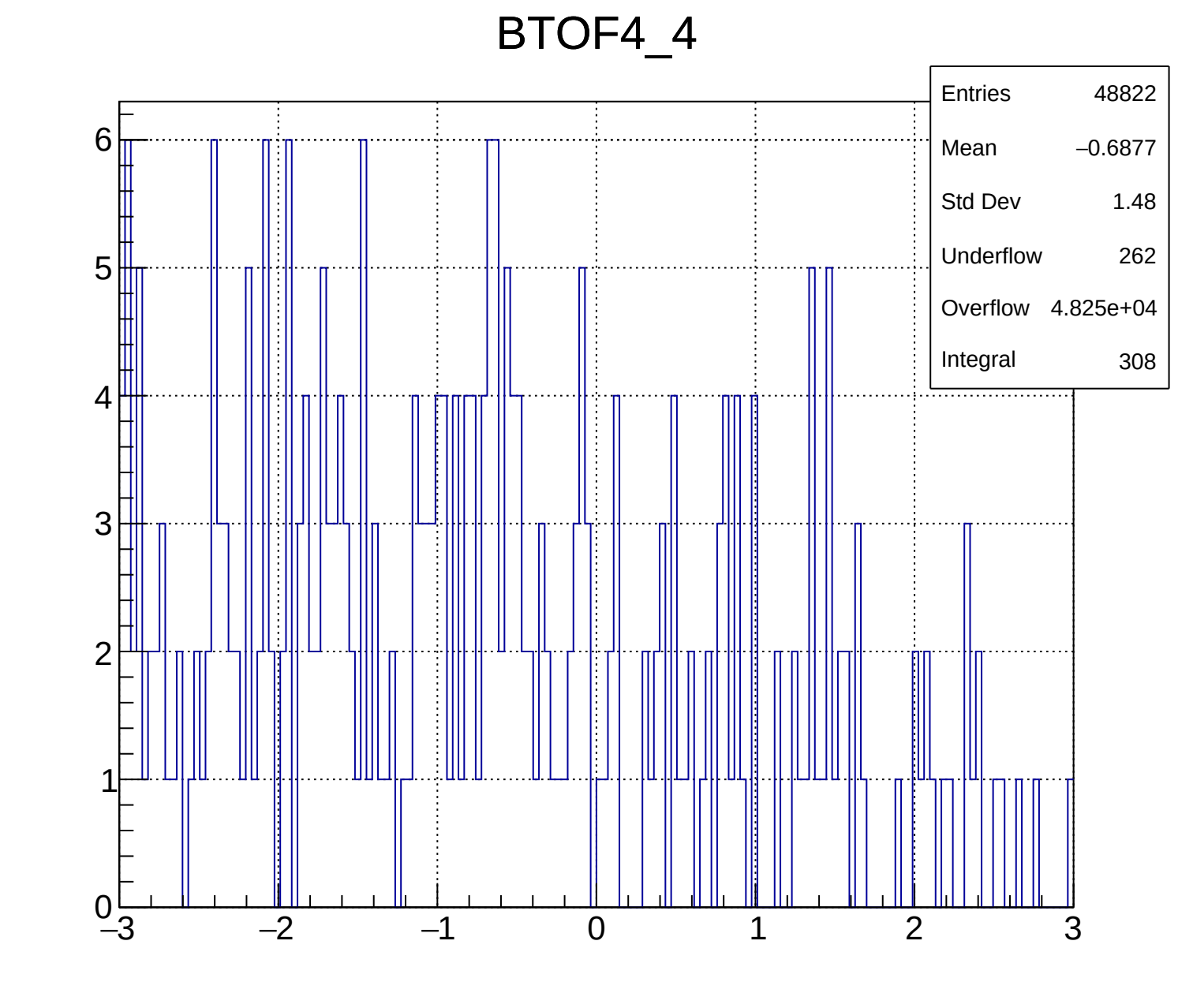

BTOF3_7
Entries 1040
Mean 0
Std Dev 0
Underflow 2
Overflow 1038
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

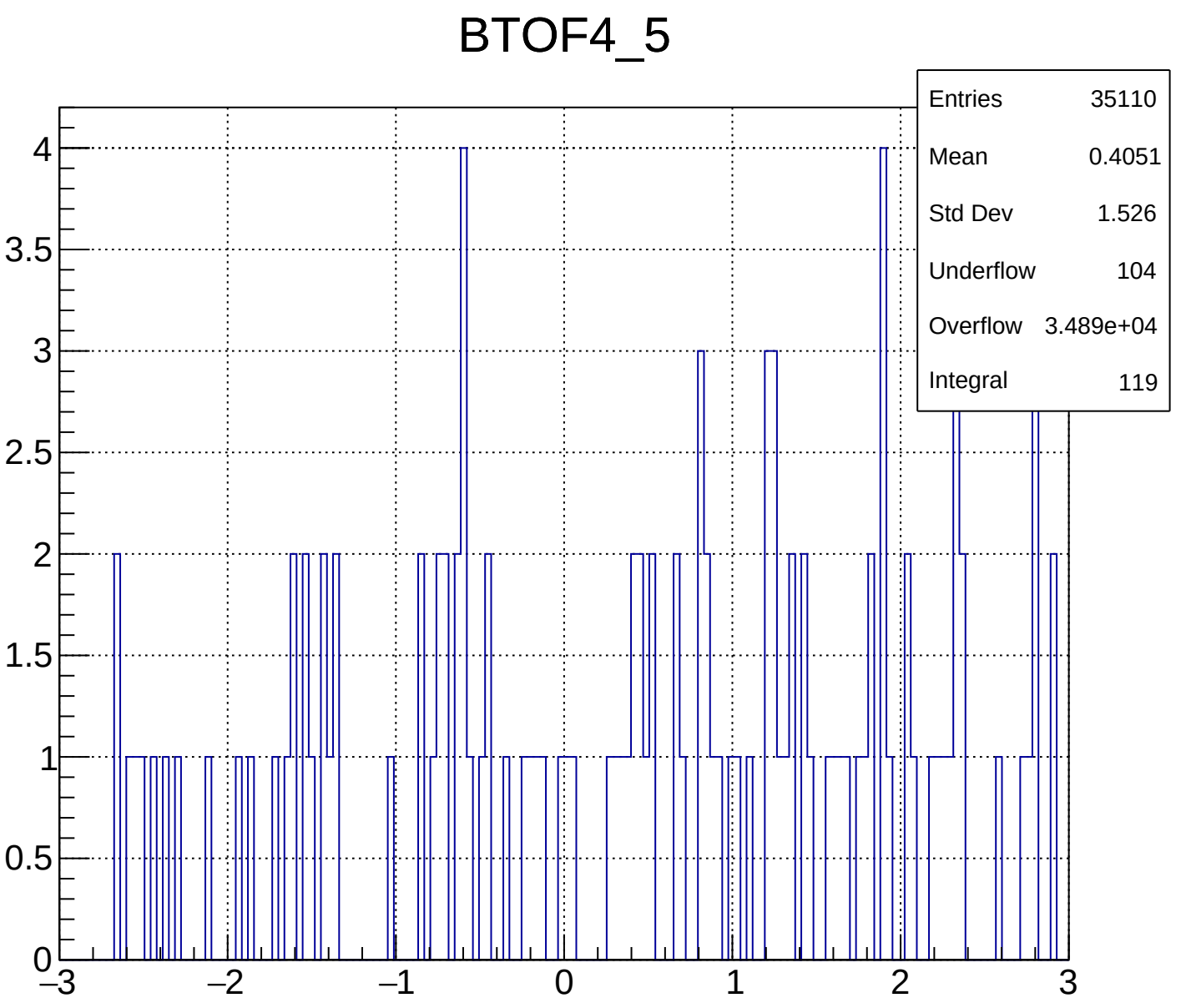

BTOF3_8
Entries 1538
Mean 0
Std Dev 0
Underflow 11
Overflow 1527
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

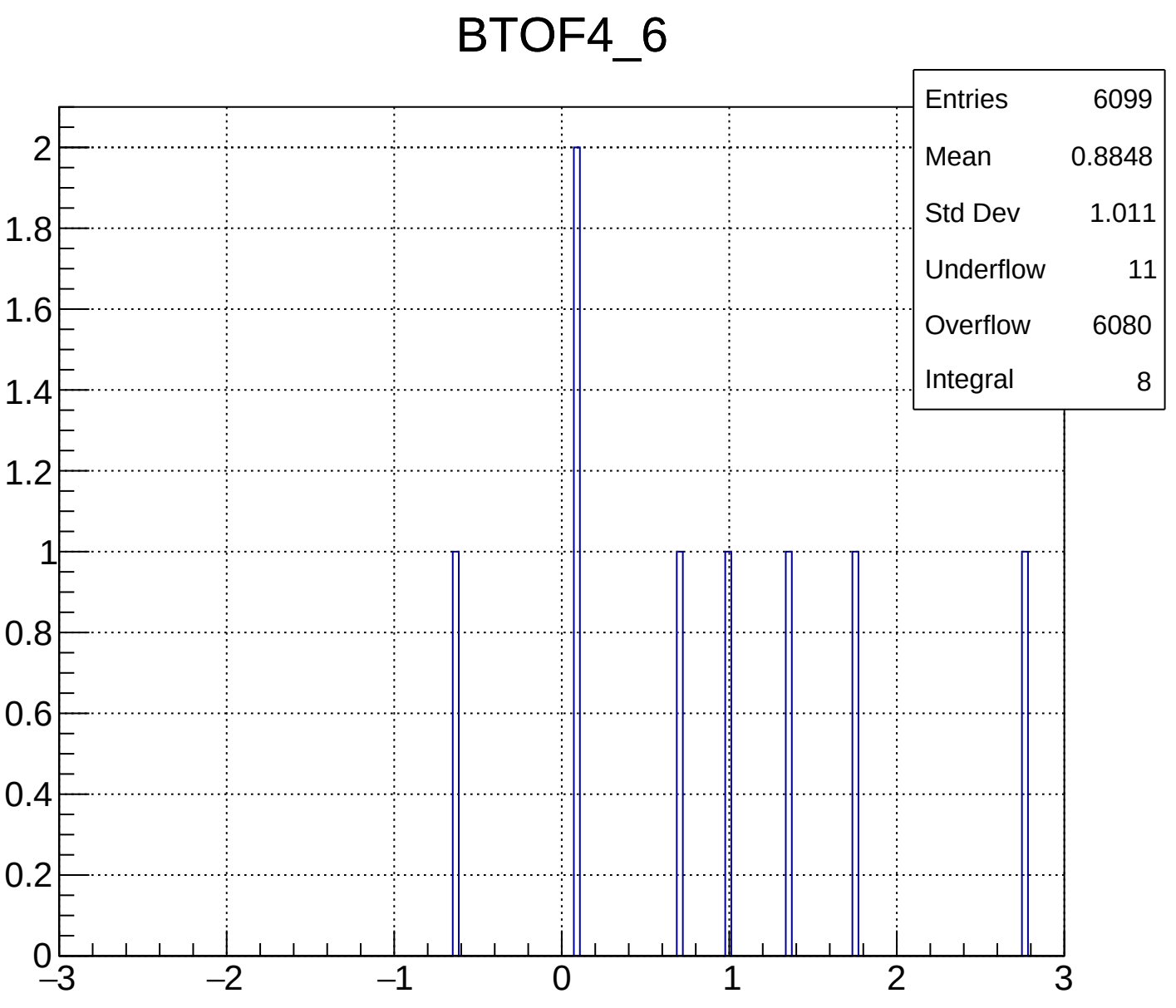

BTOF4_1
Entries 322
Mean 0
Std Dev 0
Underflow 3
Overflow 319
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

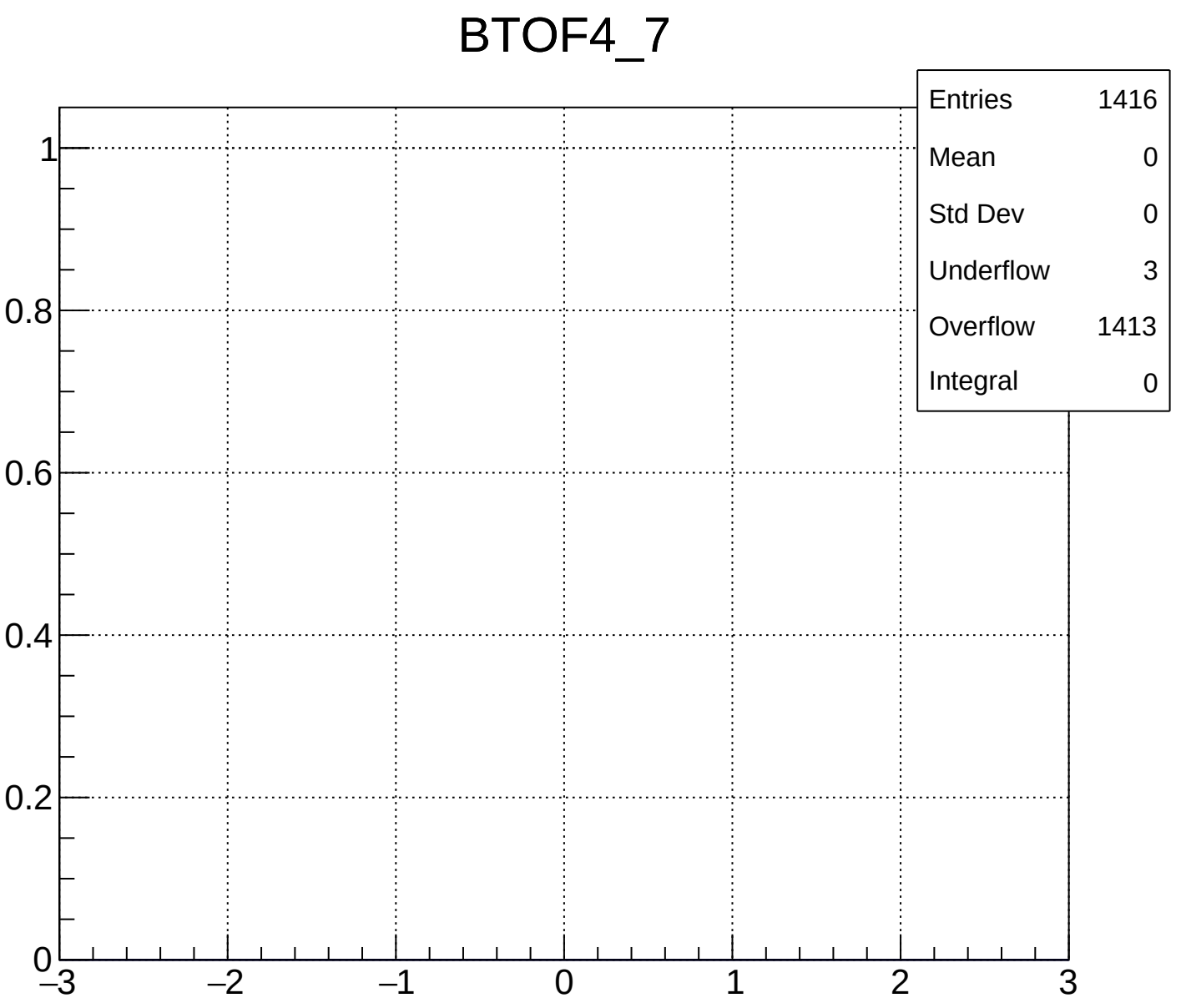

BTOF4_2
Entries 2659
Mean 1.036
Std Dev 0.6823
Underflow 4
Overflow 2651
Integral 4
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

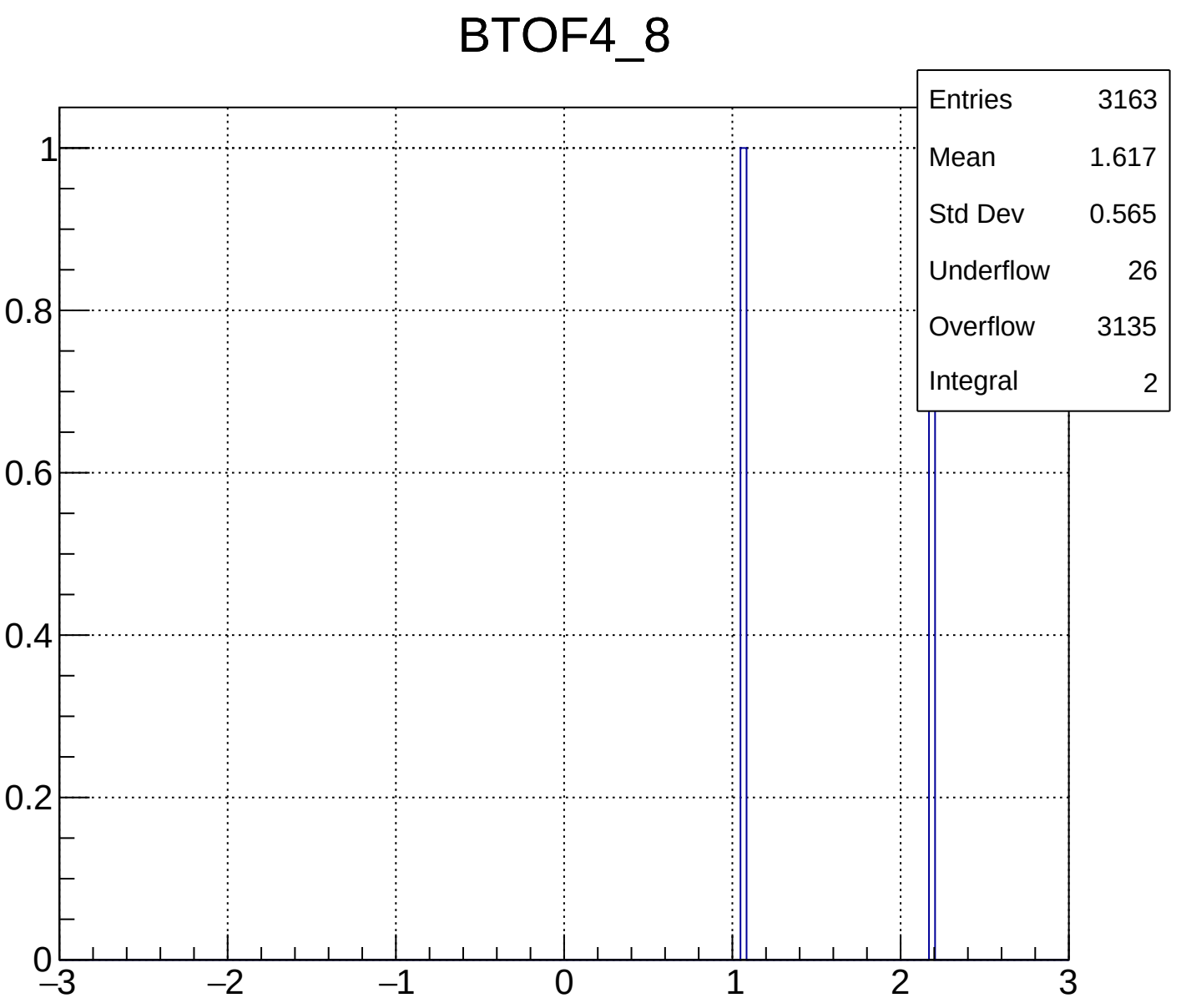

BTOF4_3
Entries 20273
Mean 0.2873
Std Dev 1.388
Underflow 54
Overflow 2.013e+04
Integral 93
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

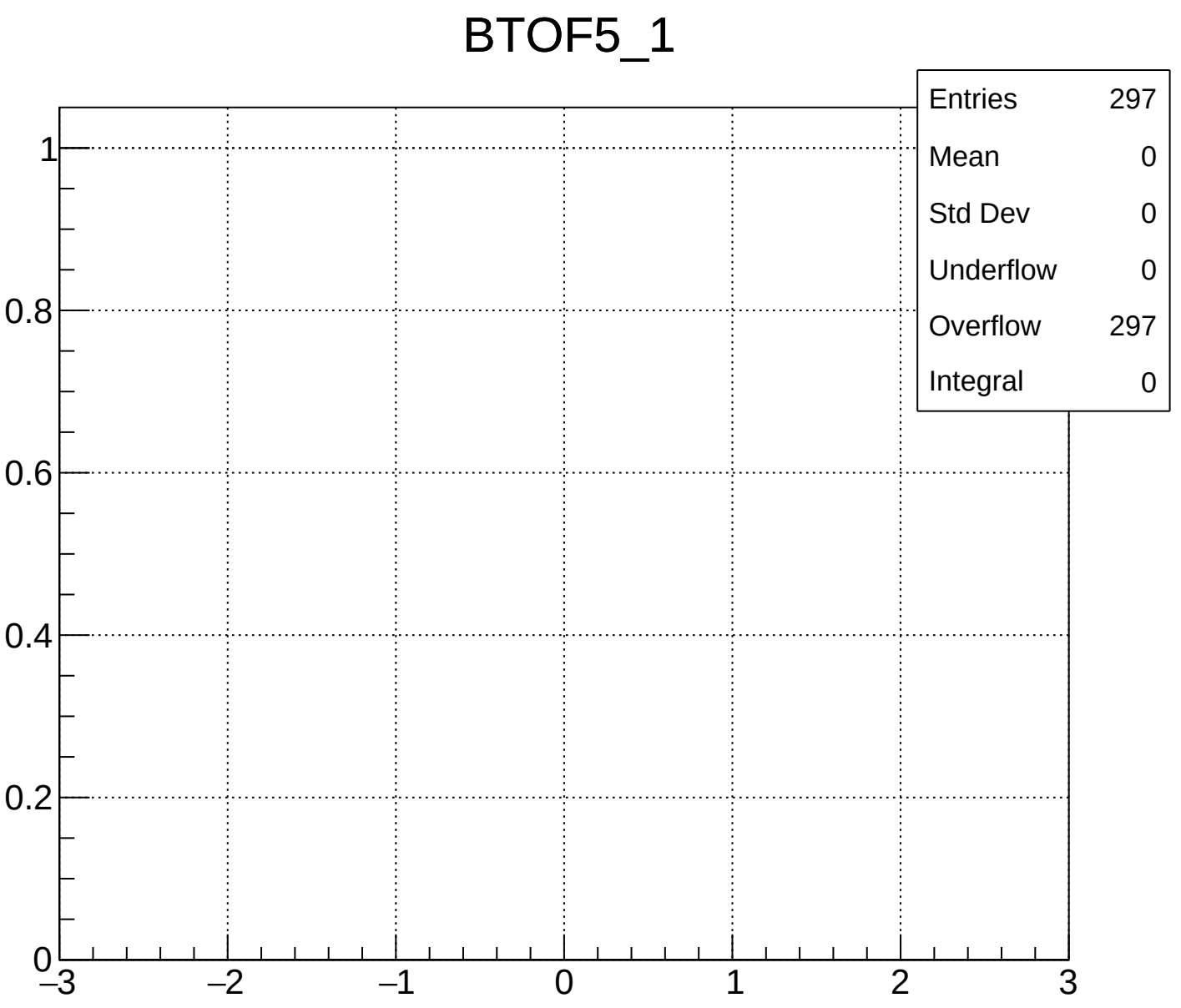

BTOF4_4
Entries 48822
Mean –0.6877
Std Dev 1.48
Underflow 262
Overflow 4.825e+04
Integral 308
6
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

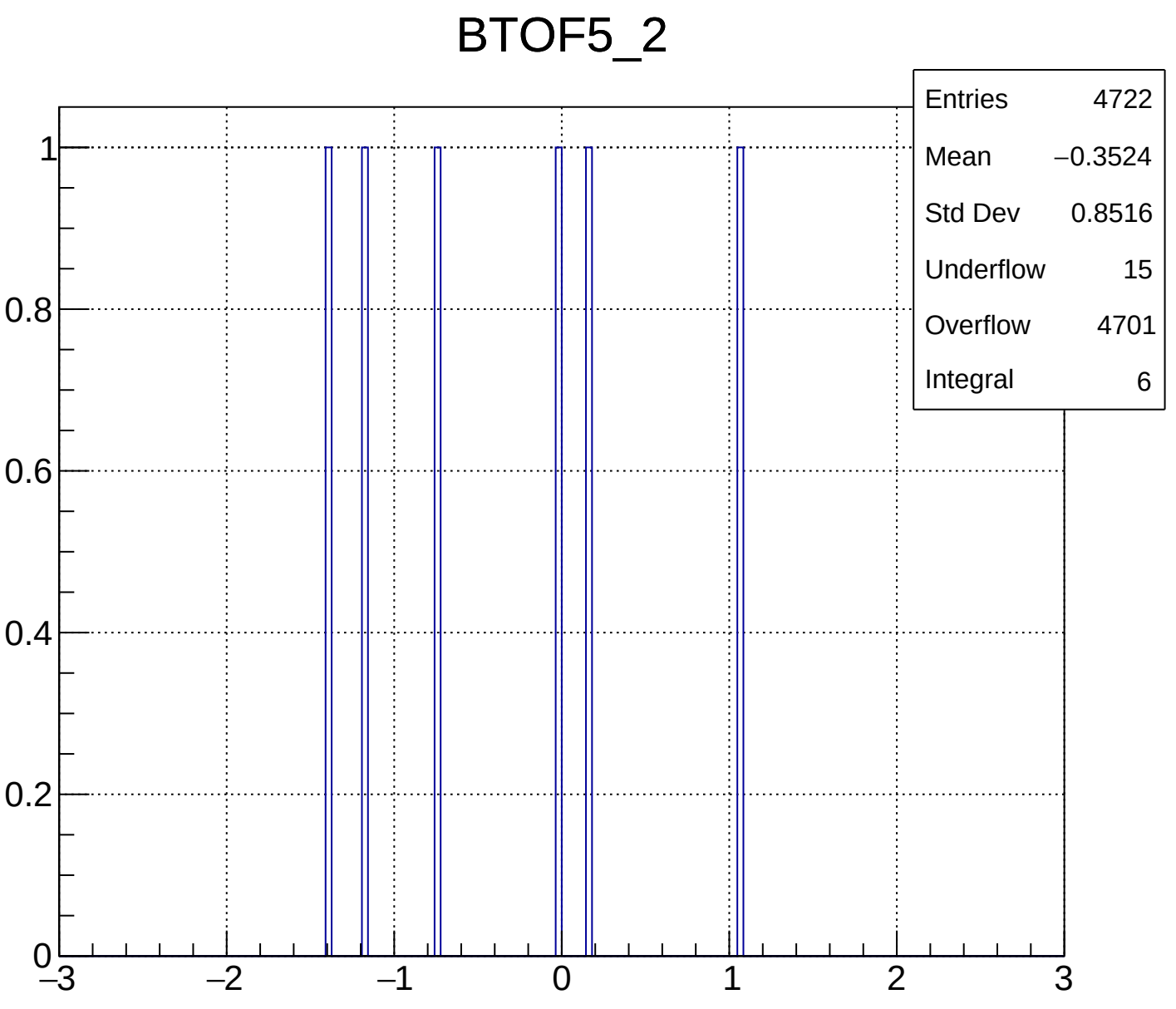

BTOF4_5
Entries 35110
Mean 0.4051
Std Dev 1.526
Underflow 104
Overflow 3.489e+04
Integral 119
4
3.5
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

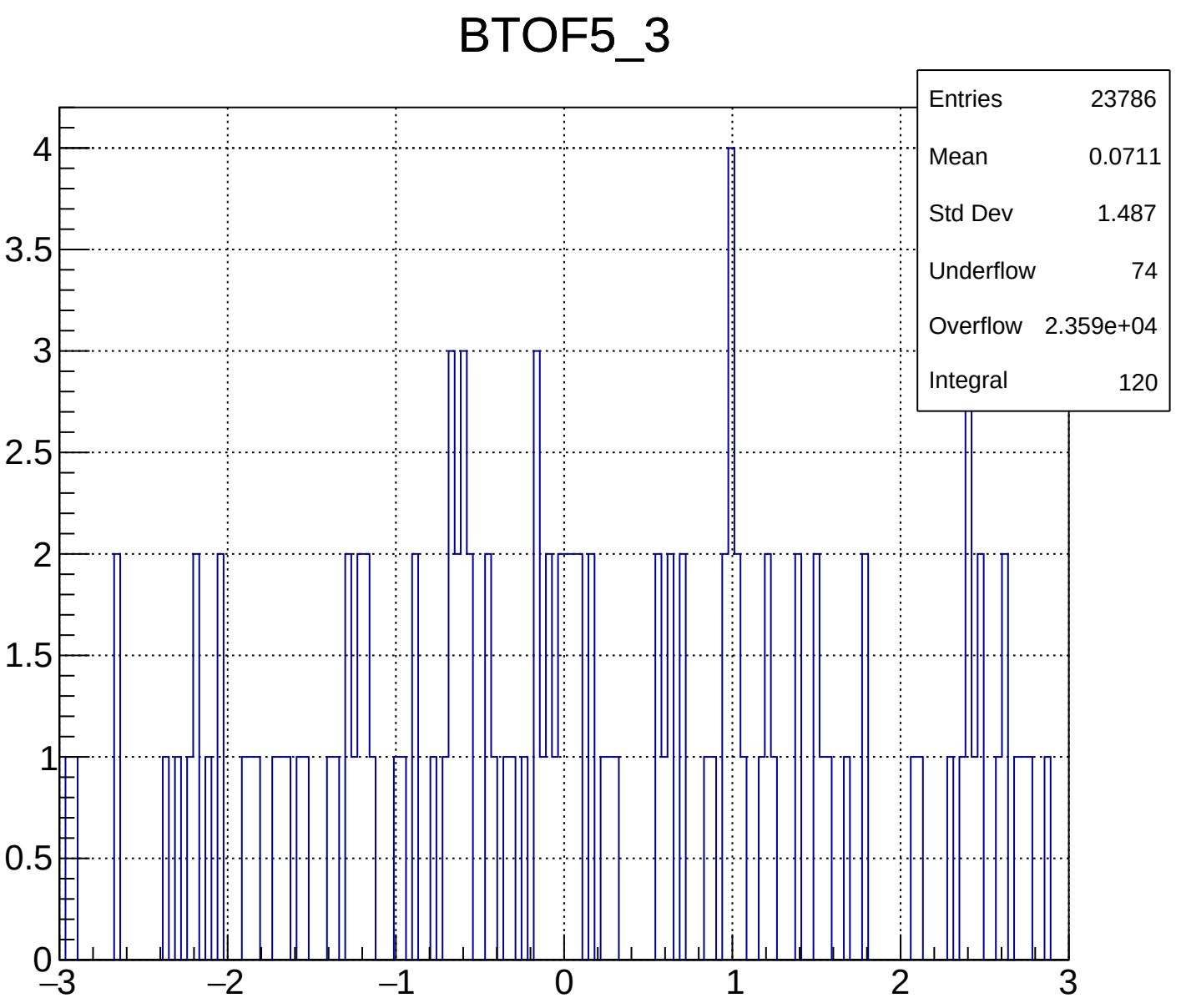

BTOF4_6
Entries 6099
Mean 0.8848
Std Dev 1.011
Underflow 11
Overflow 6080
Integral 8
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

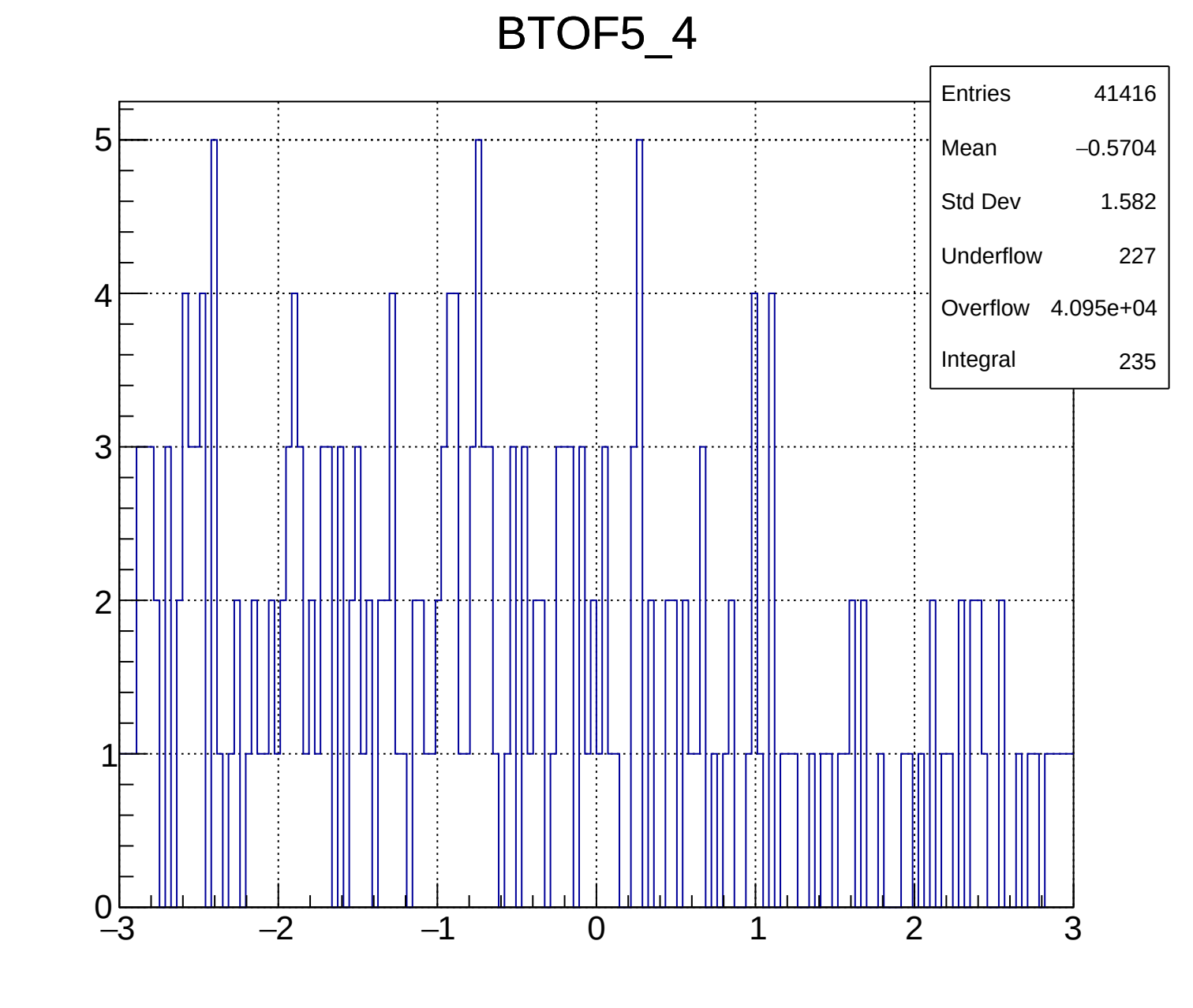

BTOF4_7
Entries 1416
Mean 0
Std Dev 0
Underflow 3
Overflow 1413
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

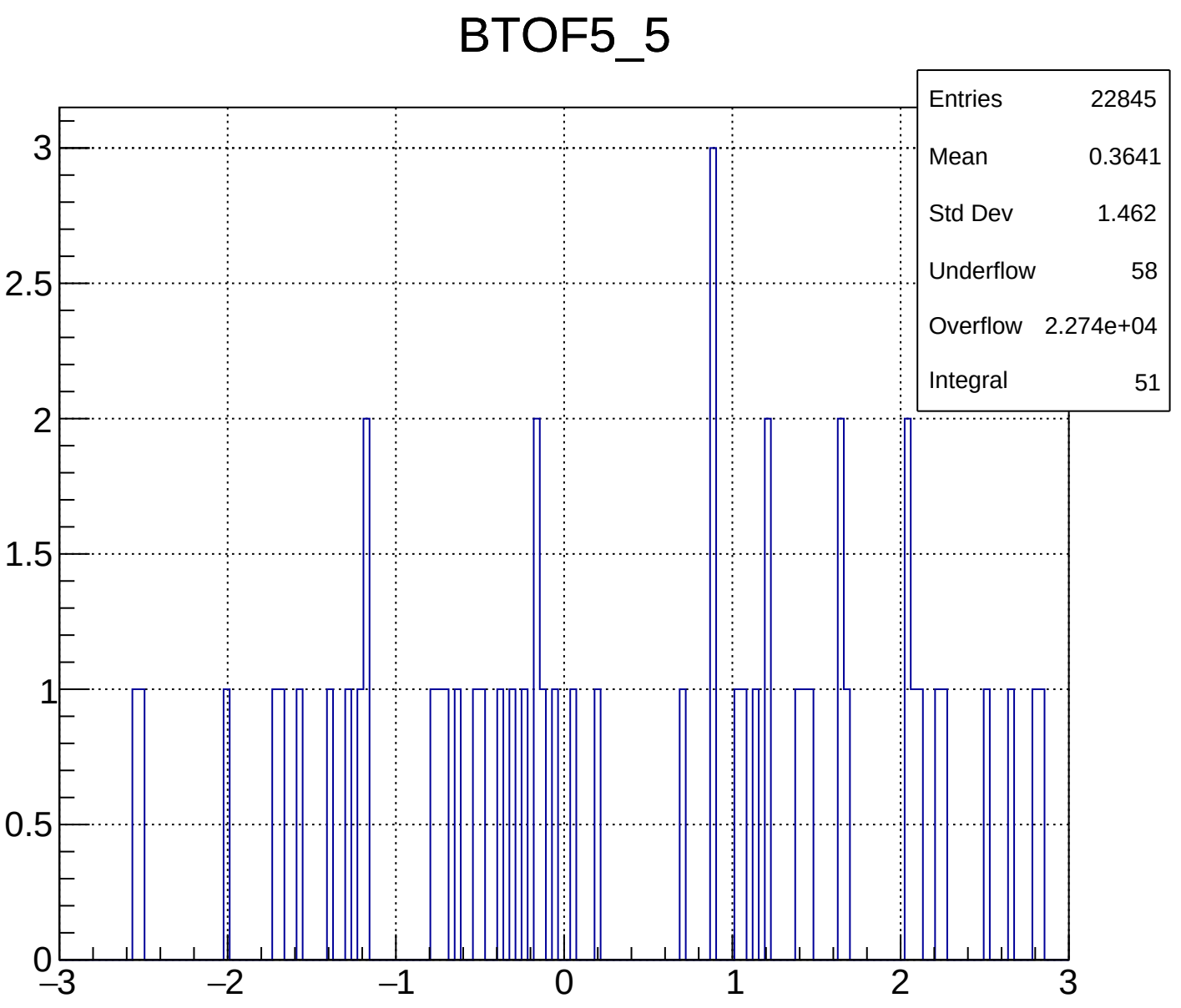

BTOF4_8
Entries 3163
Mean 1.617
Std Dev 0.565
Underflow 26
Overflow 3135
Integral 2
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

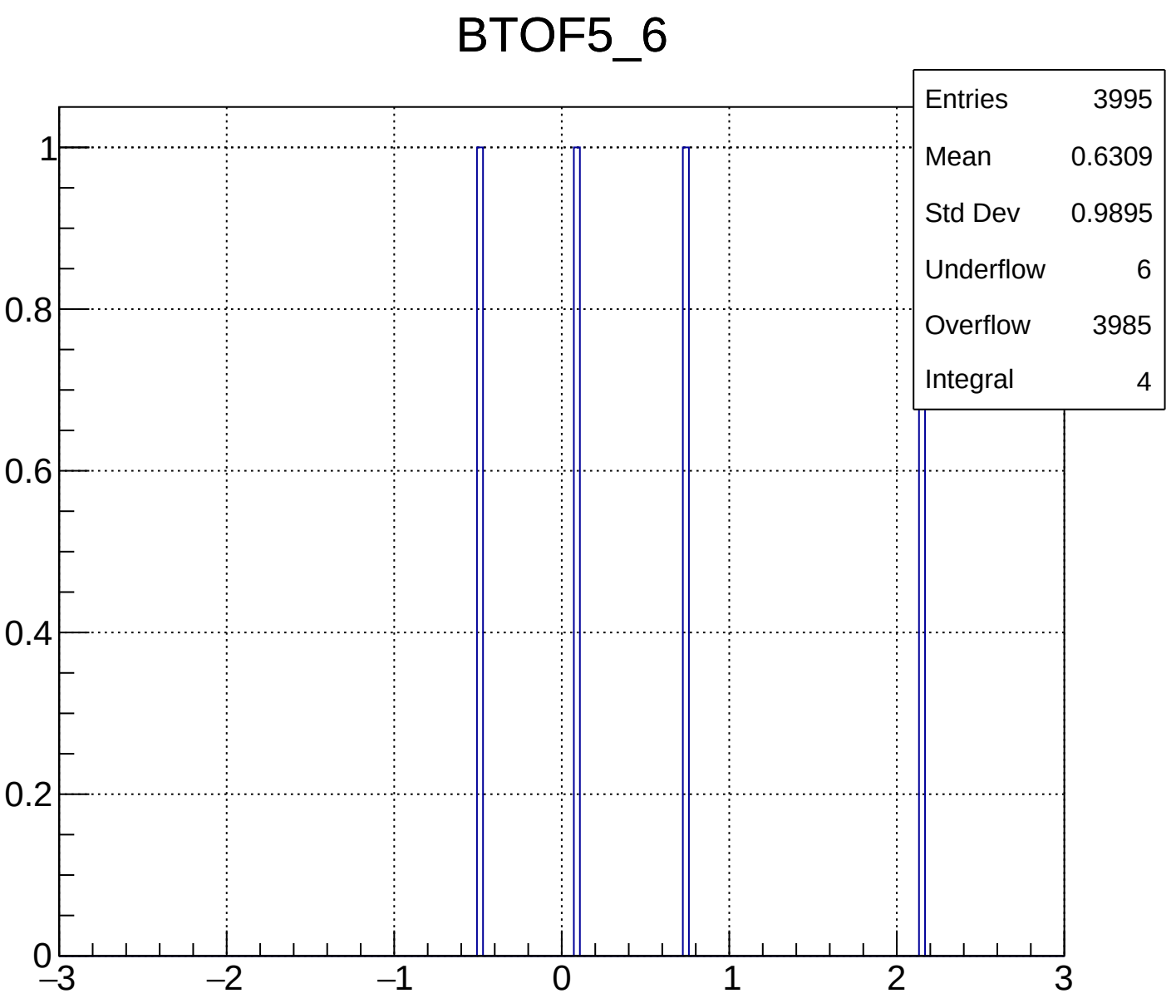

BTOF5_1
Entries 297
Mean 0
Std Dev 0
Underflow 0
Overflow 297
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

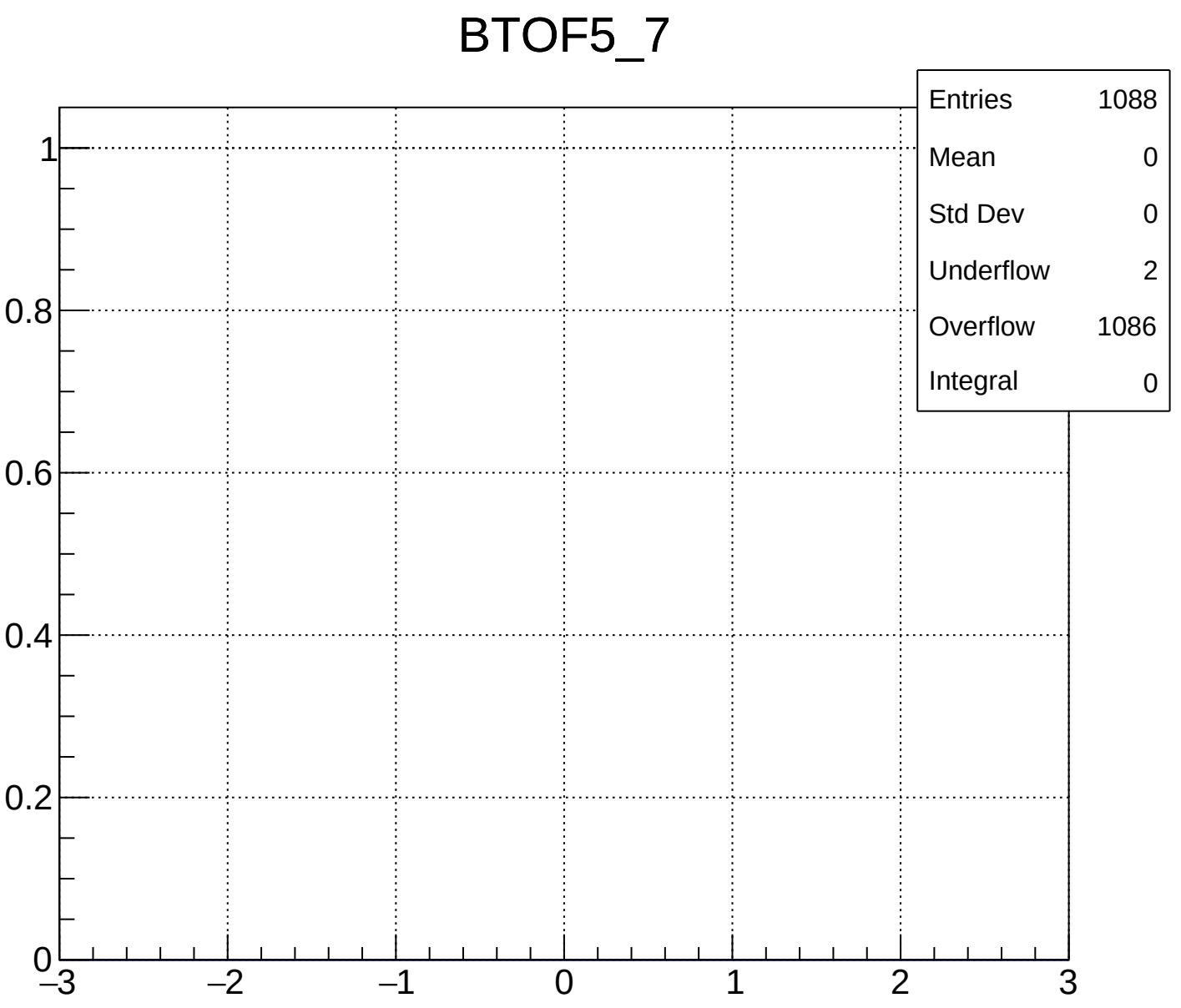

BTOF5_2
Entries 4722
Mean −0.3524
Std Dev 0.8516
Underflow 15
Overflow 4701
Integral 6
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

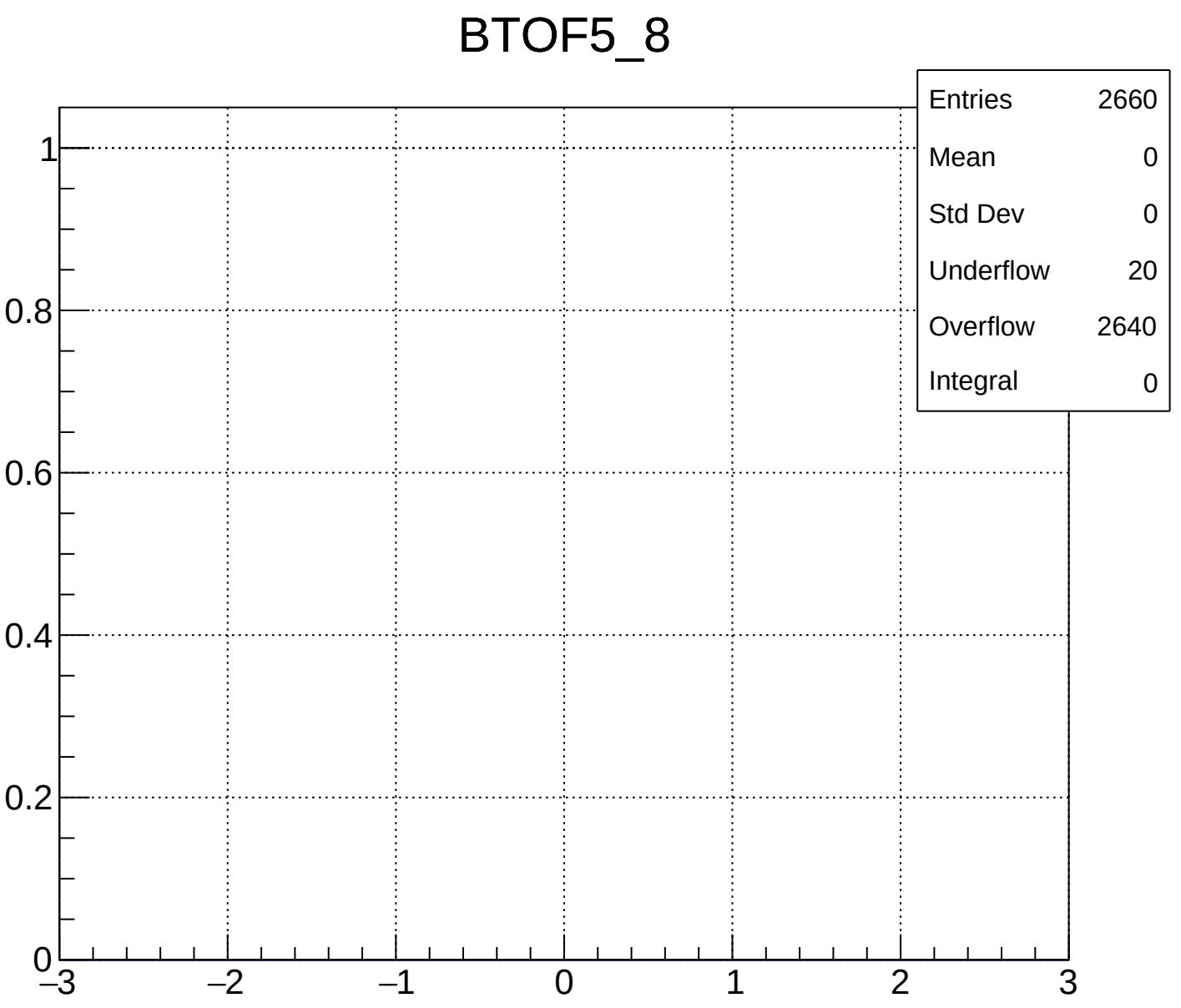

BTOF5_3
Entries 23786
Mean 0.0711
Std Dev 1.487
Underflow 74
Overflow 2.359e+04
Integral 120
4
3.5
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

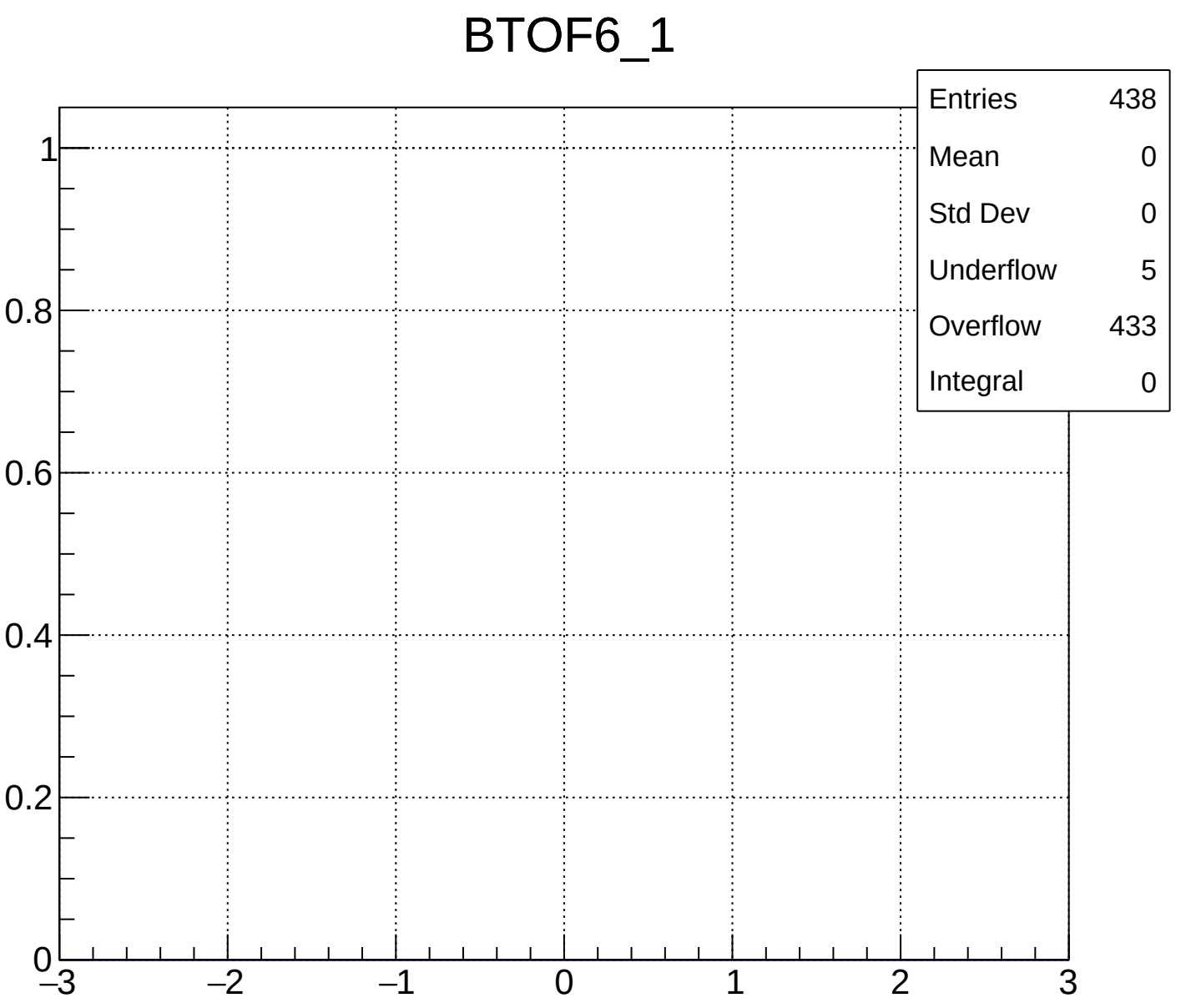

BTOF5_4
Entries 41416
Mean –0.5704
Std Dev 1.582
Underflow 227
Overflow 4.095e+04
Integral 235
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

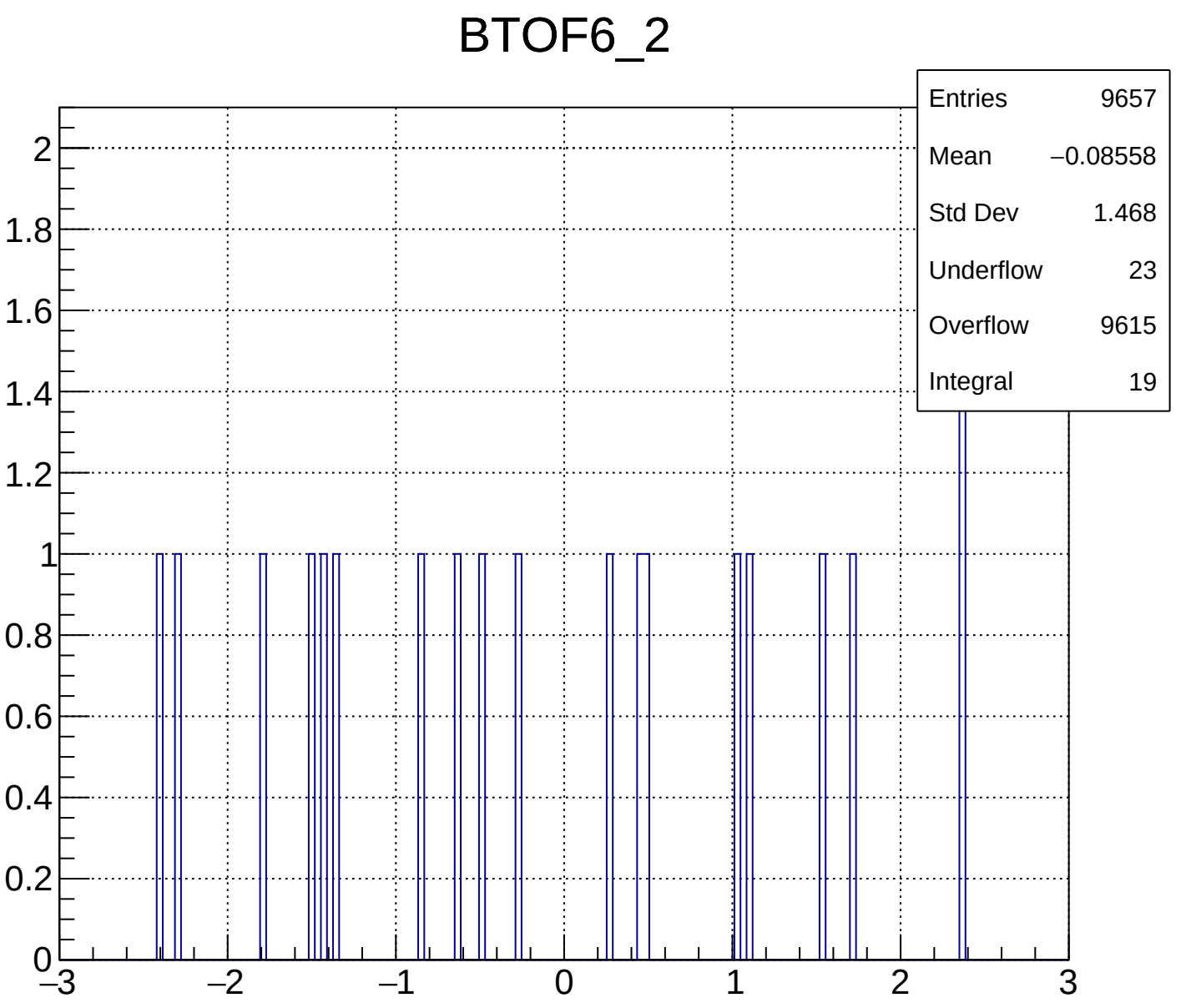

BTOF5_5
Entries 22845
Mean 0.3641
Std Dev 1.462
Underflow 58
Overflow 2.274e+04
Integral 51
3
2.5
2
1.5
1
0.5
0
–3
–2
–1
0
1
2
3

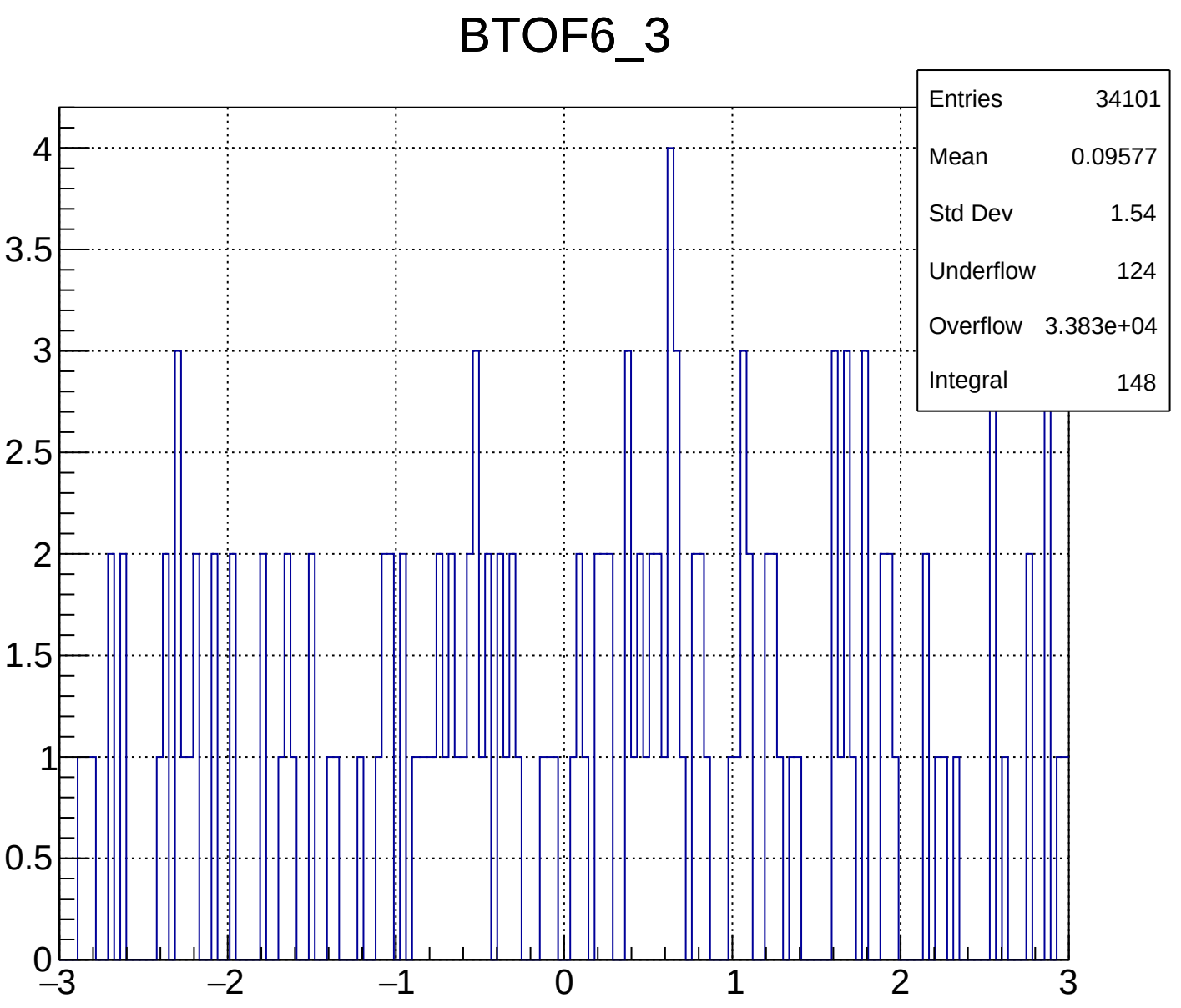

BTOF5_6
Entries 3995
Mean 0.6309
Std Dev 0.9895
Underflow 6
Overflow 3985
Integral 4
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

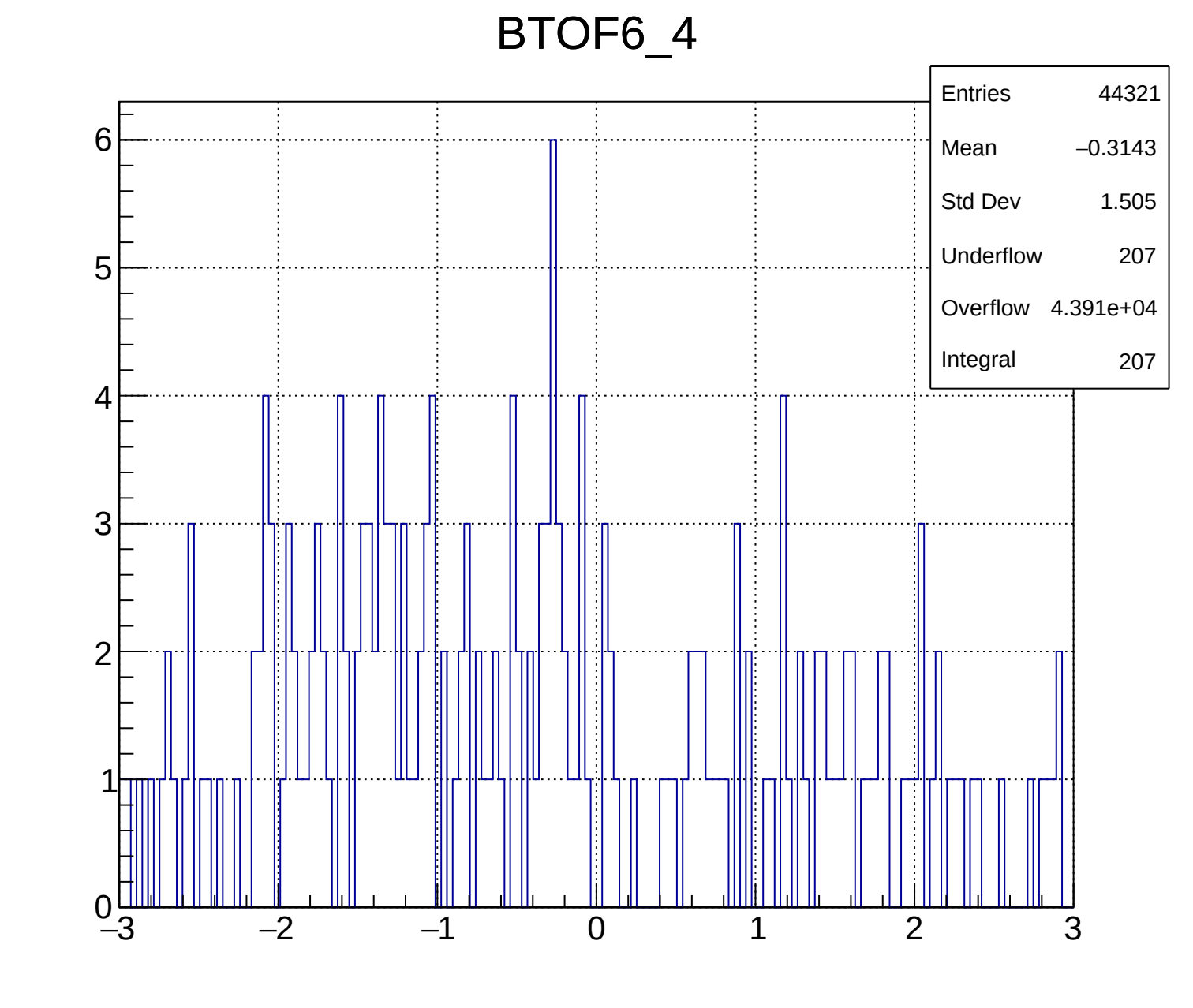

BTOF5_7
Entries 1088
Mean 0
Std Dev 0
Underflow 2
Overflow 1086
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

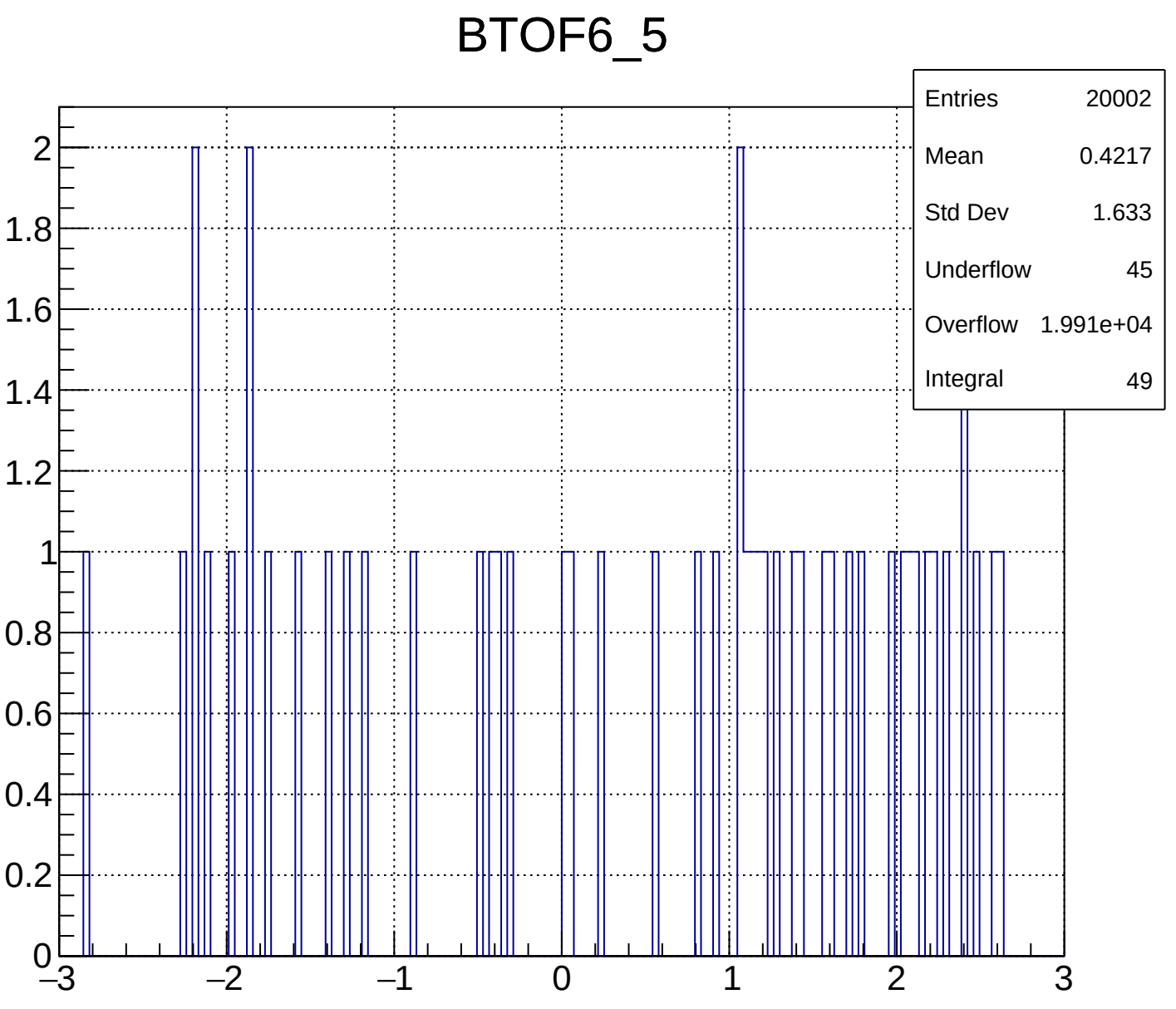

BTOF5_8
Entries 2660
Mean 0
Std Dev 0
Underflow 20
Overflow 2640
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

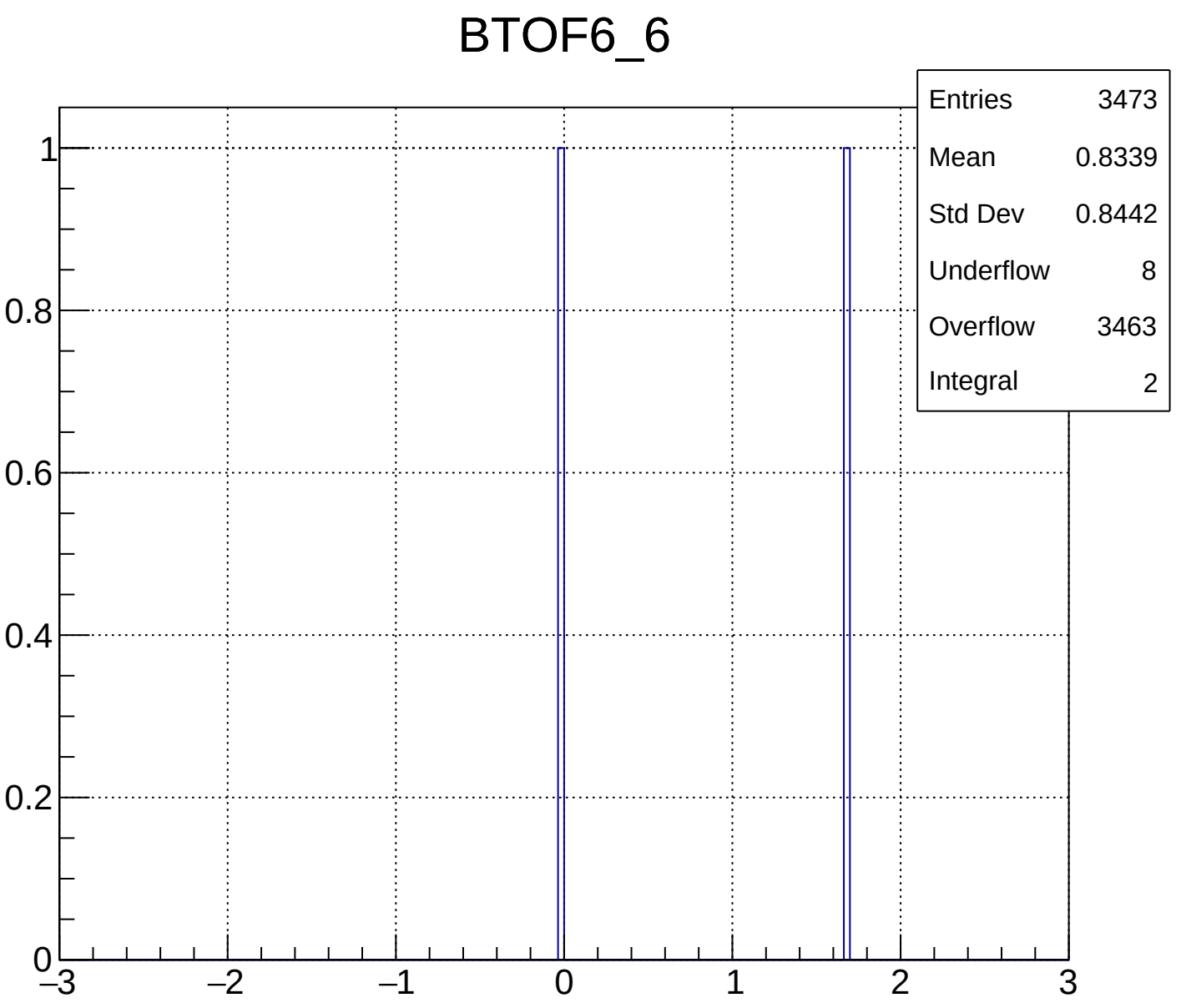

BTOF6_1
Entries 438
Mean 0
Std Dev 0
Underflow 5
Overflow 433
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

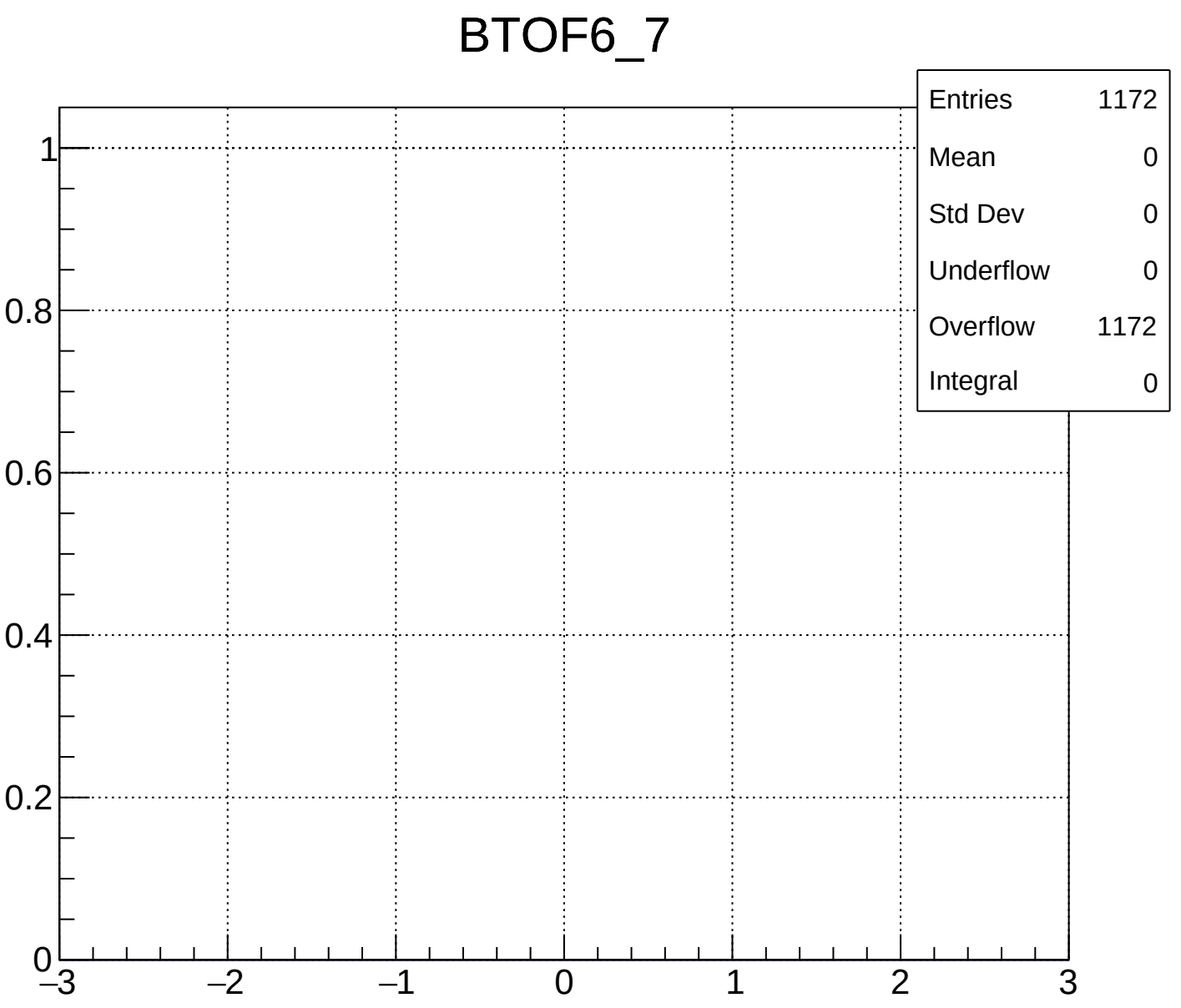

BTOF6_2
Entries 9657
Mean −0.08558
Std Dev 1.468
Underflow 23
Overflow 9615
Integral 19
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

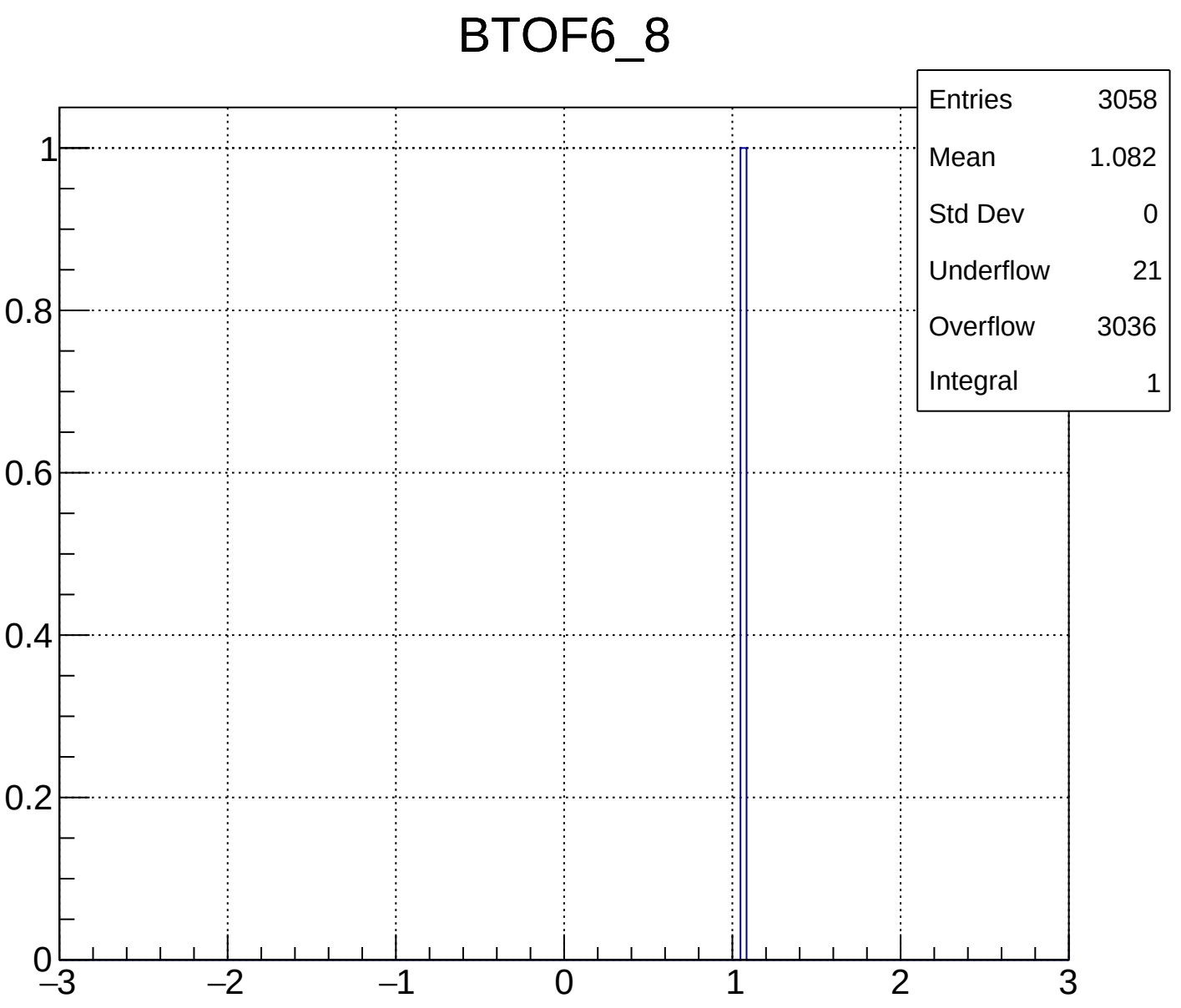

BTOF6_3
Entries 34101
Mean 0.09577
Std Dev 1.54
Underflow 124
Overflow 3.383e+04
Integral 148
4
3.5
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

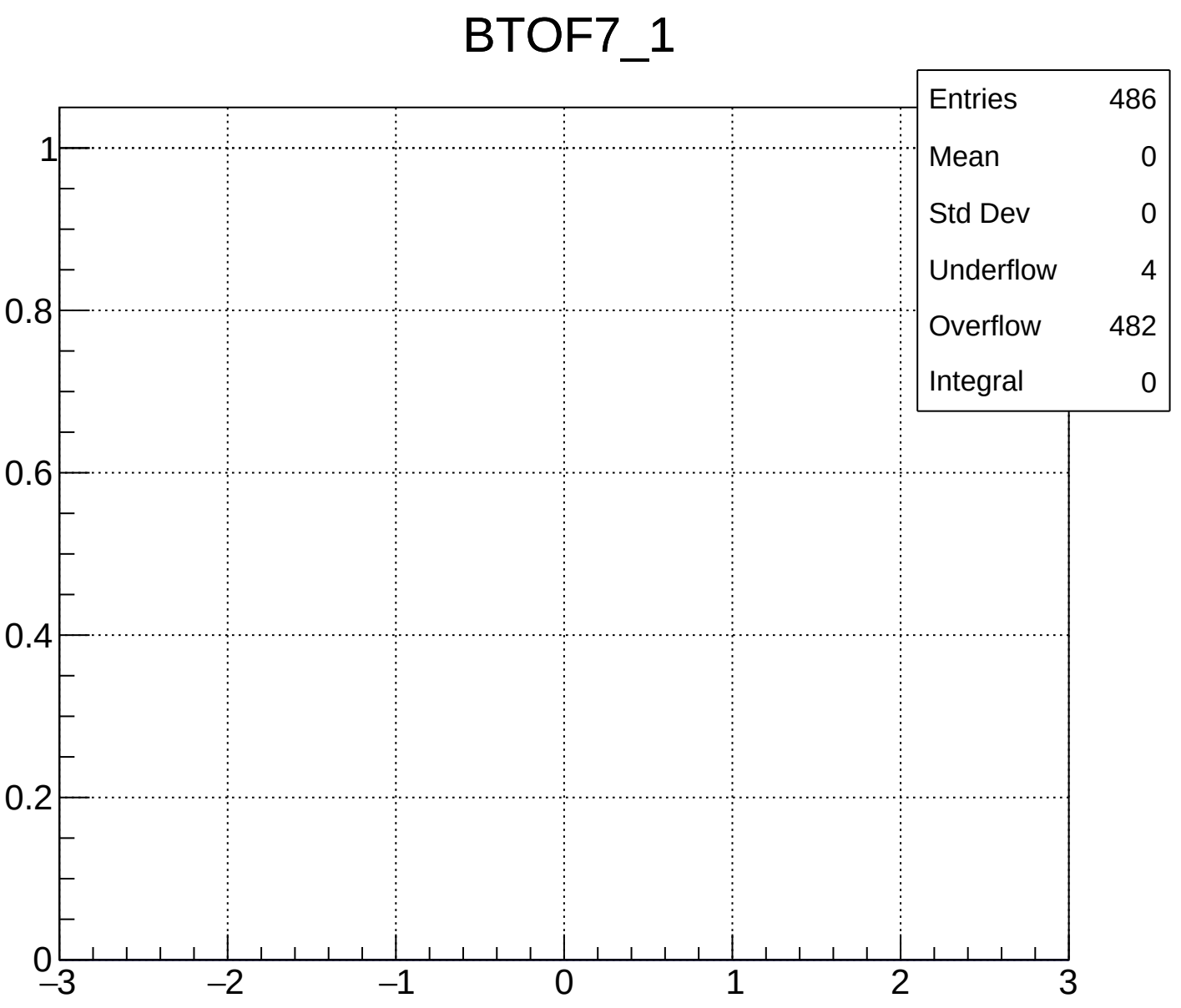

BTOF6_4
Entries 44321
Mean –0.3143
Std Dev 1.505
Underflow 207
Overflow 4.391e+04
Integral 207
6
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

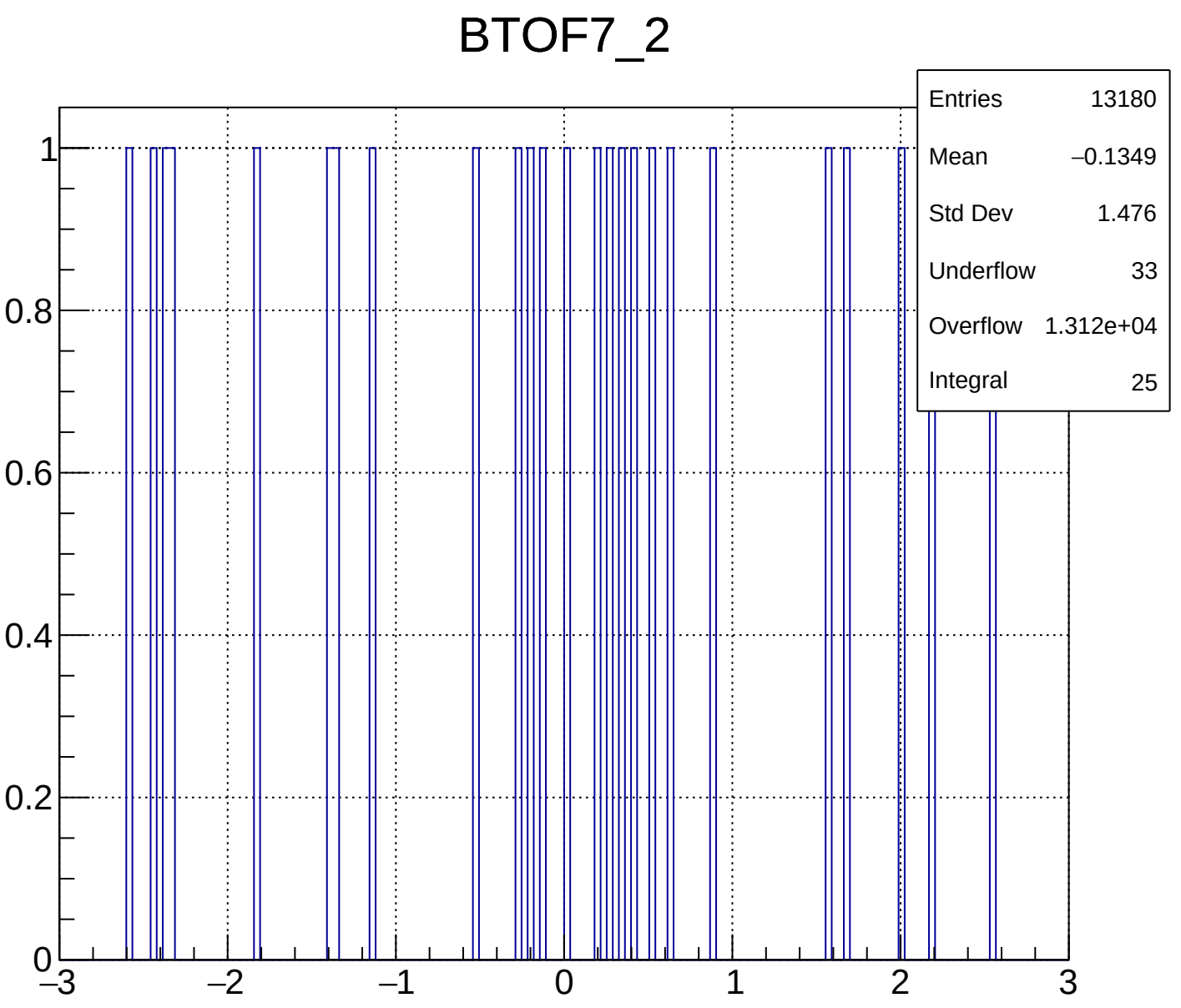

BTOF6_5
Entries 20002
Mean 0.4217
Std Dev 1.633
Underflow 45
Overflow 1.991e+04
Integral 49
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

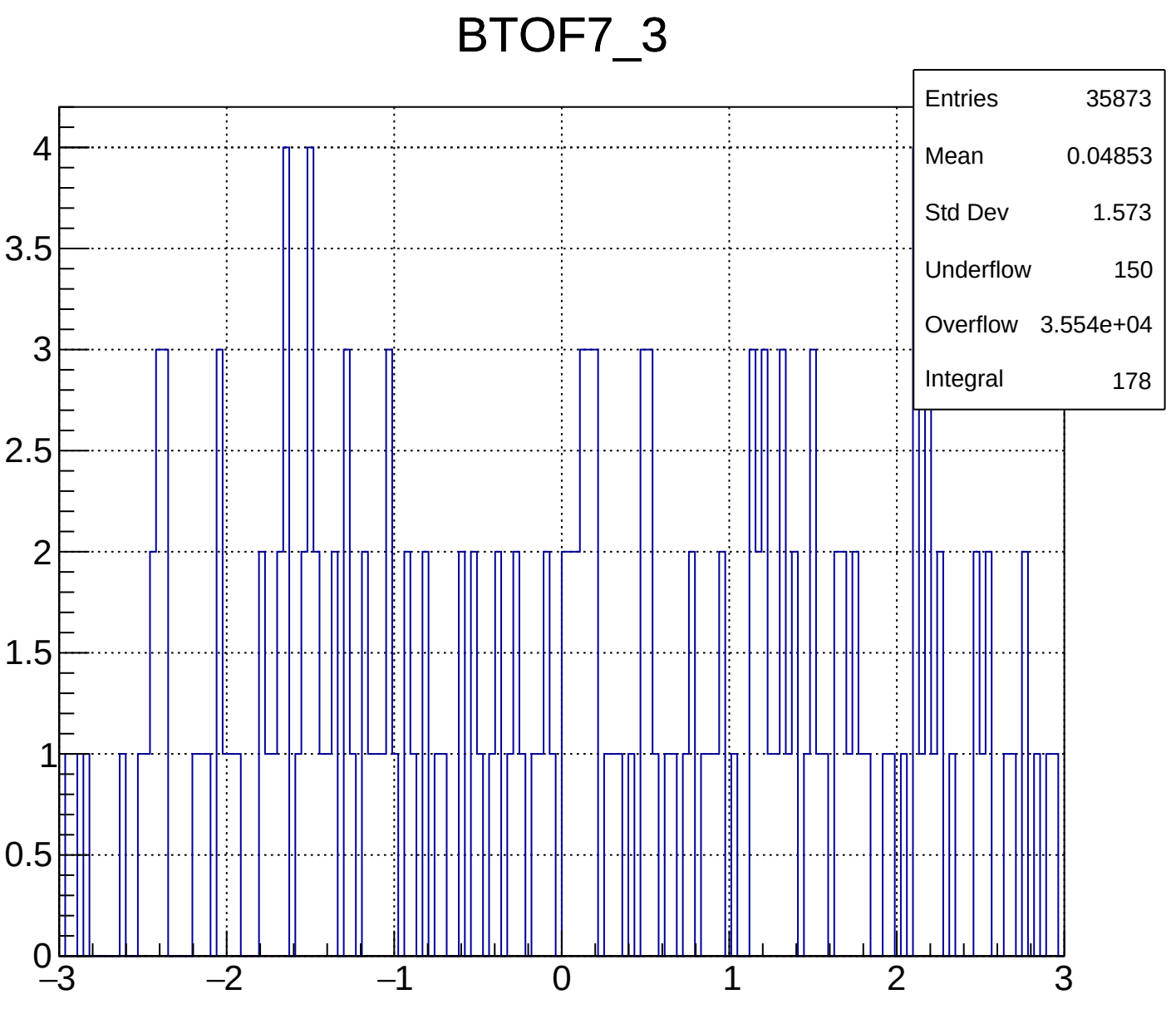

BTOF6_6
Entries 3473
Mean 0.8339
Std Dev 0.8442
Underflow 8
Overflow 3463
Integral 2
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

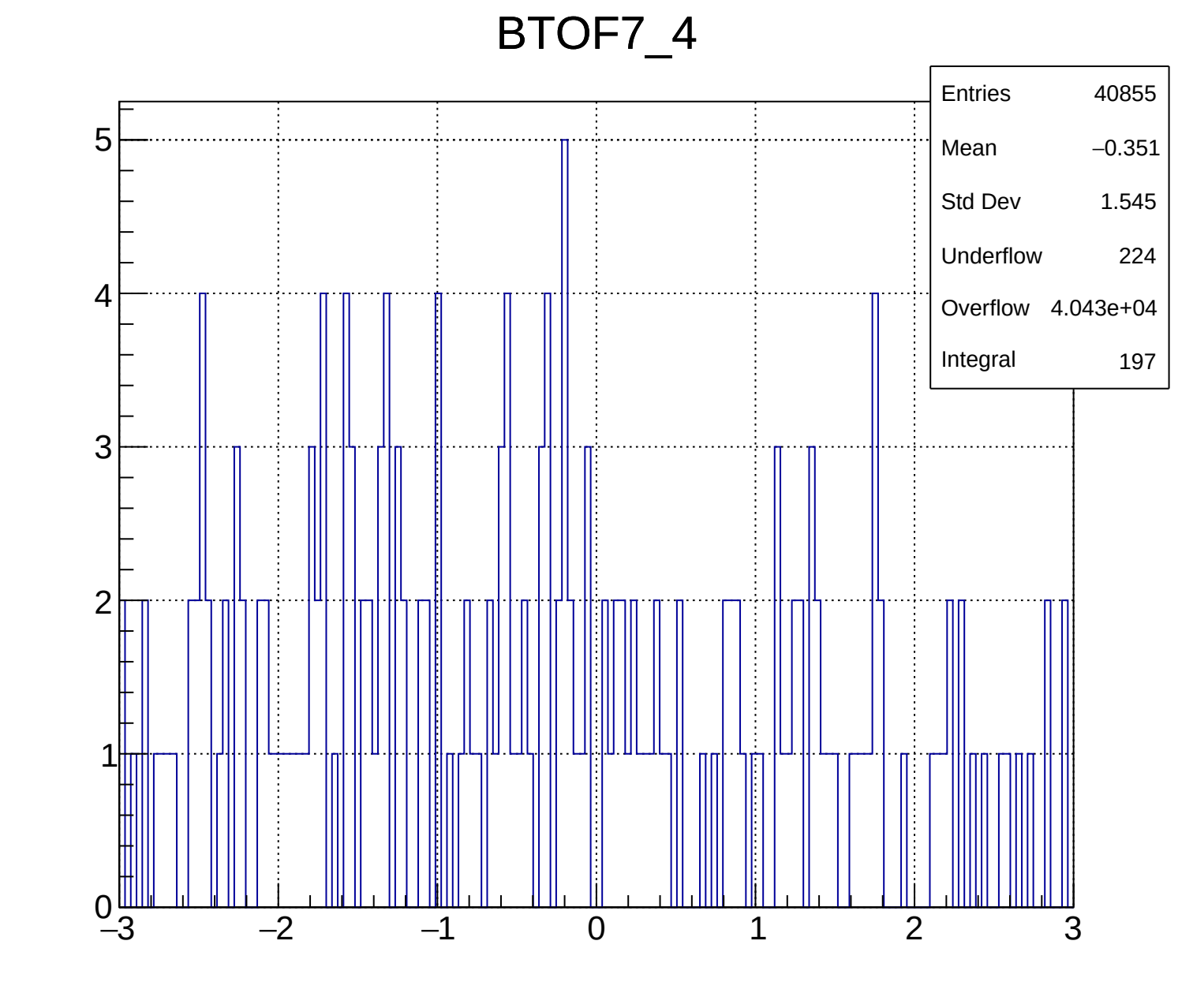

BTOF6_7
Entries 1172
Mean 0
Std Dev 0
Underflow 0
Overflow 1172
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

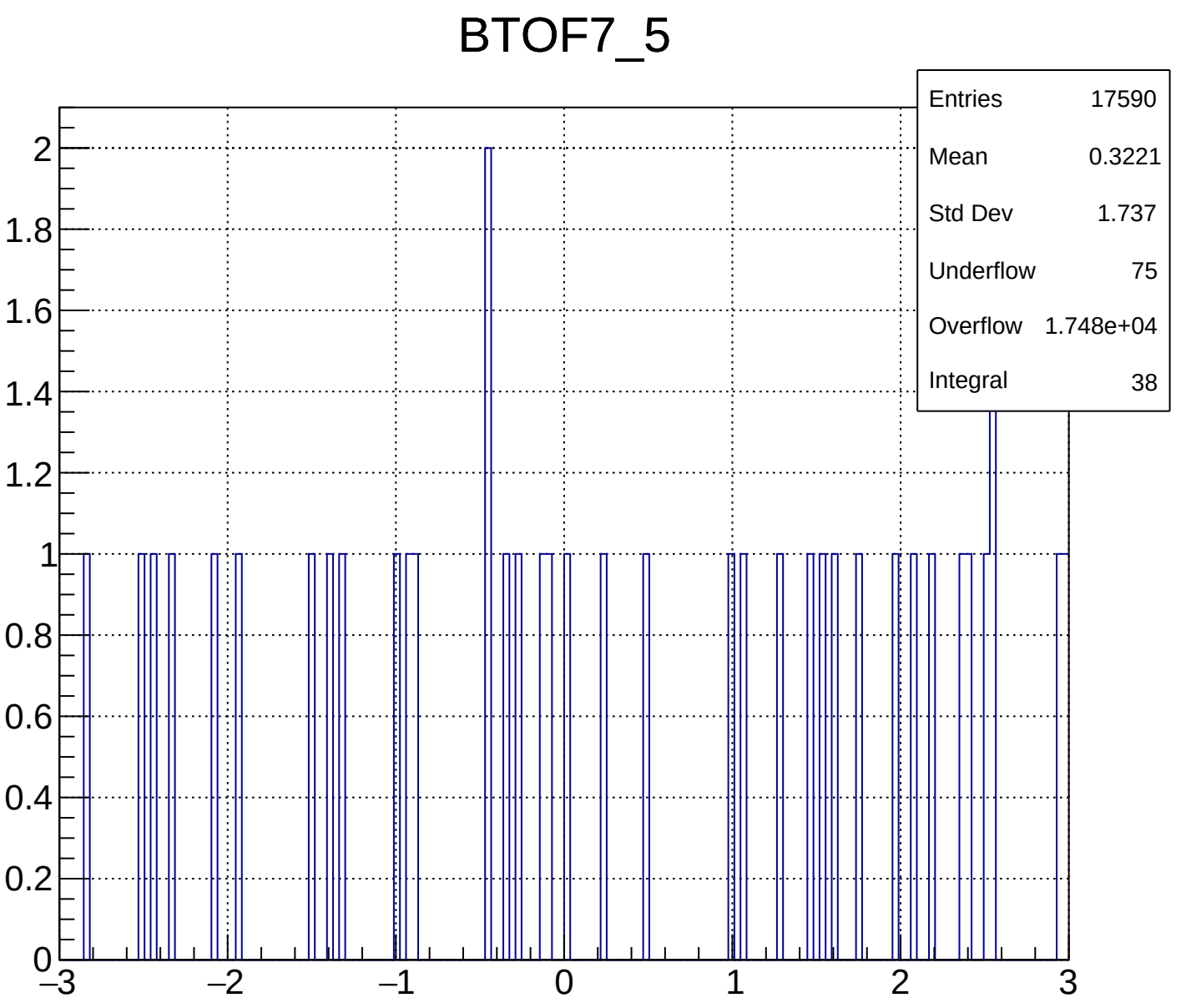

BTOF6_8
Entries 3058
Mean 1.082
Std Dev 0
Underflow 21
Overflow 3036
Integral 1
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

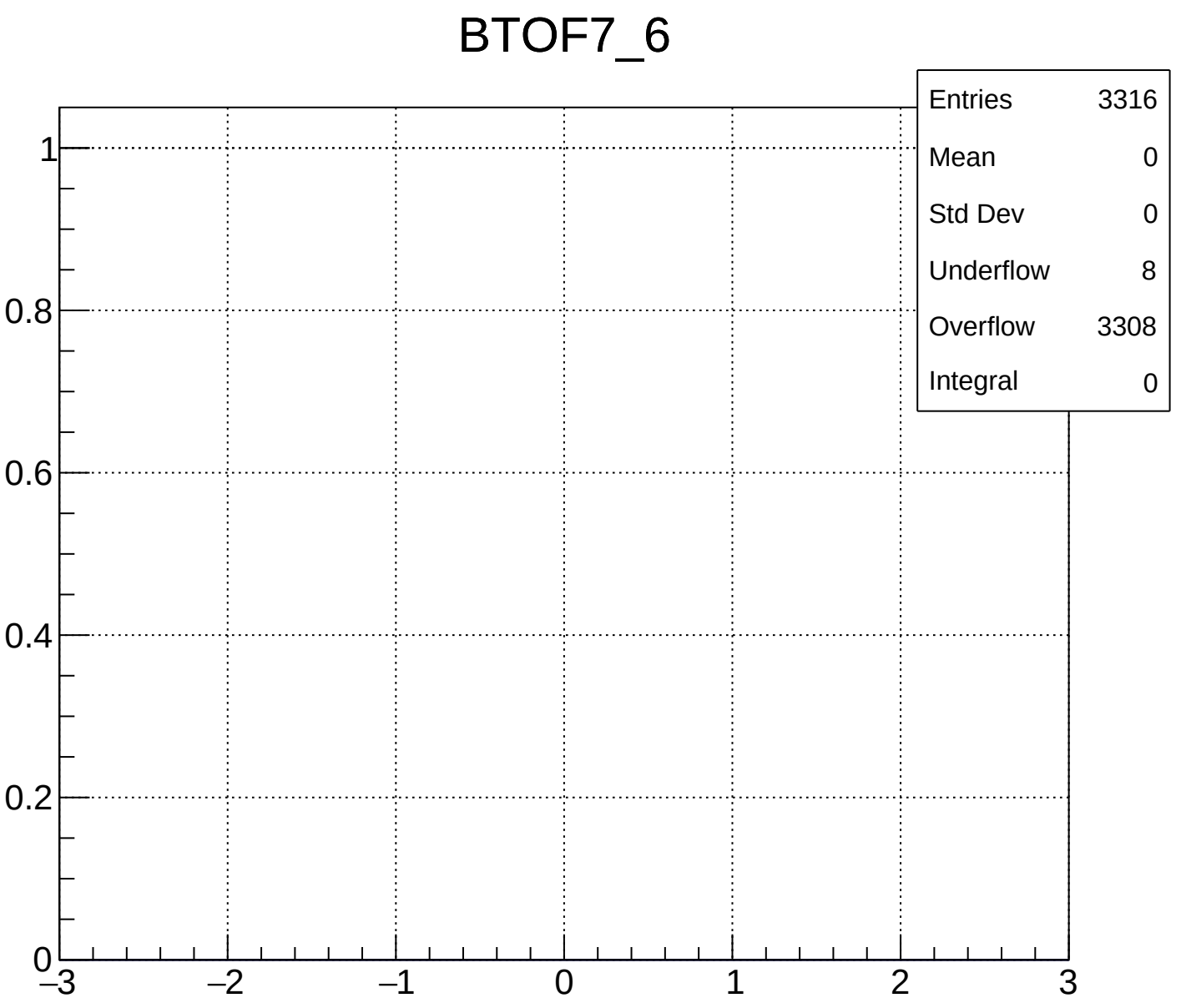

BTOF7_1
Entries 486
Mean 0
Std Dev 0
Underflow 4
Overflow 482
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

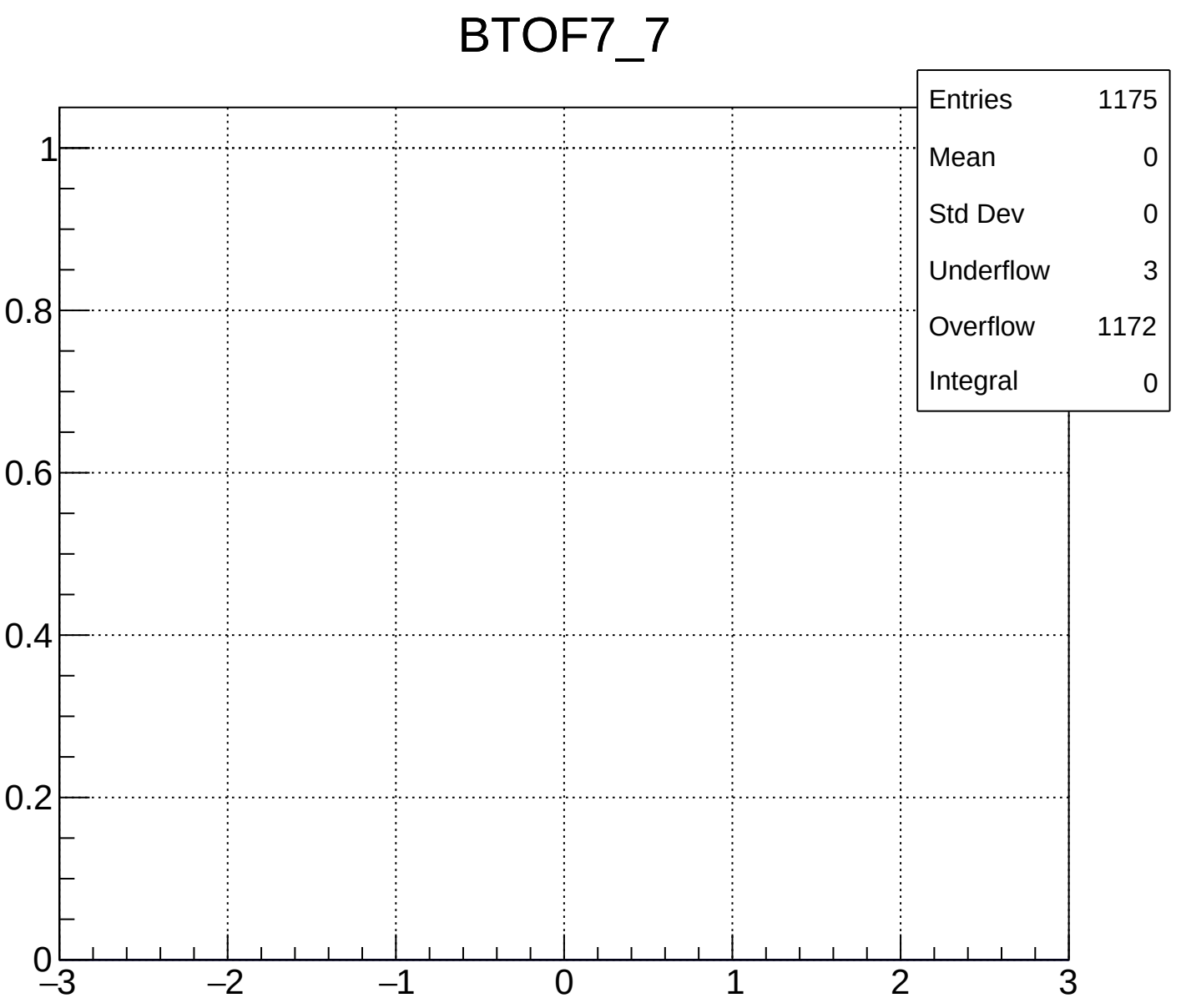

BTOF7_2
Entries 13180
Mean –0.1349
Std Dev 1.476
Underflow 33
Overflow 1.312e+04
Integral 25
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

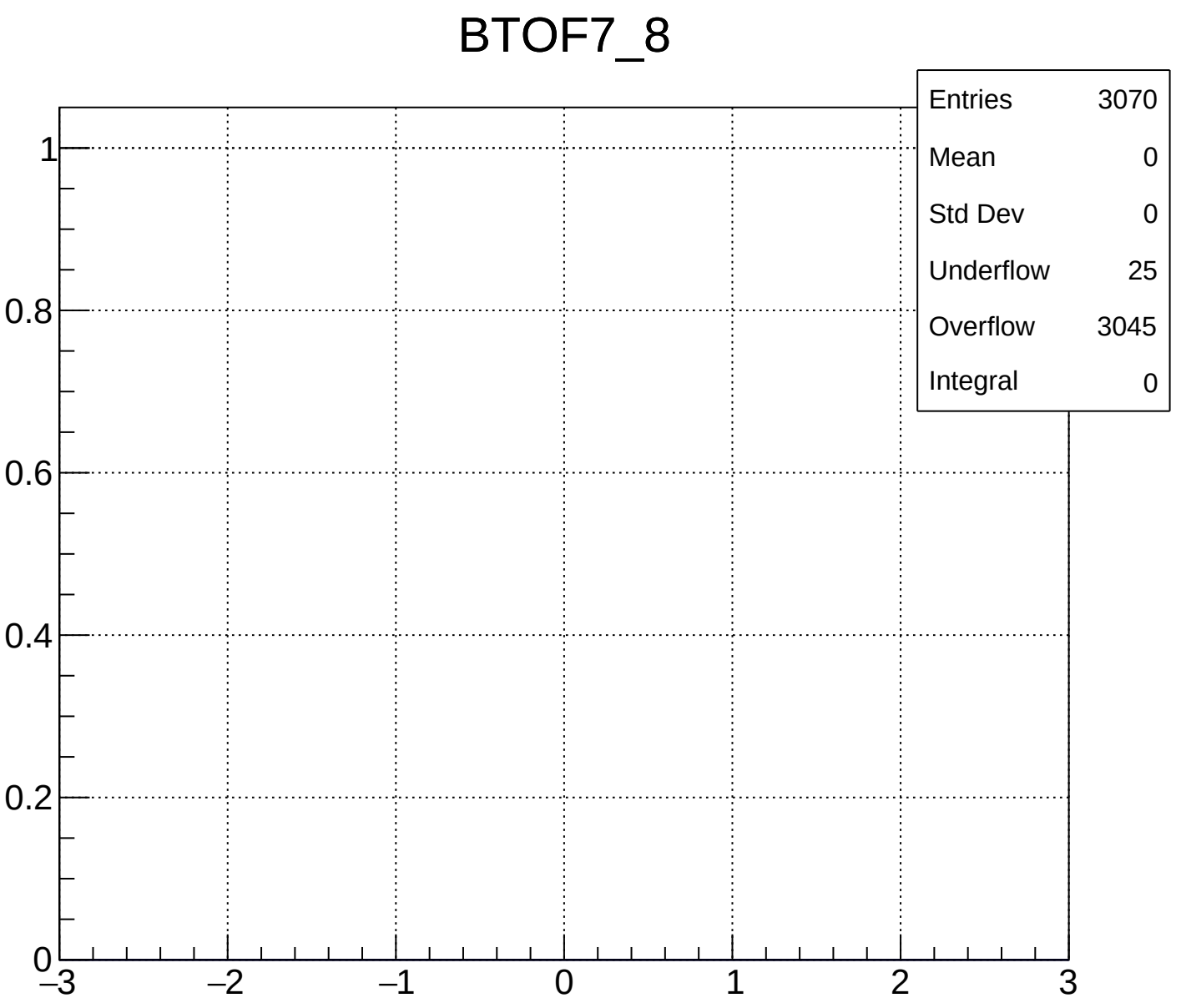

BTOF7_3
Entries 35873
Mean 0.04853
Std Dev 1.573
Underflow 150
Overflow 3.554e+04
Integral 178
4
3.5
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

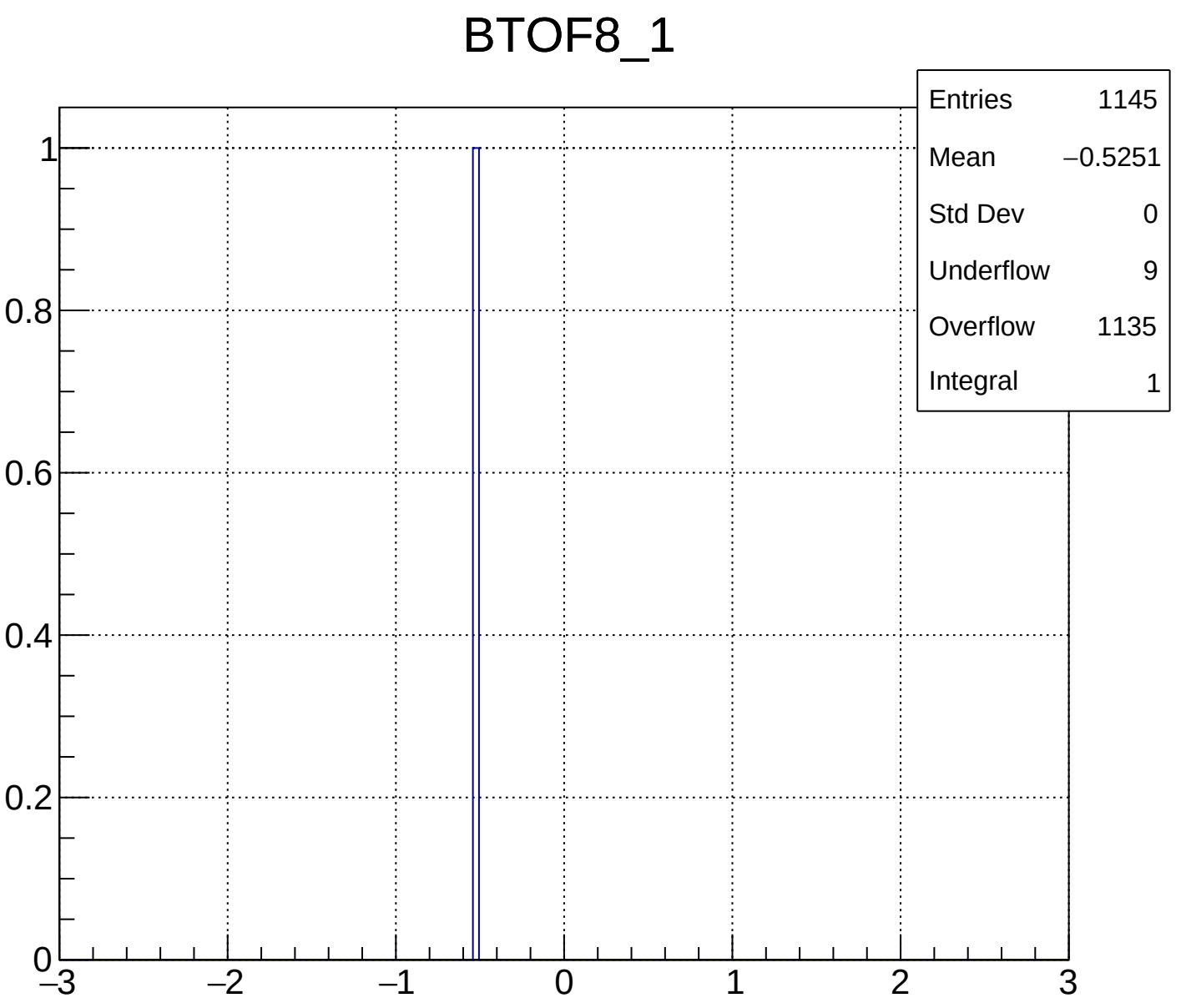

BTOF7_4
Entries 40855
Mean −0.351
Std Dev 1.545
Underflow 224
Overflow 4.043e+04
Integral 197
5
4
3
2
1
0
−3
−2
−1
0
1
2
3

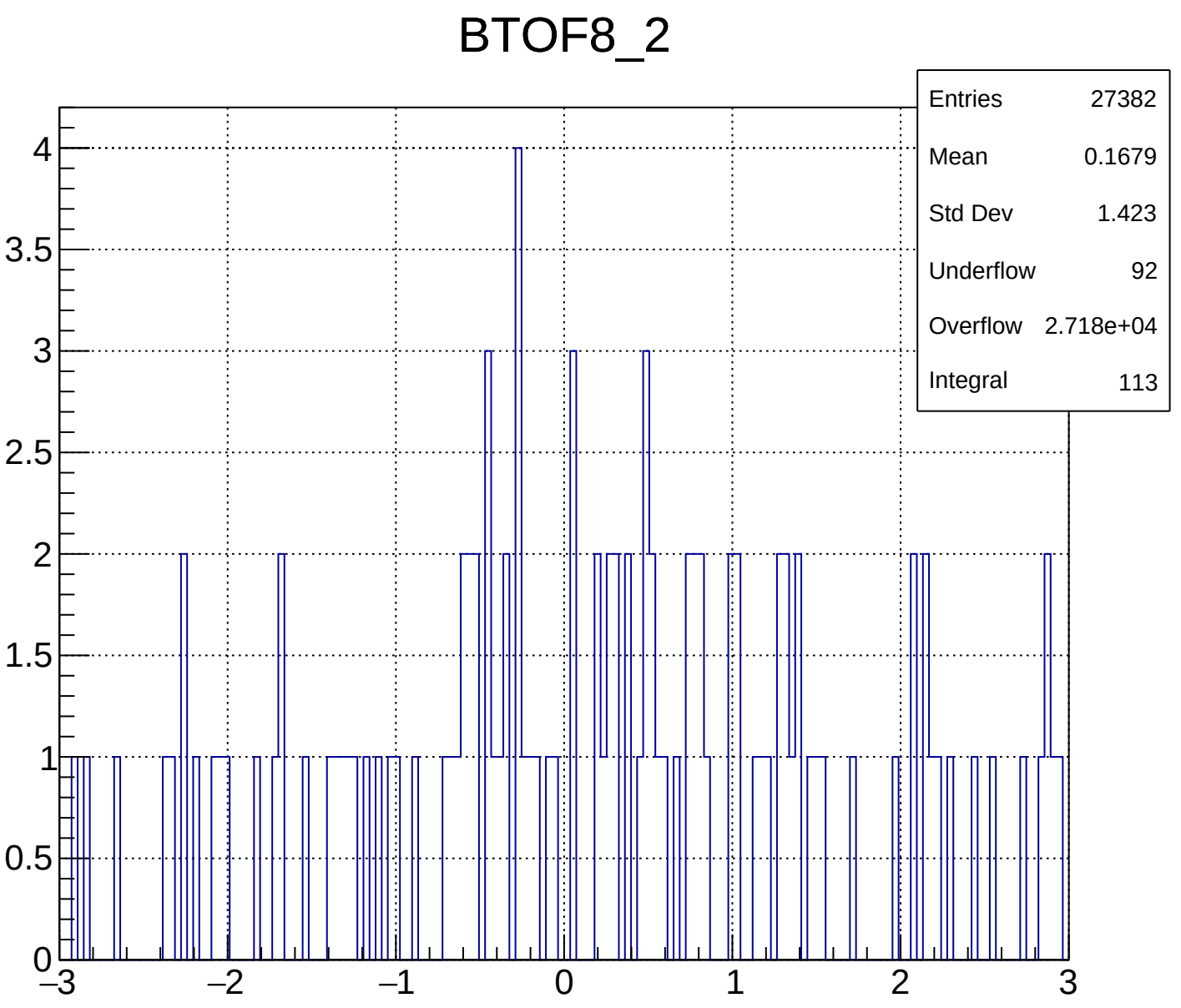

BTOF7_5
Entries 17590
Mean 0.3221
Std Dev 1.737
Underflow 75
Overflow 1.748e+04
Integral 38
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

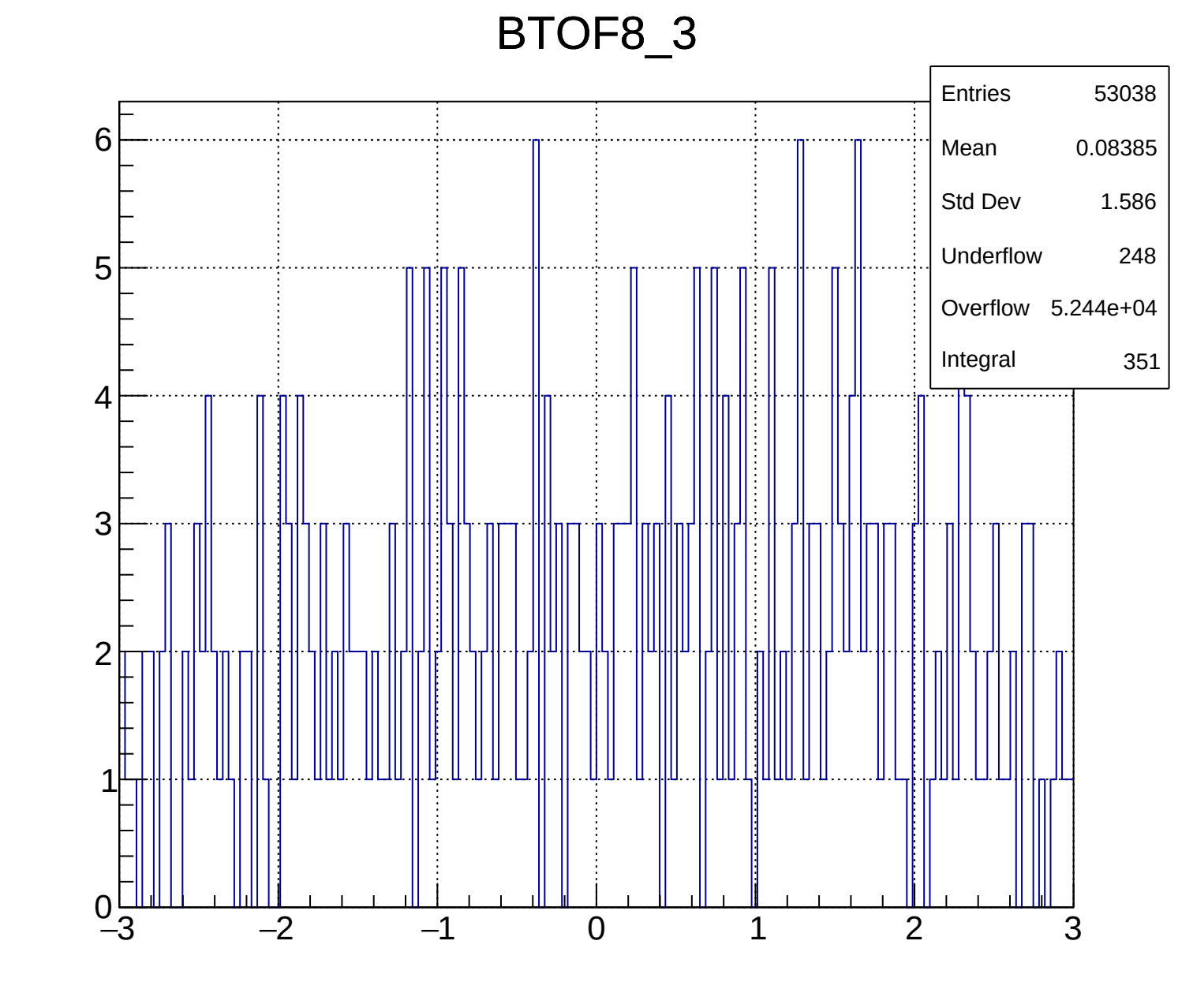

BTOF7_6
Entries 3316
Mean 0
Std Dev 0
Underflow 8
Overflow 3308
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

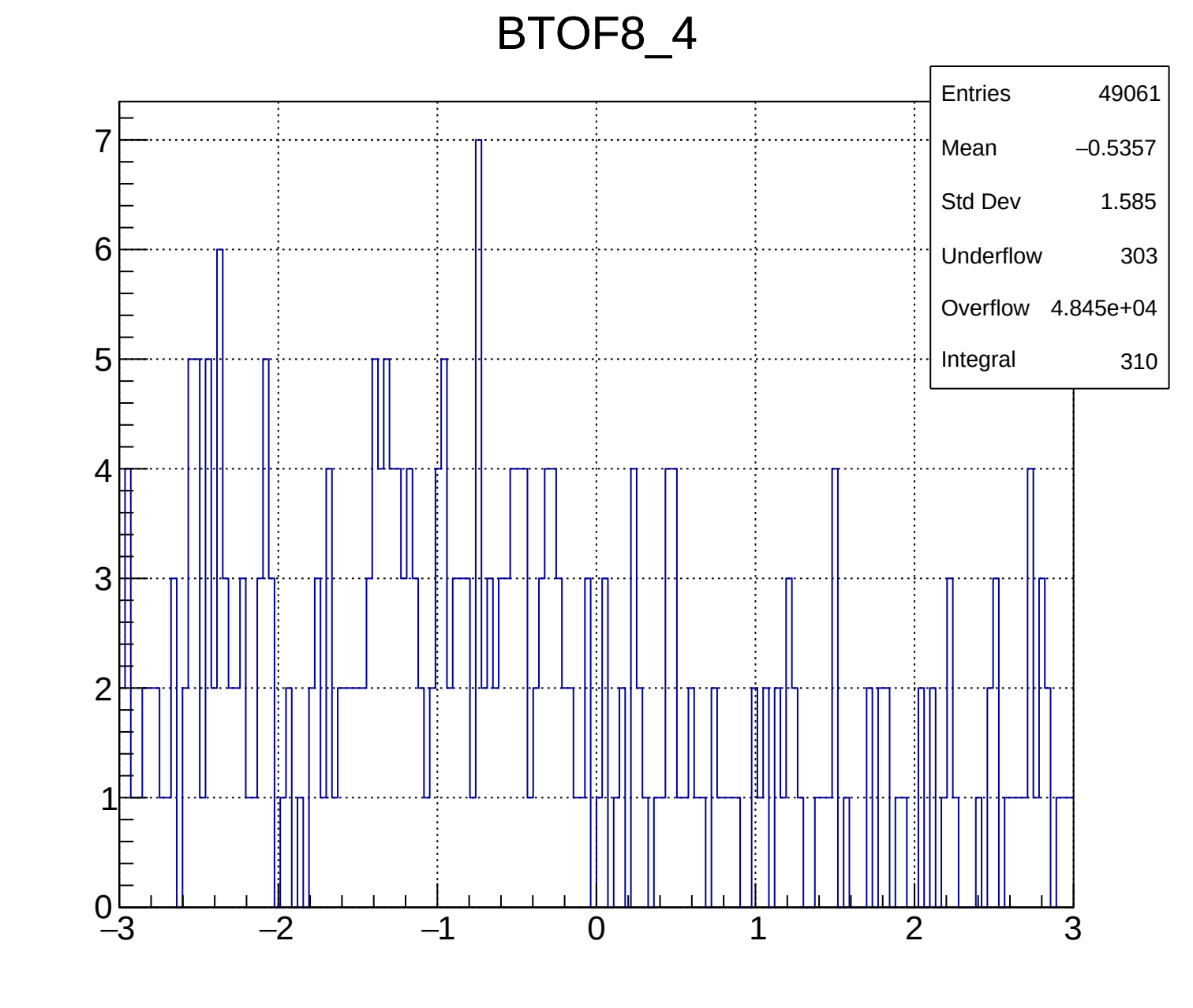

BTOF7_7
Entries 1175
Mean 0
Std Dev 0
Underflow 3
Overflow 1172
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

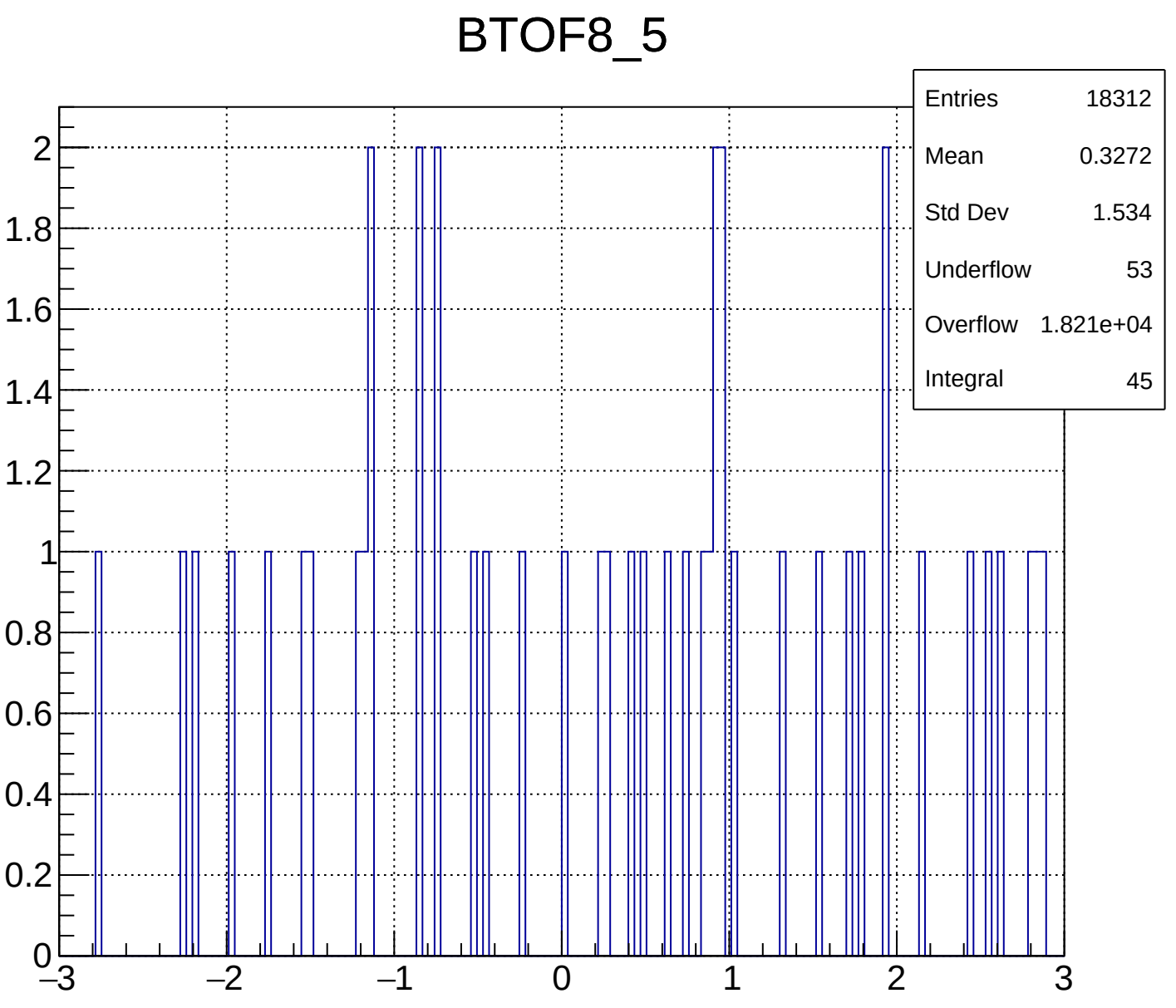

BTOF7_8
Entries 3070
Mean 0
Std Dev 0
Underflow 25
Overflow 3045
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

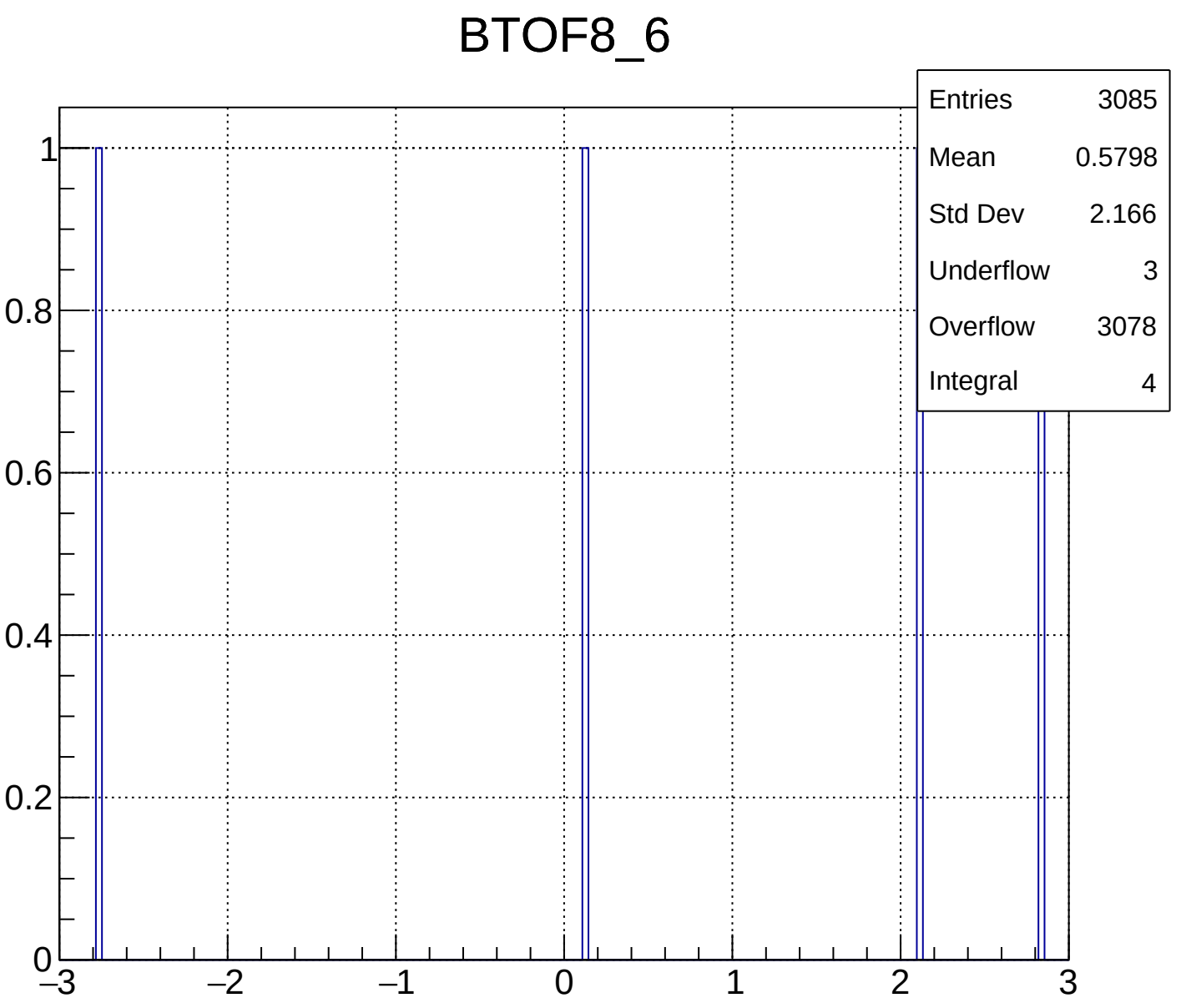

BTOF8_1
Entries 1145
Mean −0.5251
Std Dev 0
Underflow 9
Overflow 1135
Integral 1
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

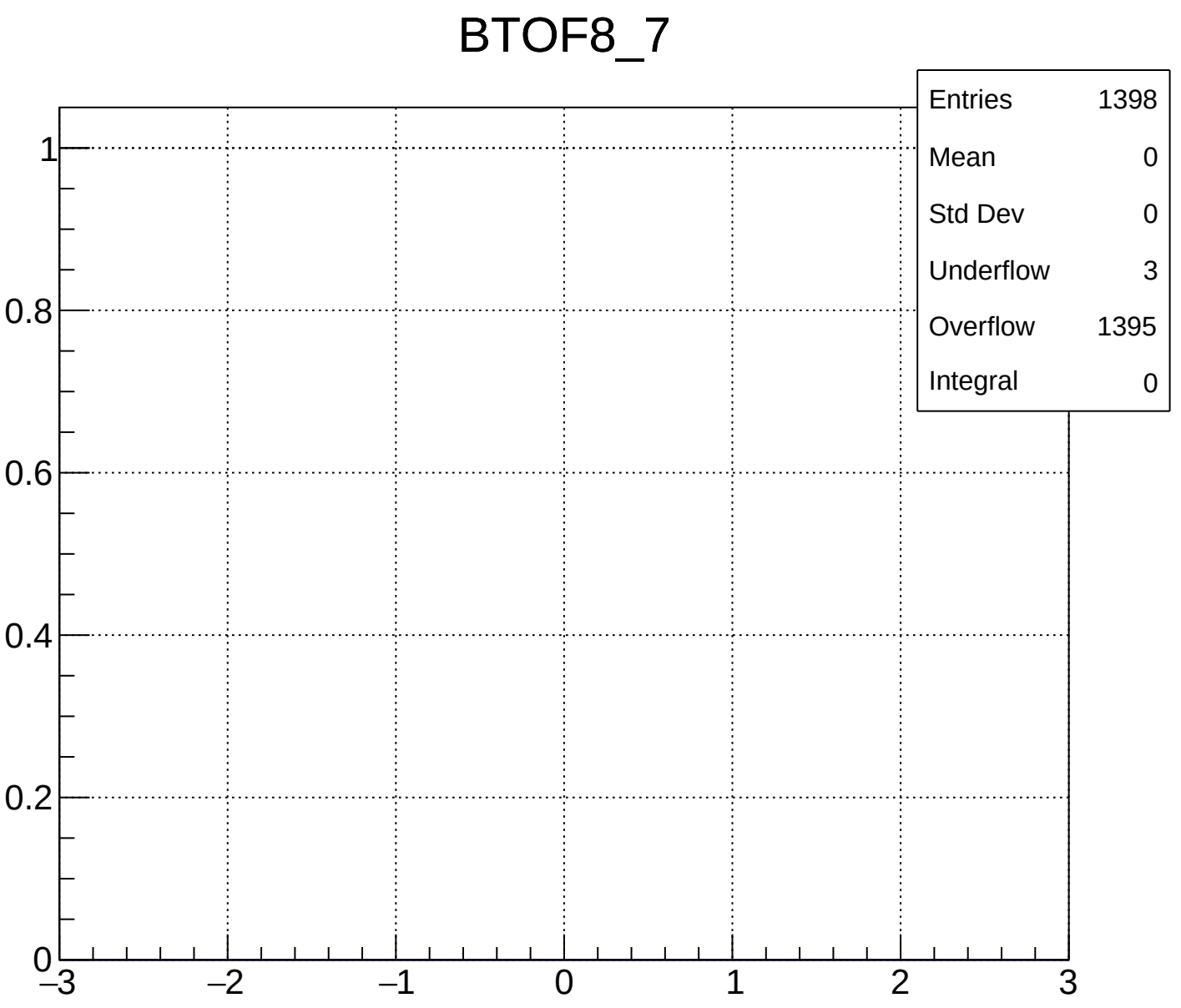

BTOF8_2
Entries 27382
Mean 0.1679
Std Dev 1.423
Underflow 92
Overflow 2.718e+04
Integral 113
4
3.5
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

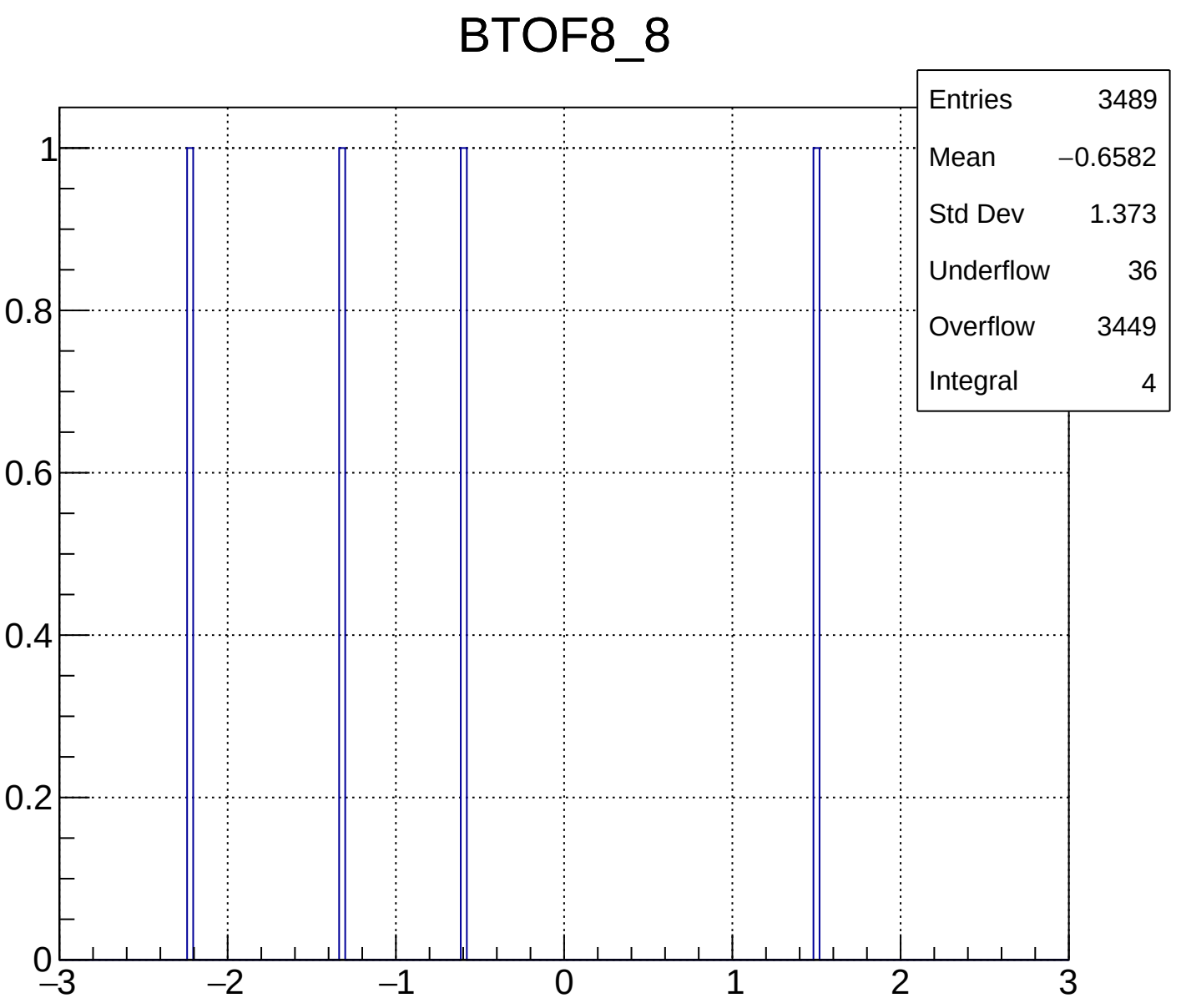

BTOF8_3
Entries 53038
Mean 0.08385
Std Dev 1.586
Underflow 248
Overflow 5.244e+04
Integral 351
6
5
4
3
2
1
0
−3
−2
−1
0
1
2
3

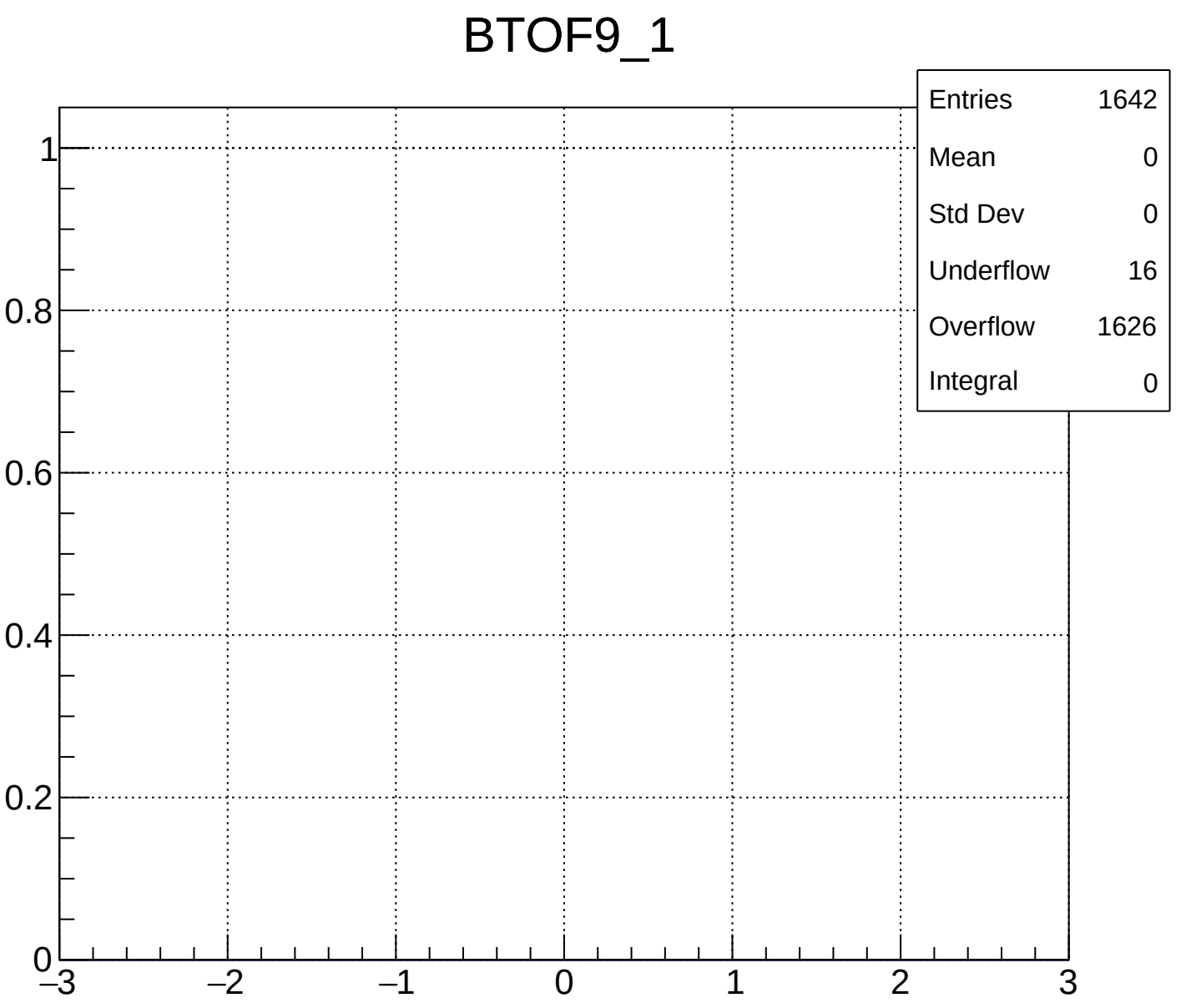

BTOF8_4
Entries 49061
Mean –0.5357
Std Dev 1.585
Underflow 303
Overflow 4.845e+04
Integral 310
0
1
2
3
4
5
6
7
–3
–2
–1
0
1
2
3

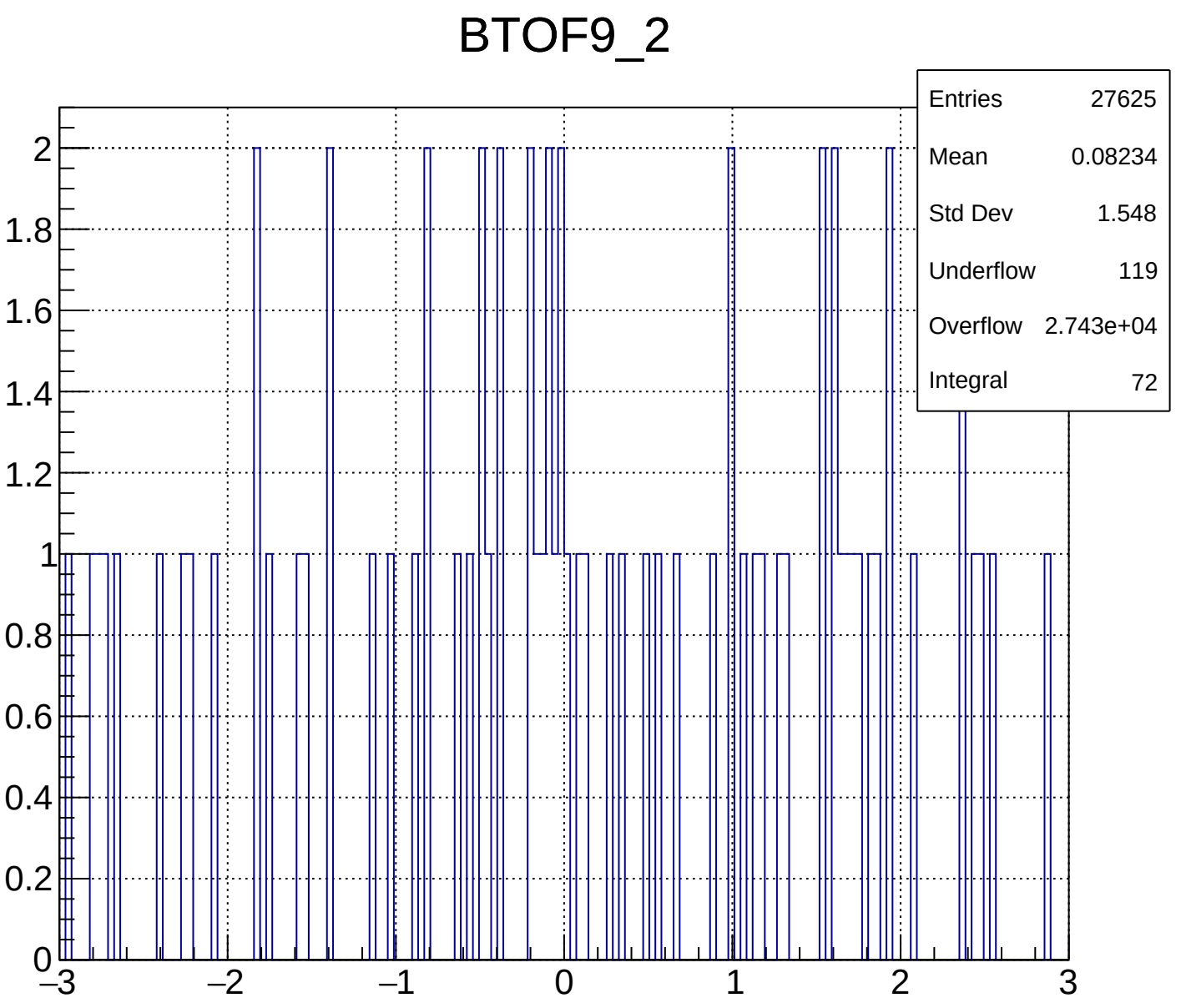

BTOF8_5
Entries 18312
Mean 0.3272
Std Dev 1.534
Underflow 53
Overflow 1.821e+04
Integral 45
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

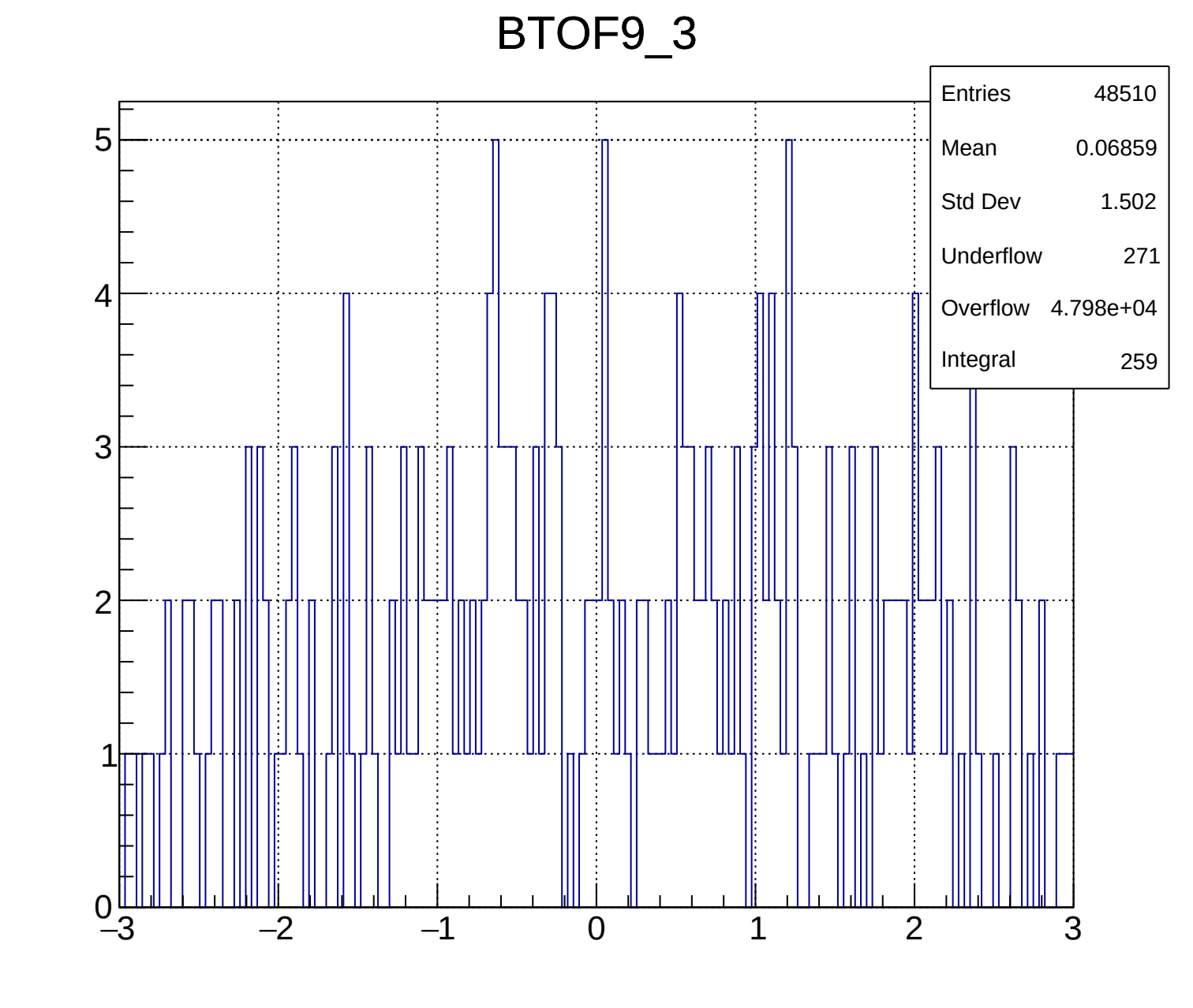

BTOF8_6
Entries 3085
Mean 0.5798
Std Dev 2.166
Underflow 3
Overflow 3078
Integral 4
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

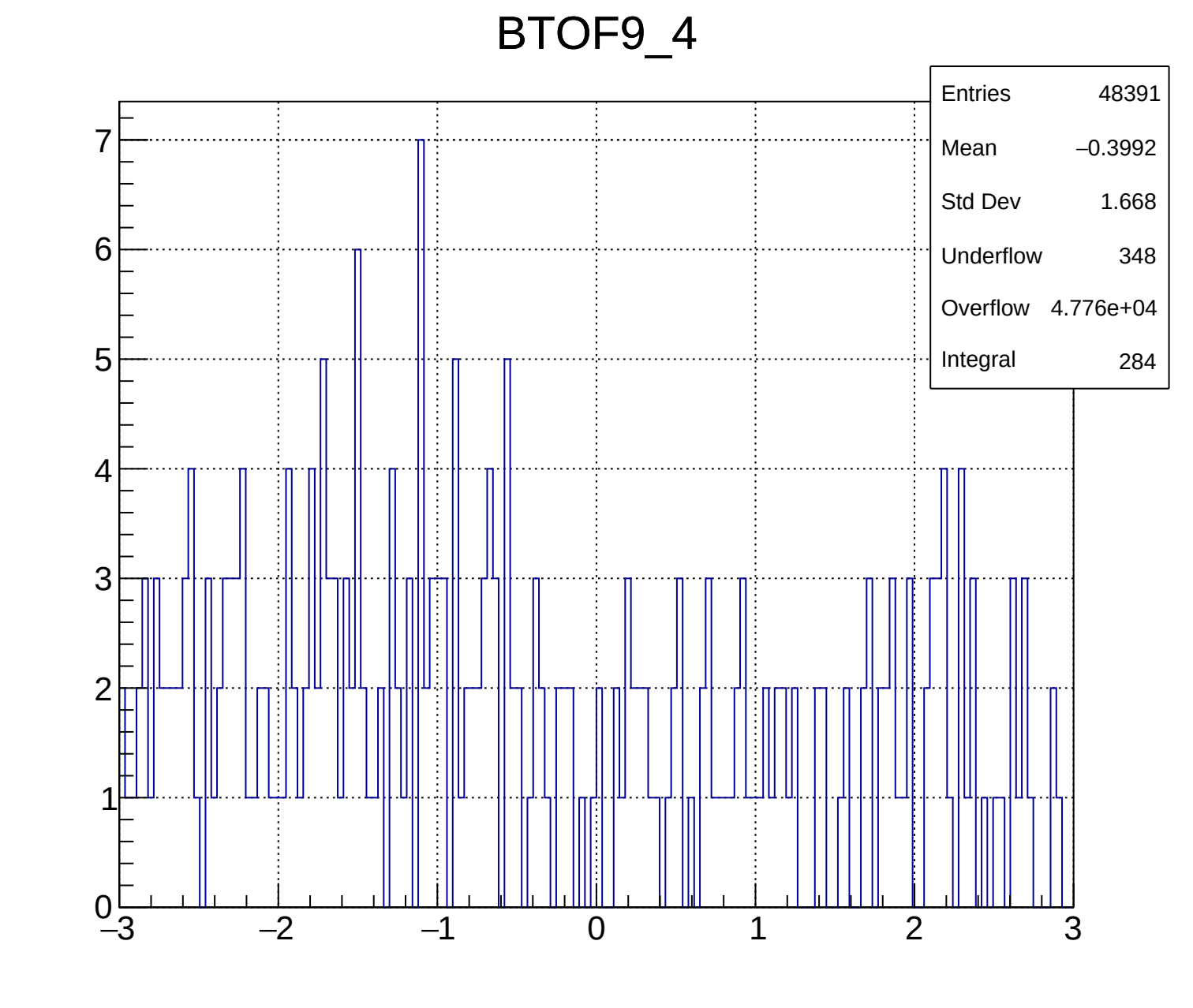

BTOF8_7
Entries 1398
Mean 0
Std Dev 0
Underflow 3
Overflow 1395
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

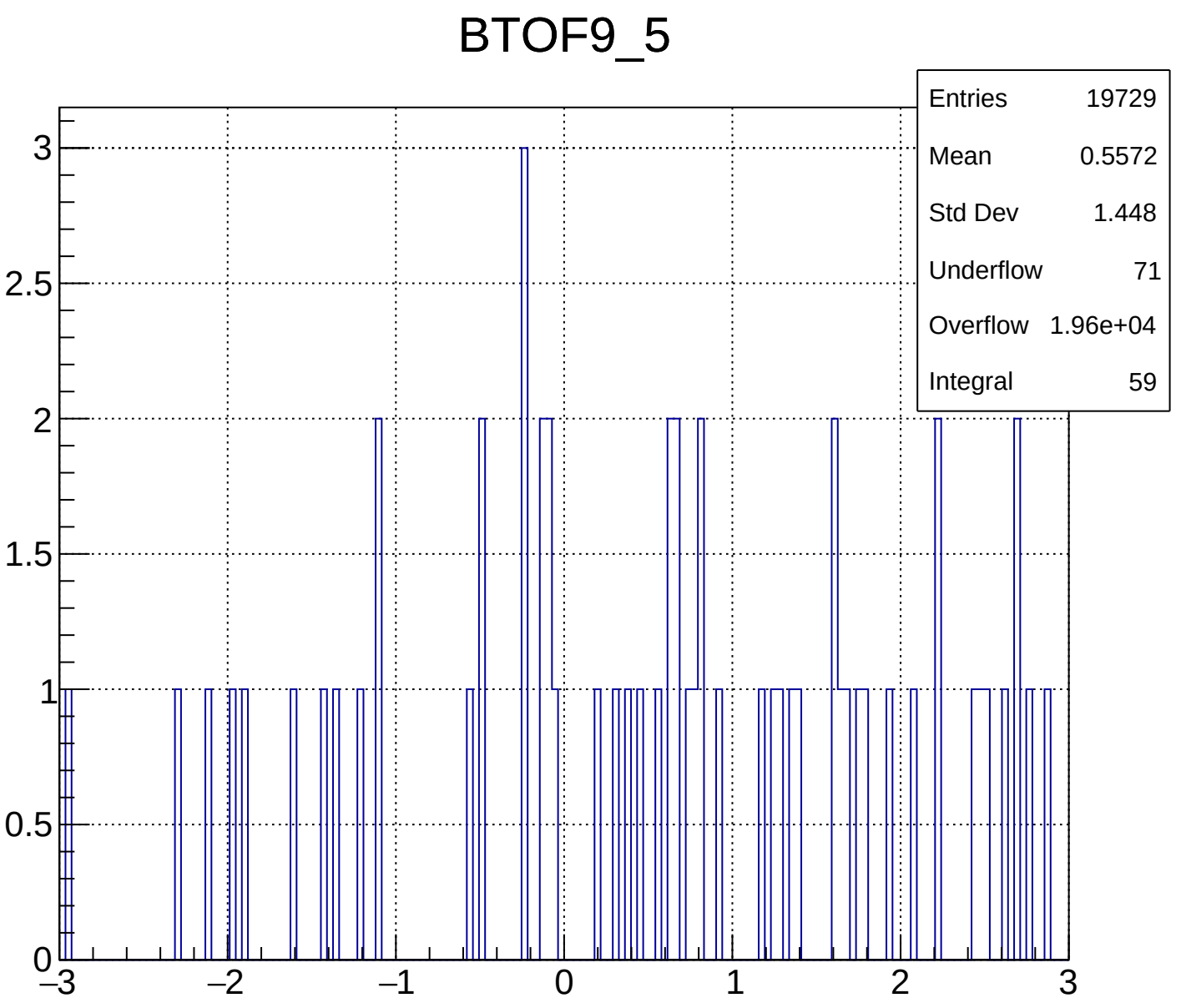

BTOF8_8
Entries 3489
Mean −0.6582
Std Dev 1.373
Underflow 36
Overflow 3449
Integral 4
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

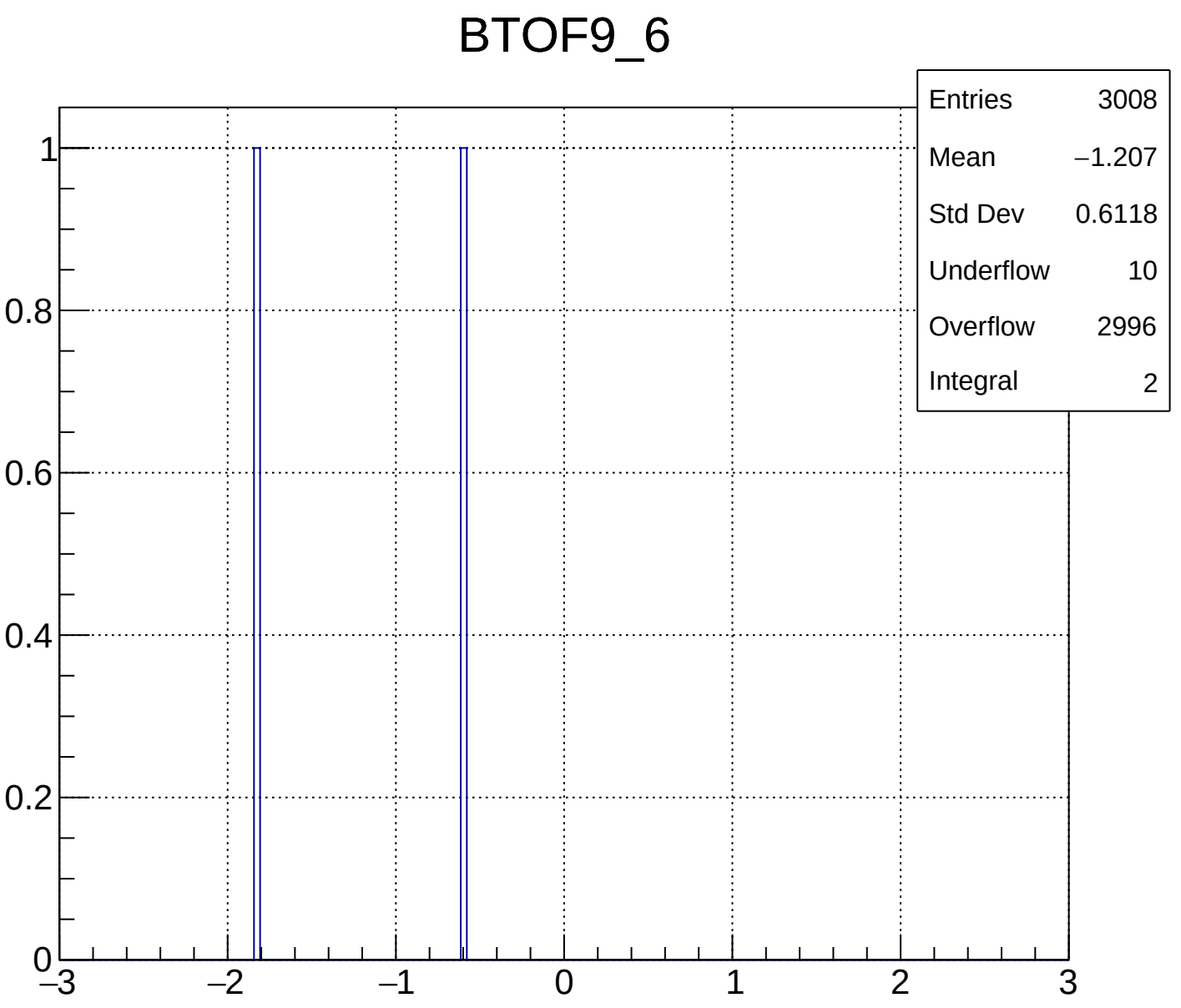

BTOF9_1
Entries 1642
Mean 0
Std Dev 0
Underflow 16
Overflow 1626
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

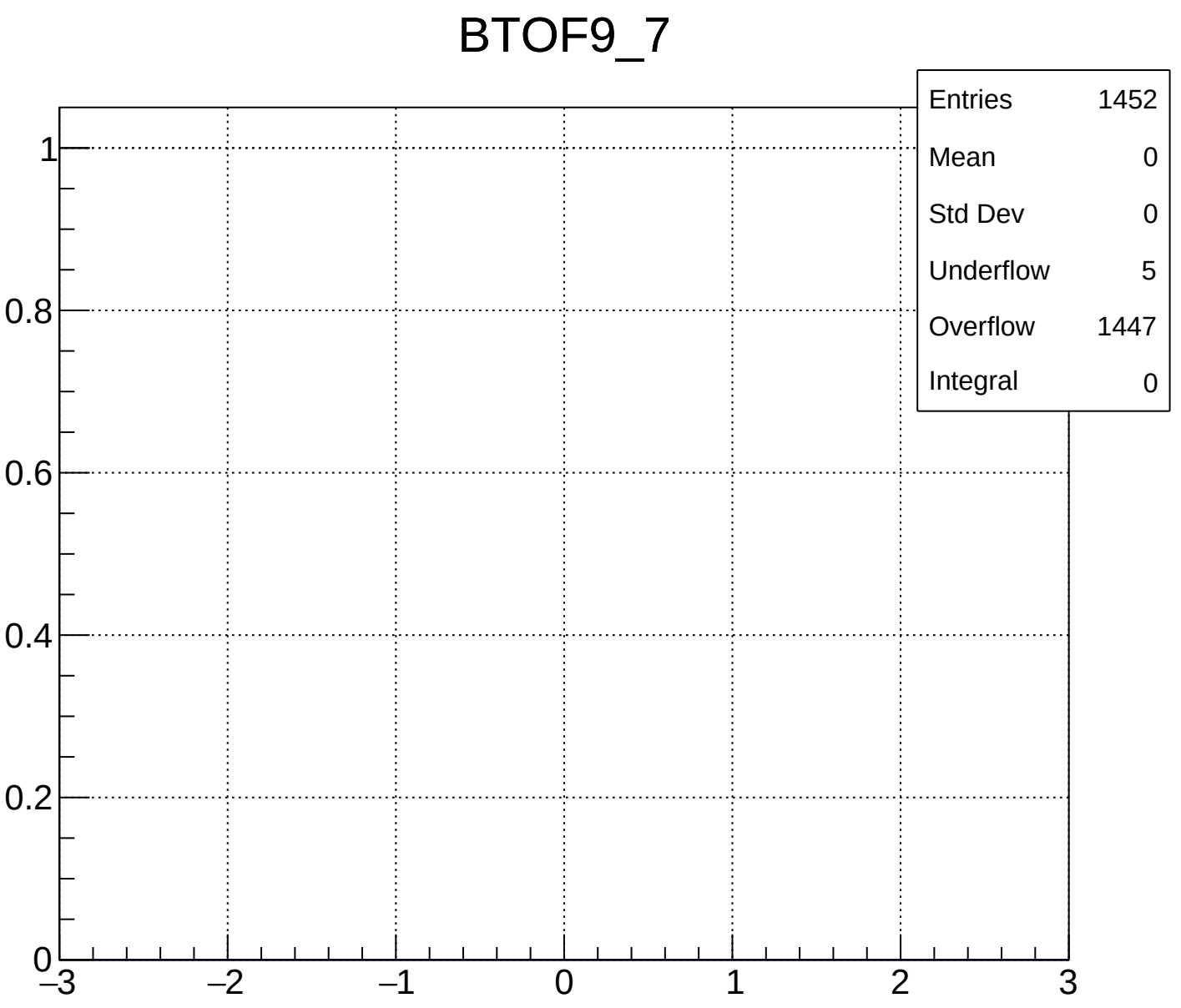

BTOF9_2
Entries 27625
Mean 0.08234
Std Dev 1.548
Underflow 119
Overflow 2.743e+04
Integral 72
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

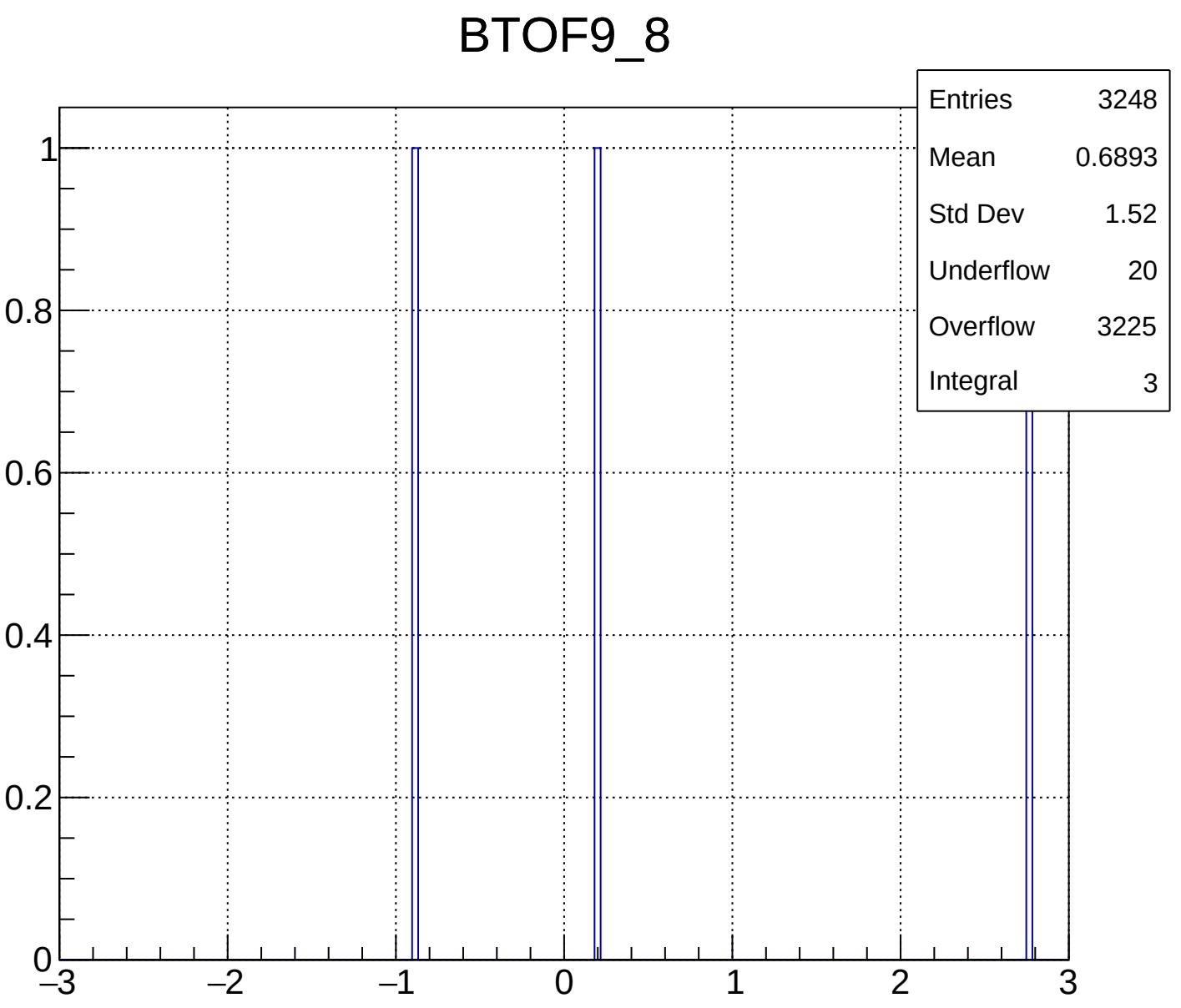

BTOF9_3
Entries 48510
Mean 0.06859
Std Dev 1.502
Underflow 271
Overflow 4.798e+04
Integral 259
5
4
3
2
1
0
−3
−2
−1
0
1
2
3

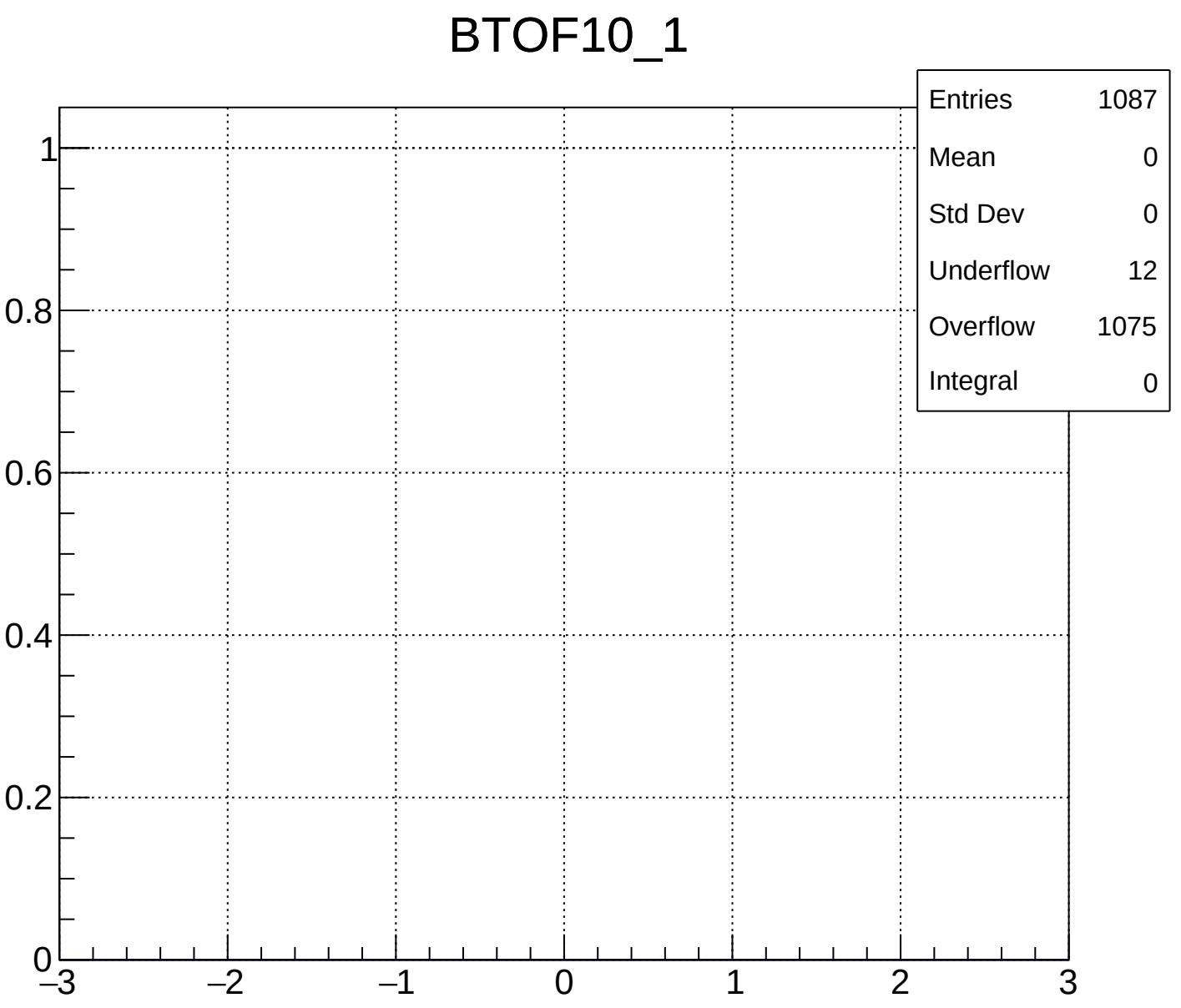

BTOF9_4
Entries 48391
Mean –0.3992
Std Dev 1.668
Underflow 348
Overflow 4.776e+04
Integral 284
7
6
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

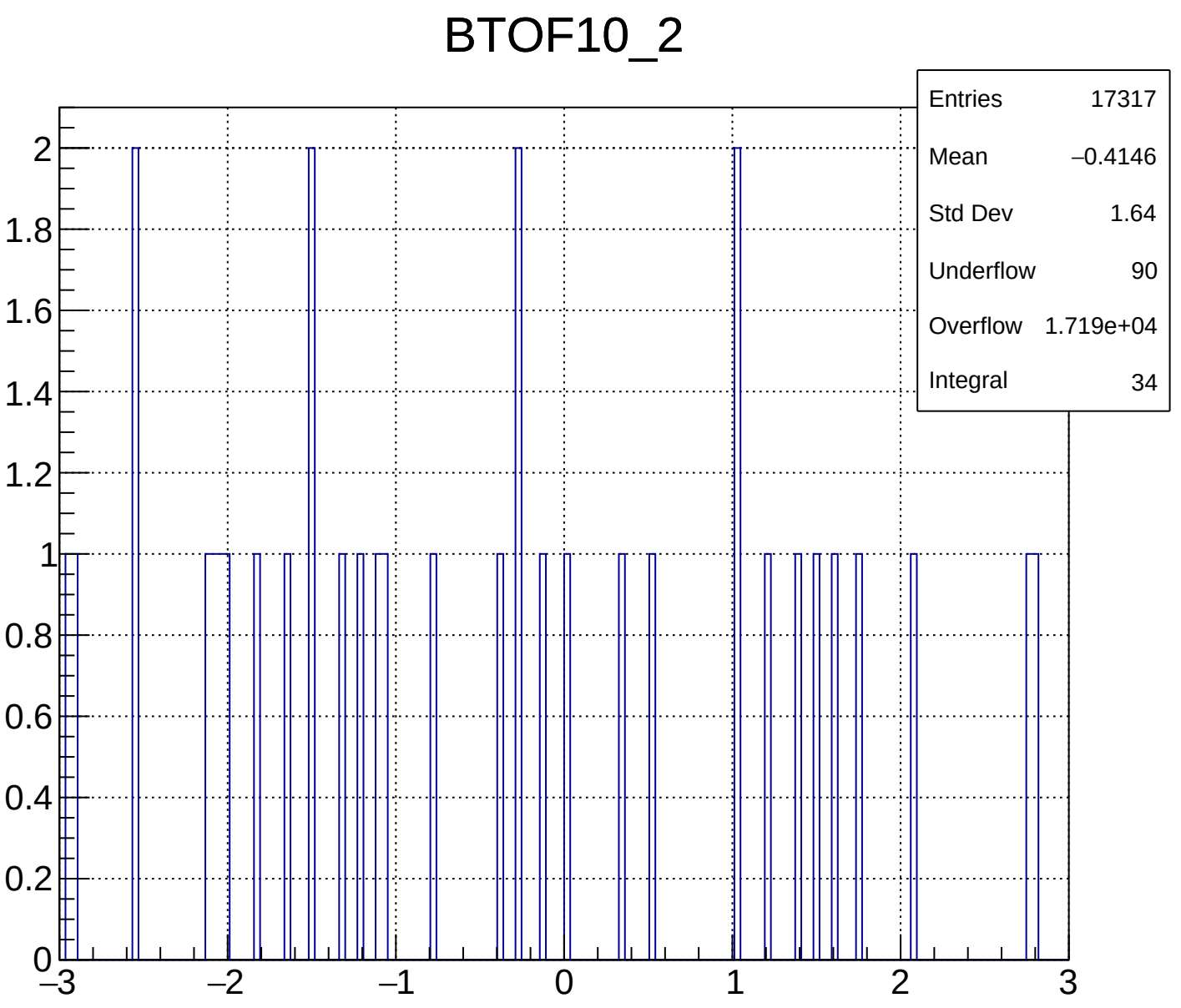

BTOF9_5
Entries 19729
Mean 0.5572
Std Dev 1.448
Underflow 71
Overflow 1.96e+04
Integral 59
3
2.5
2
1.5
1
0.5
0
−3
−2
−1
0
1
2
3

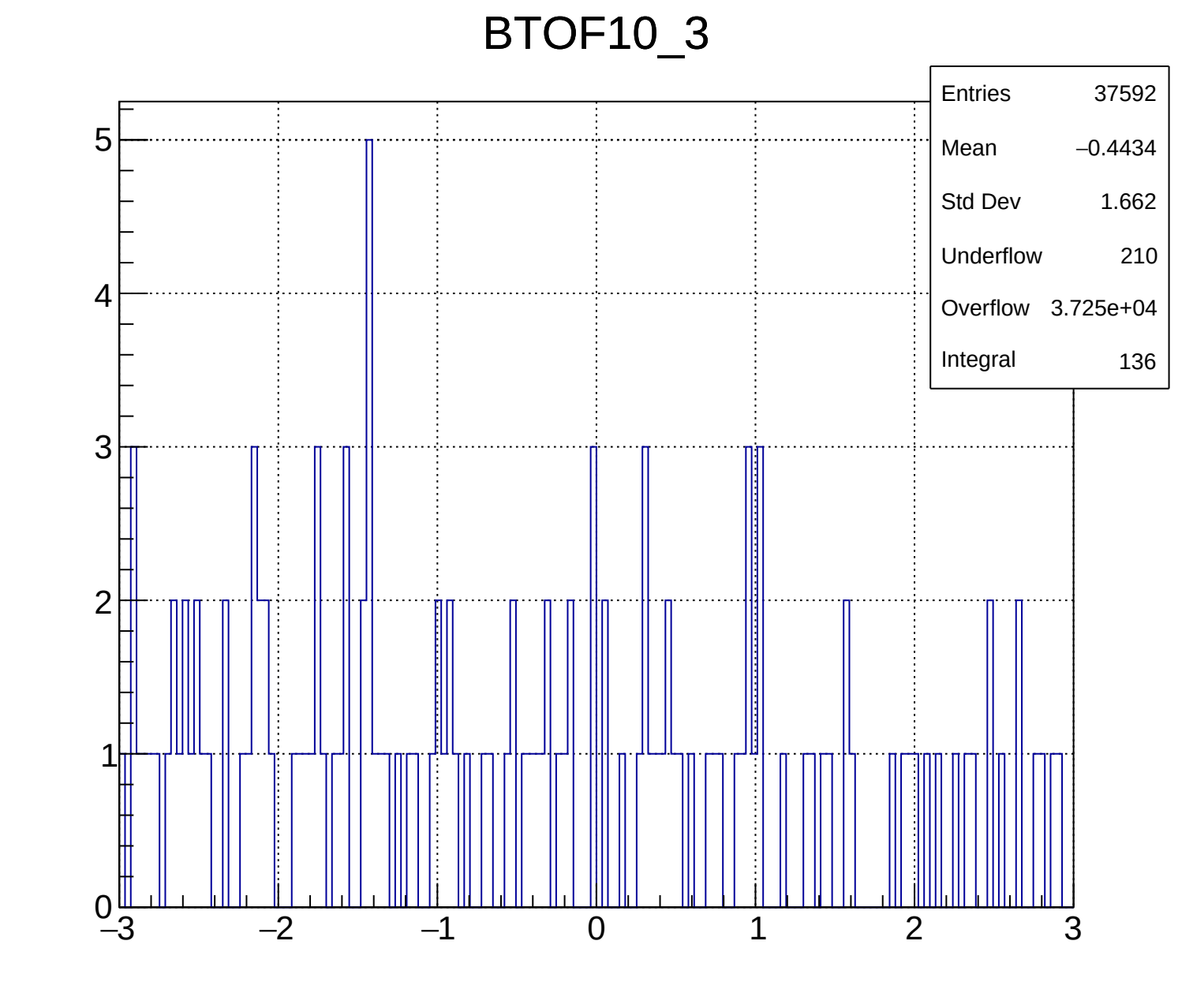

BTOF9_6
Entries 3008
Mean −1.207
Std Dev 0.6118
Underflow 10
Overflow 2996
Integral 2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

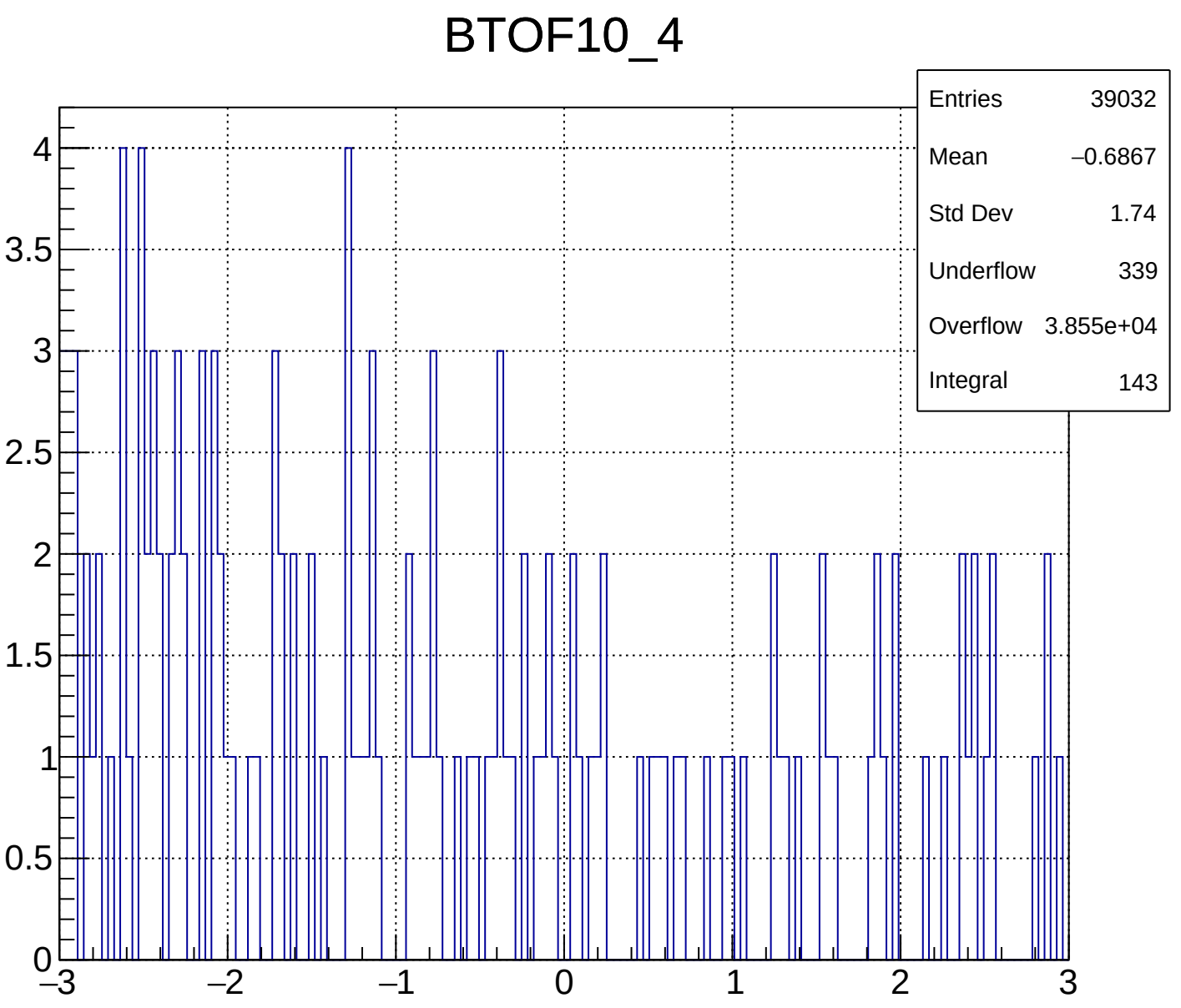

BTOF9_7
Entries 1452
Mean 0
Std Dev 0
Underflow 5
Overflow 1447
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

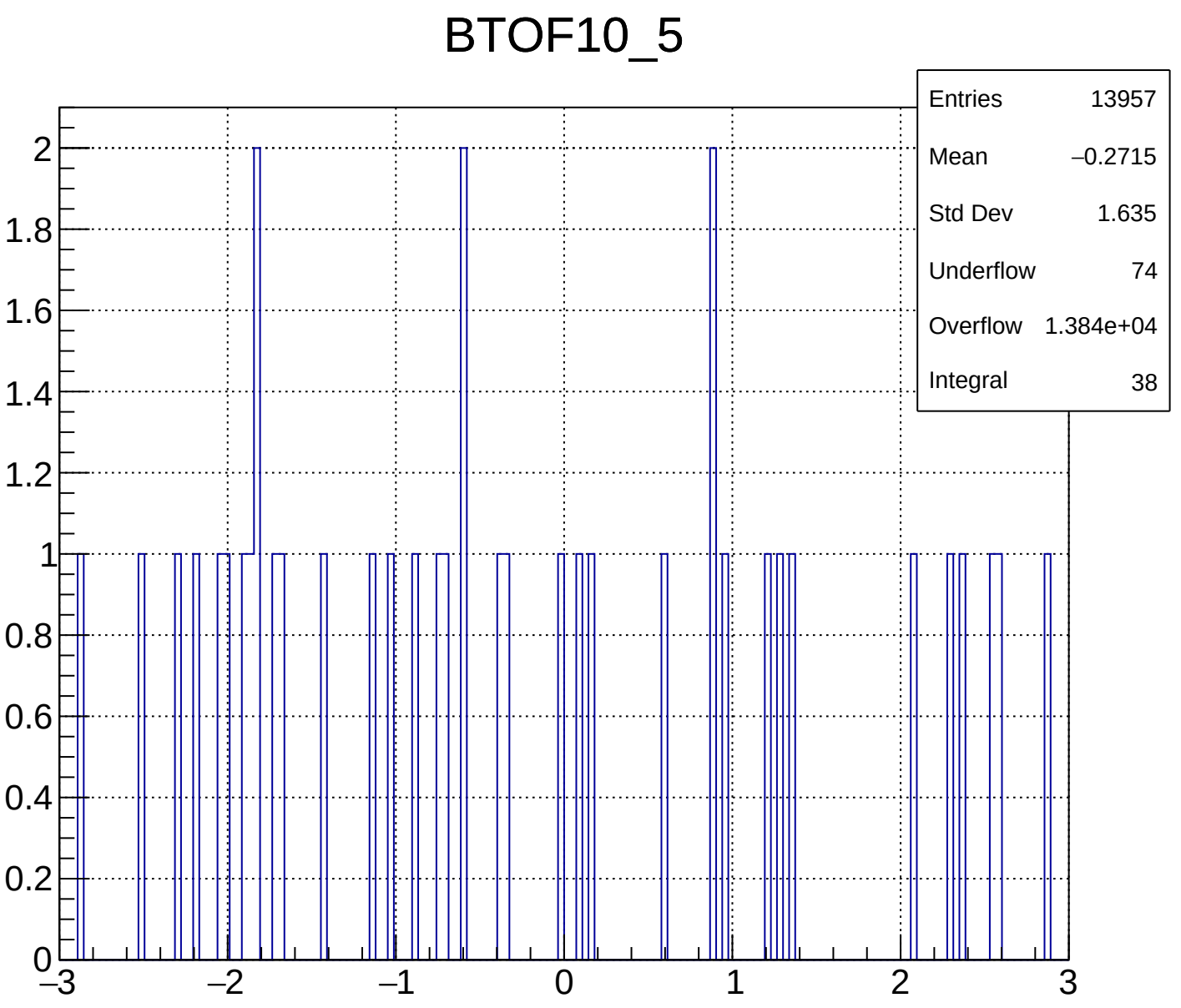

BTOF9_8
Entries 3248
Mean 0.6893
Std Dev 1.52
Underflow 20
Overflow 3225
Integral 3
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

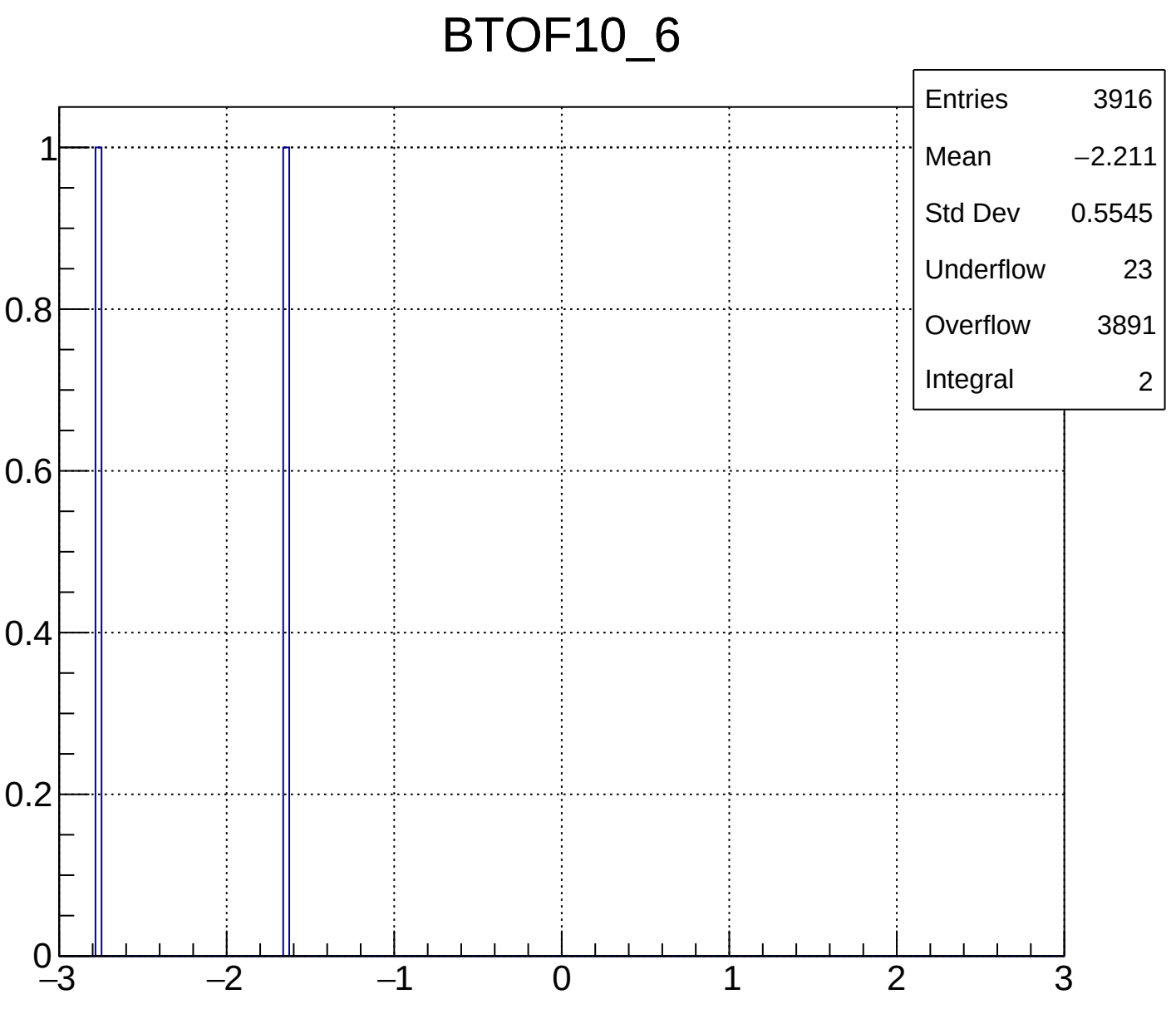

BTOF10_1
Entries 1087
Mean 0
Std Dev 0
Underflow 12
Overflow 1075
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

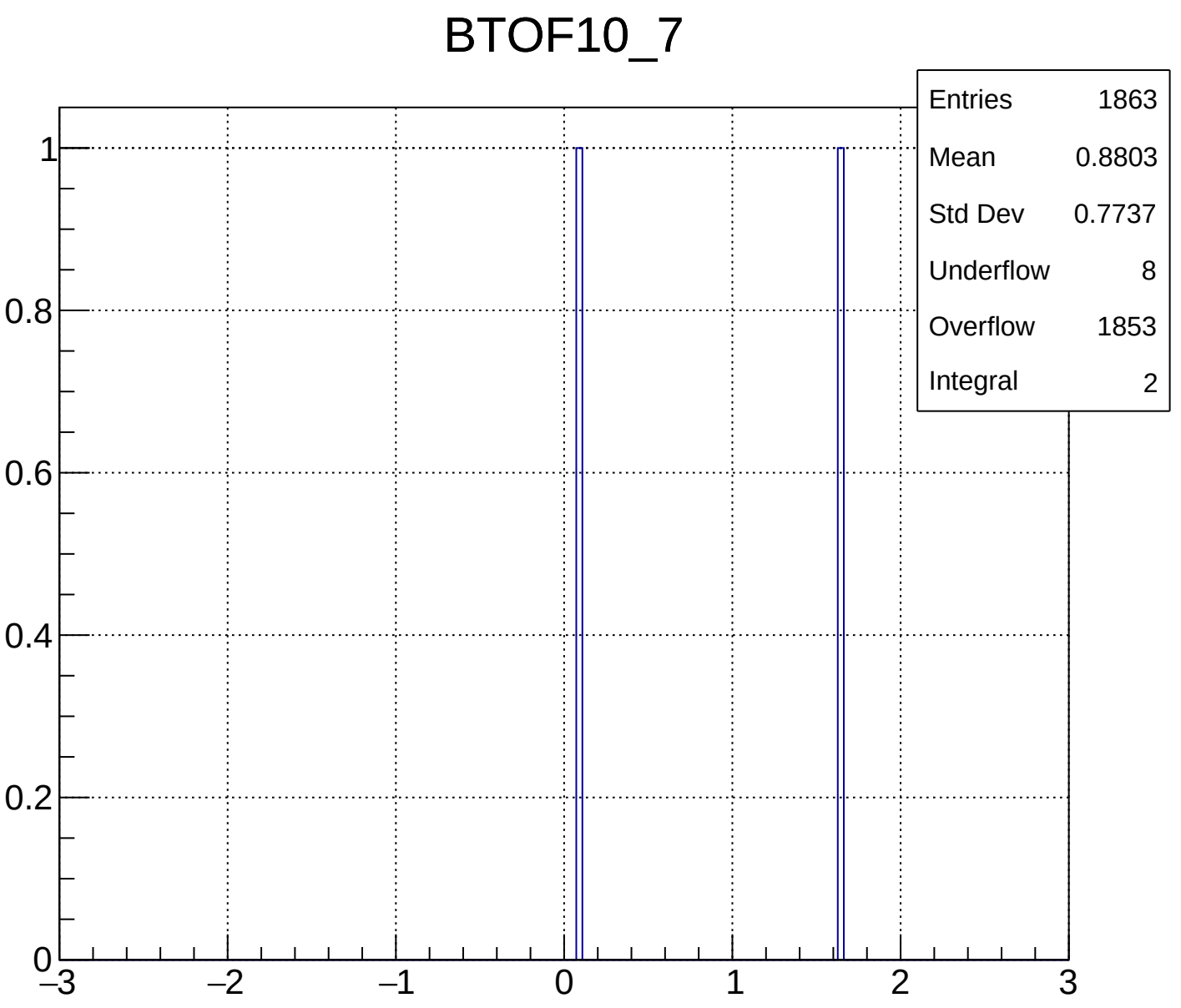

BTOF10_2
Entries 17317
Mean –0.4146
Std Dev 1.64
Underflow 90
Overflow 1.719e+04
Integral 34
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

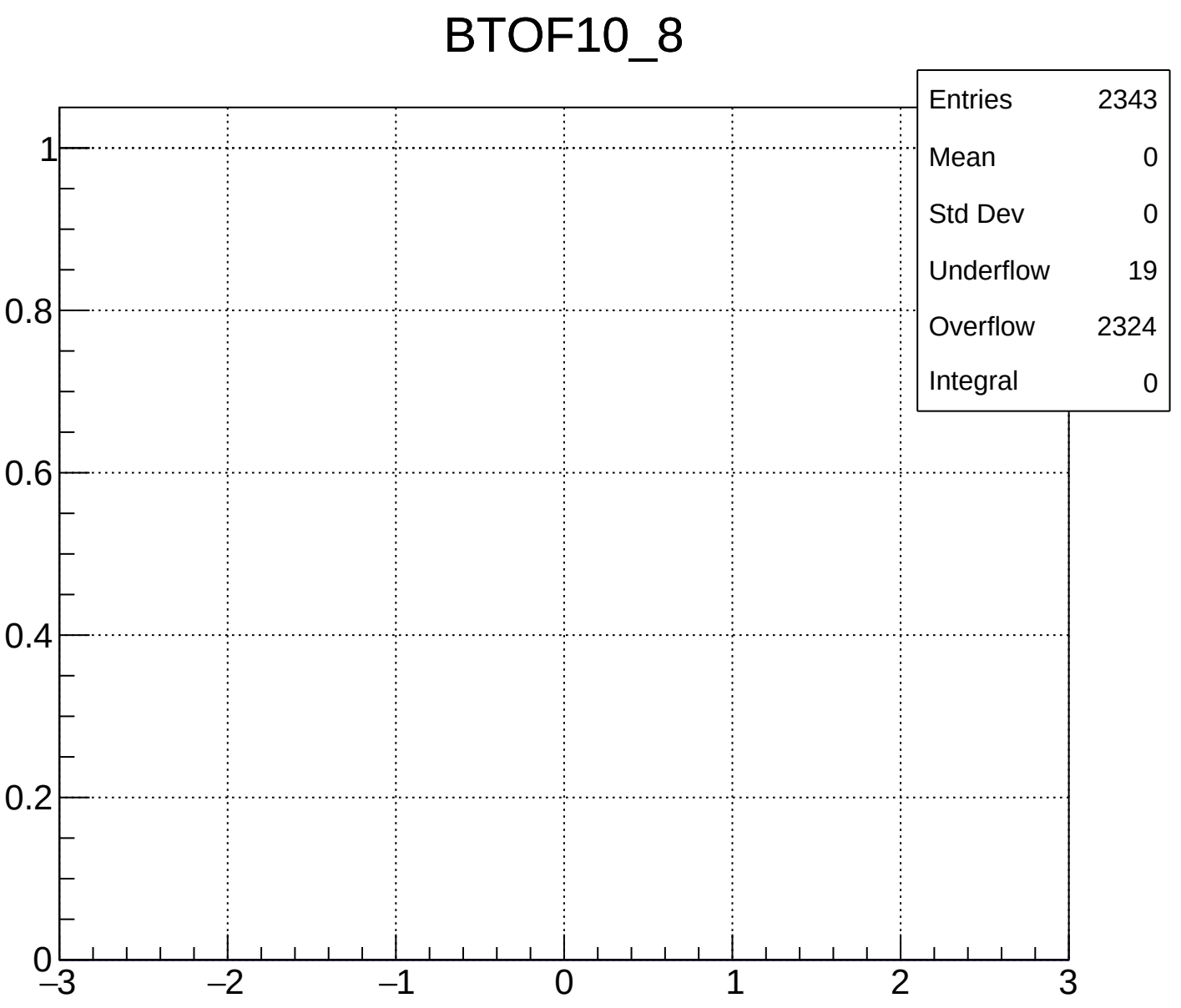

BTOF10_3
Entries 37592
Mean –0.4434
Std Dev 1.662
Underflow 210
Overflow 3.725e+04
Integral 136
5
4
3
2
1
0
–3
–2
–1
0
1
2
3

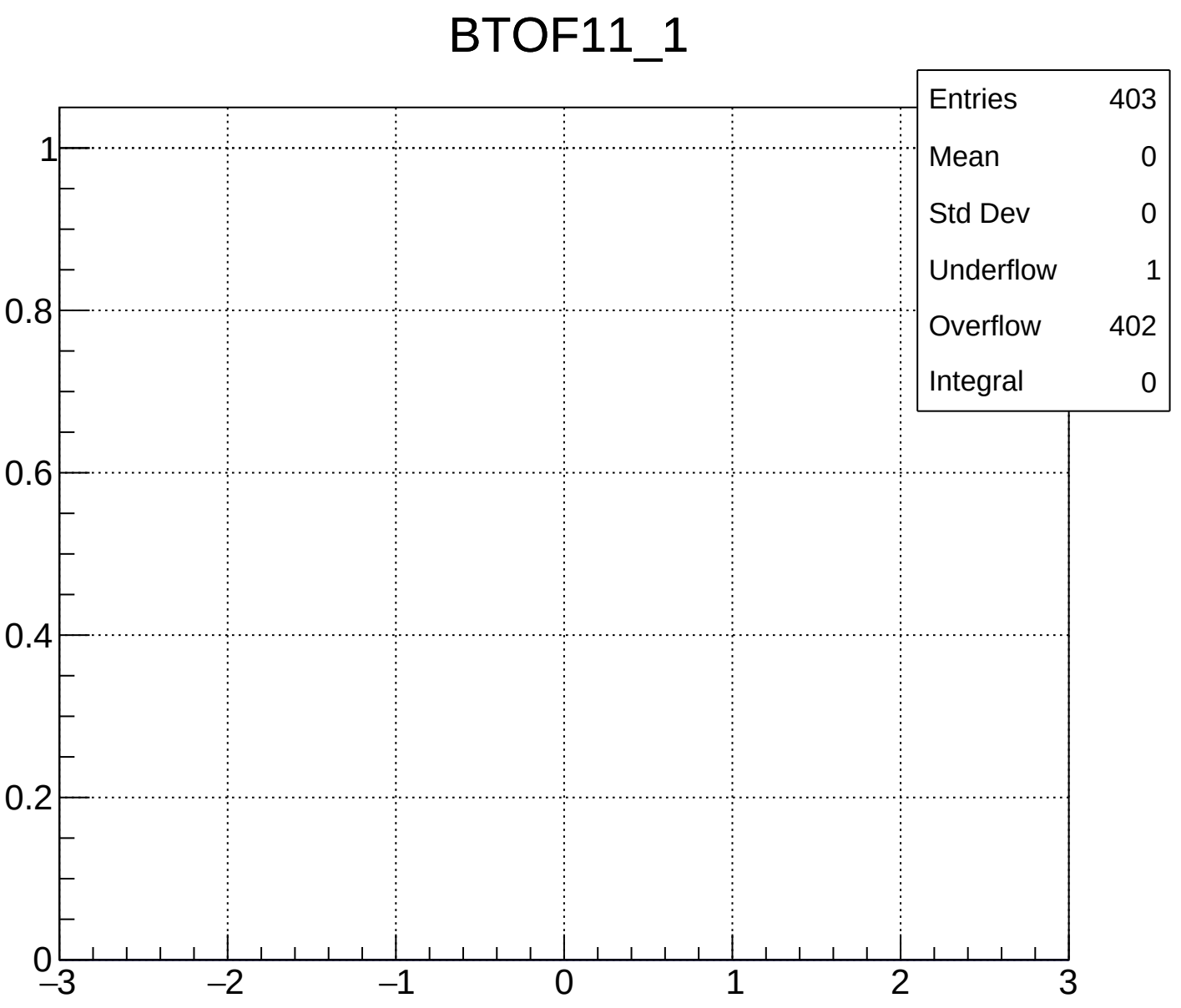

BTOF10_4
Entries 39032
Mean –0.6867
Std Dev 1.74
Underflow 339
Overflow 3.855e+04
Integral 143
4
3.5
3
2.5
2
1.5
1
0.5
0
–3
–2
–1
0
1
2
3

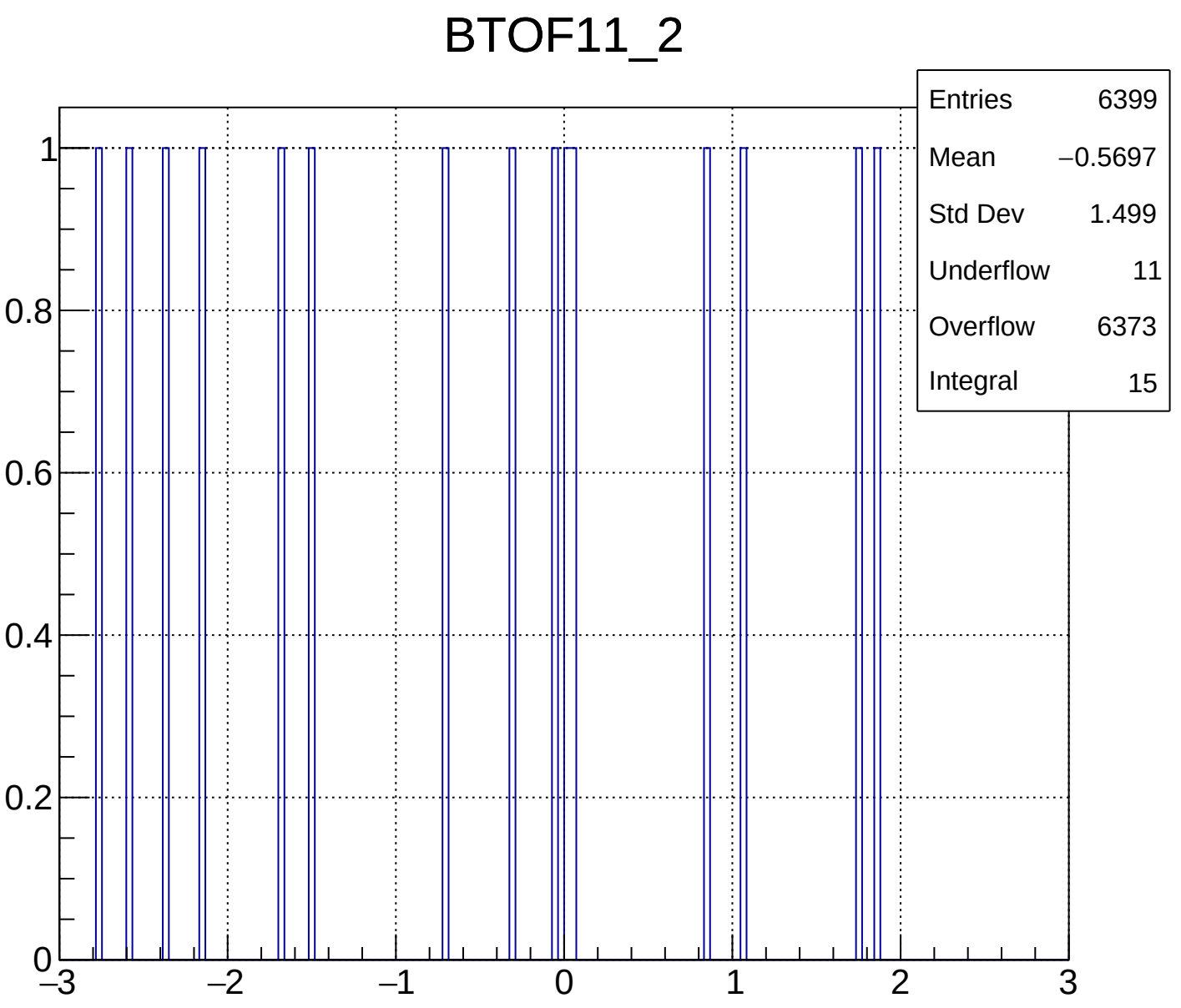

BTOF10_5
Entries 13957
Mean –0.2715
Std Dev 1.635
Underflow 74
Overflow 1.384e+04
Integral 38
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

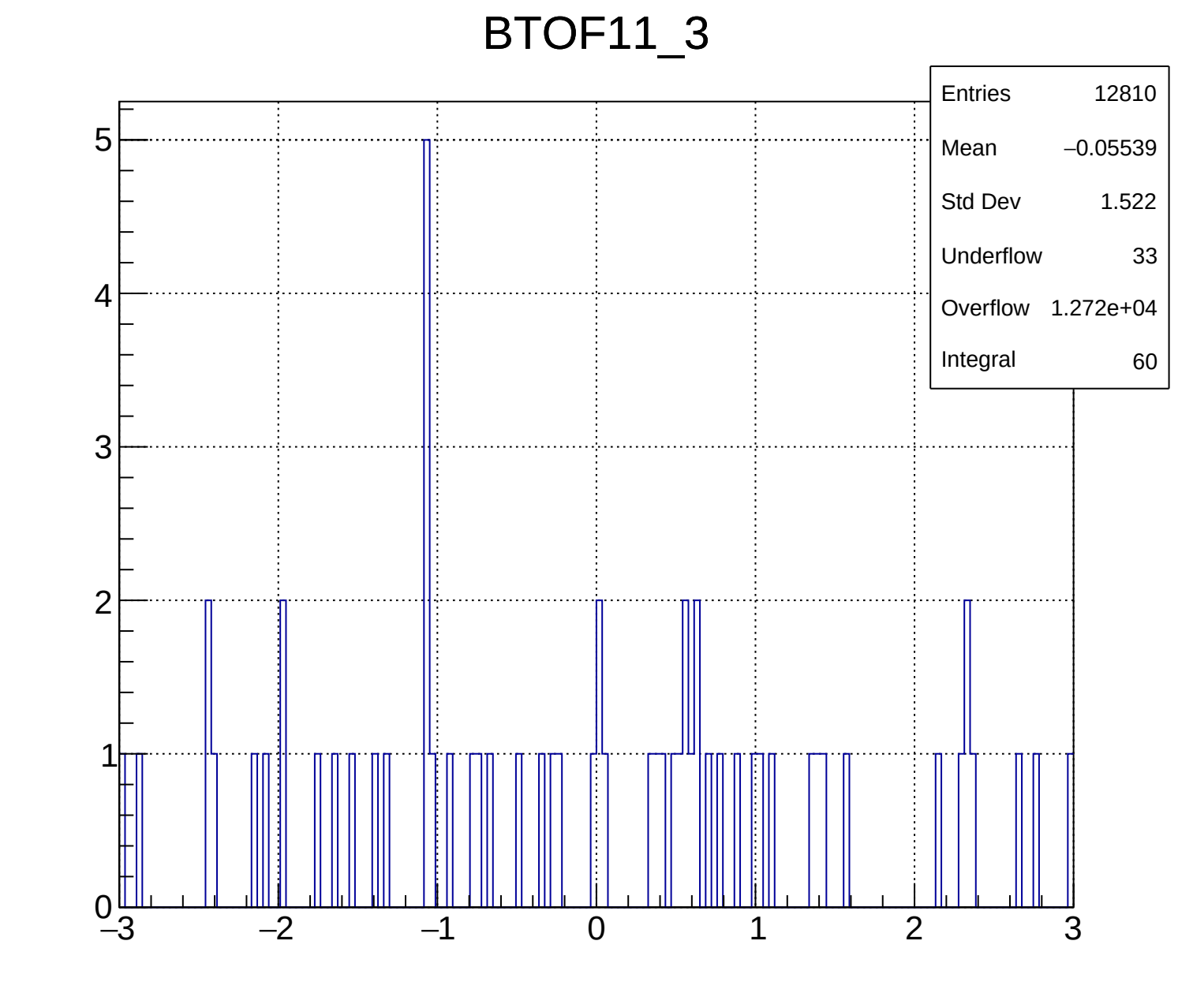

BTOF10_6
Entries 3916
Mean −2.211
Std Dev 0.5545
Underflow 23
Overflow 3891
Integral 2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3

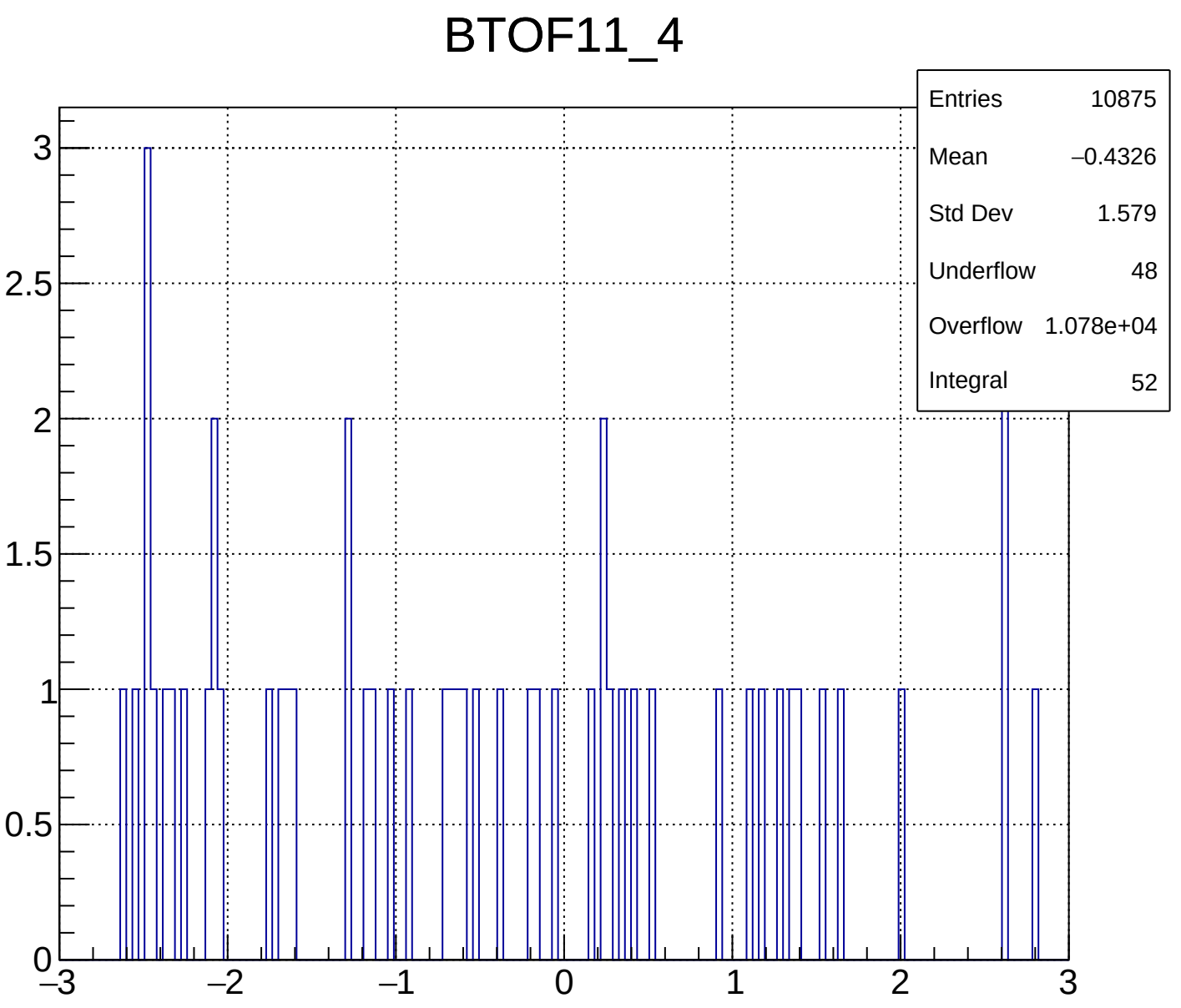

BTOF10_7
Entries 1863
Mean 0.8803
Std Dev 0.7737
Underflow 8
Overflow 1853
Integral 2
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

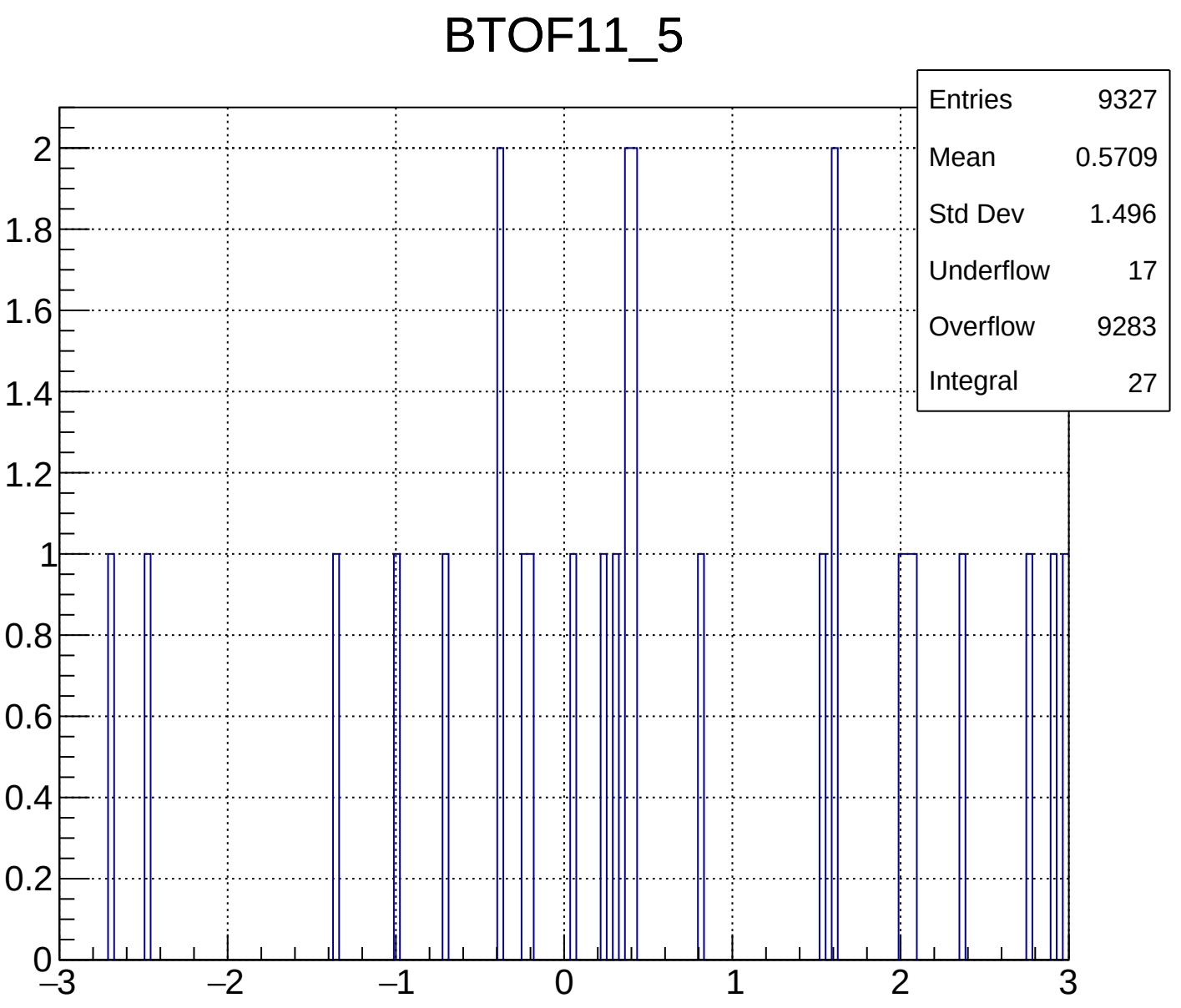

BTOF10_8
Entries 2343
Mean 0
Std Dev 0
Underflow 19
Overflow 2324
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

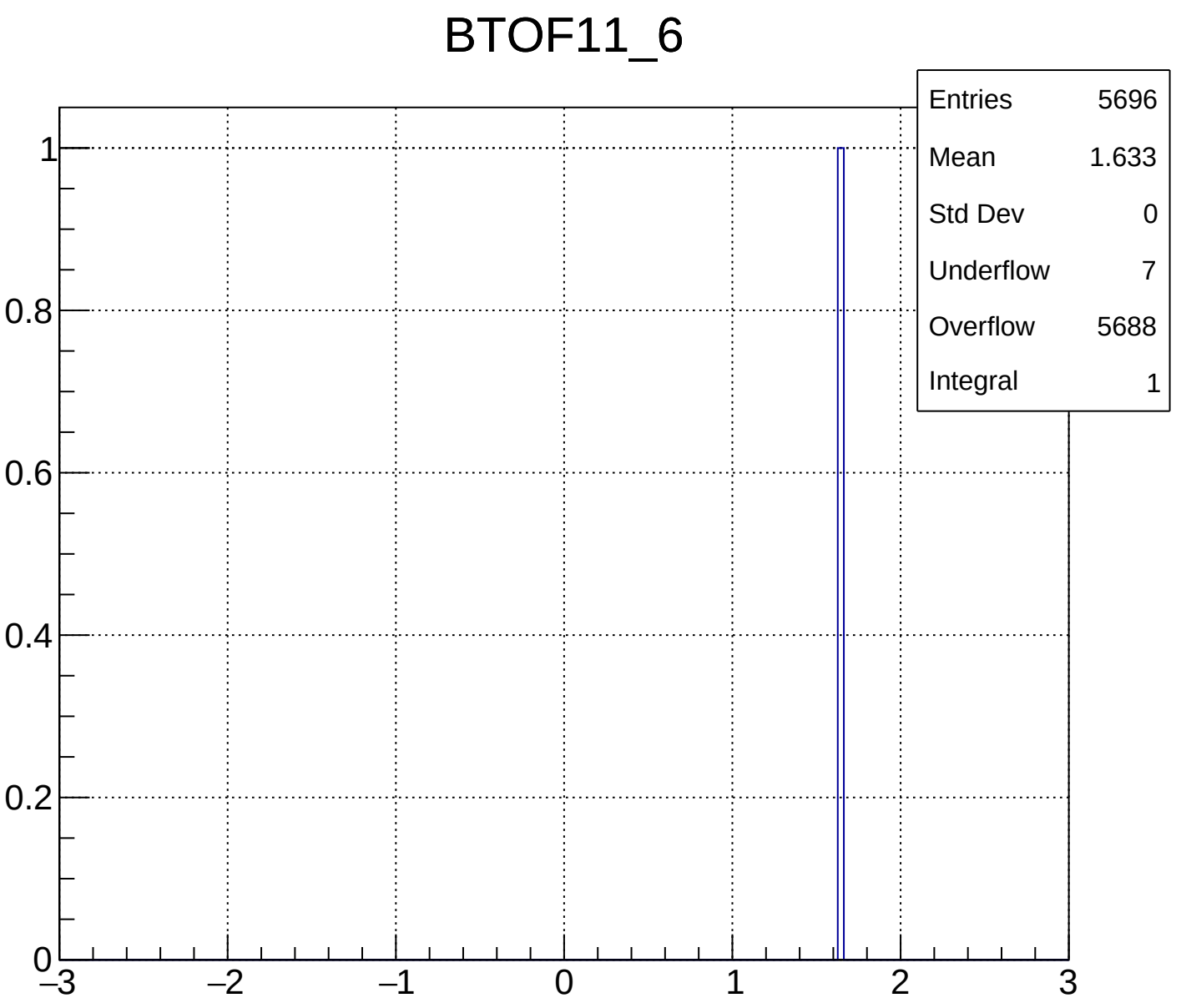

BTOF11_1
Entries 403
Mean 0
Std Dev 0
Underflow 1
Overflow 402
Integral 0
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3

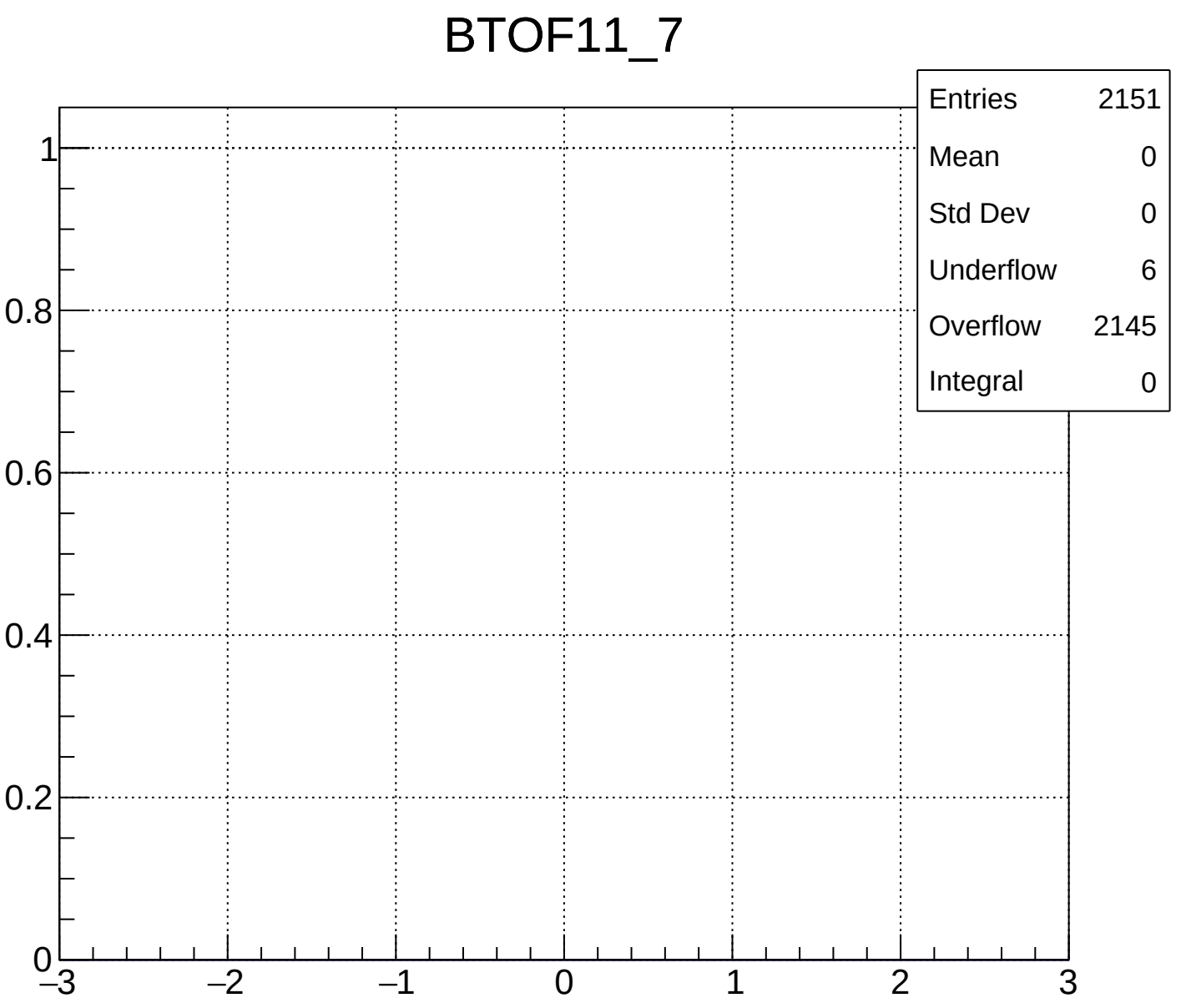

BTOF11_2
Entries 6399
Mean −0.5697
Std Dev 1.499
Underflow 11
Overflow 6373
Integral 15
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3


BTOF11_3
Entries 12810
Mean −0.05539
Std Dev 1.522
Underflow 33
Overflow 1.272e+04
Integral 60
5
4
3
2
1
0
−3
−2
−1
0
1
2
3


BTOF11_4
Entries 10875
Mean –0.4326
Std Dev 1.579
Underflow 48
Overflow 1.078e+04
Integral 52
3
2.5
2
1.5
1
0.5
0
–3
–2
–1
0
1
2
3


BTOF11_5
Entries 9327
Mean 0.5709
Std Dev 1.496
Underflow 17
Overflow 9283
Integral 27
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3


BTOF11_6
Entries 5696
Mean 1.633
Std Dev 0
Underflow 7
Overflow 5688
Integral 1
1
0.8
0.6
0.4
0.2
0
–3
–2
–1
0
1
2
3


BTOF11_7
Entries 2151
Mean 0
Std Dev 0
Underflow 6
Overflow 2145
Integral 0
1
0.8
0.6
0.4
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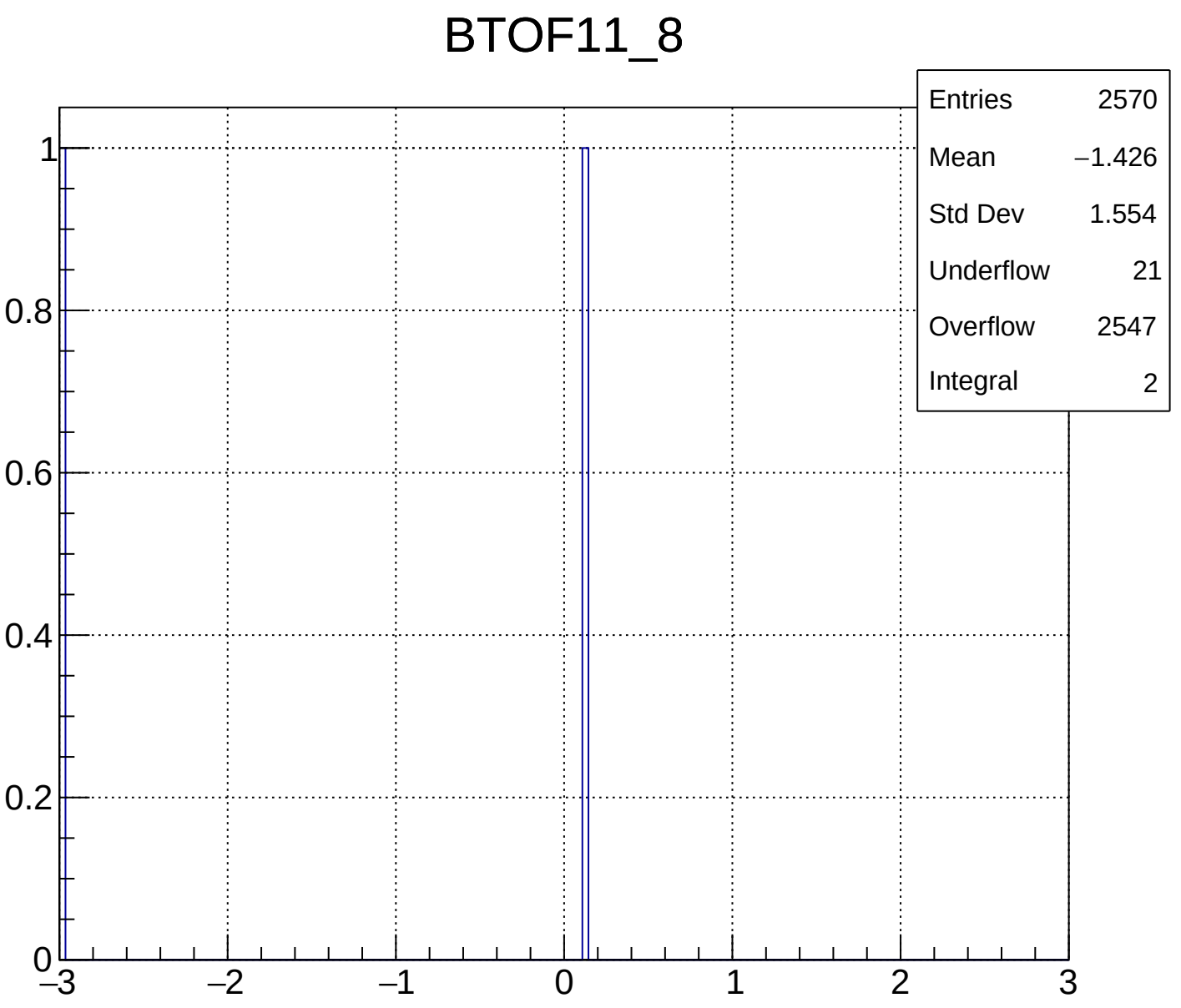
–3
–2
–1
0
1
2
3


BTOF11_8
Entries 2570
Mean −1.426
Std Dev 1.554
Underflow 21
Overflow 2547
Integral 2
1
0.8
0.6
0.4
0.2
0
−3
−2
−1
0
1
2
3