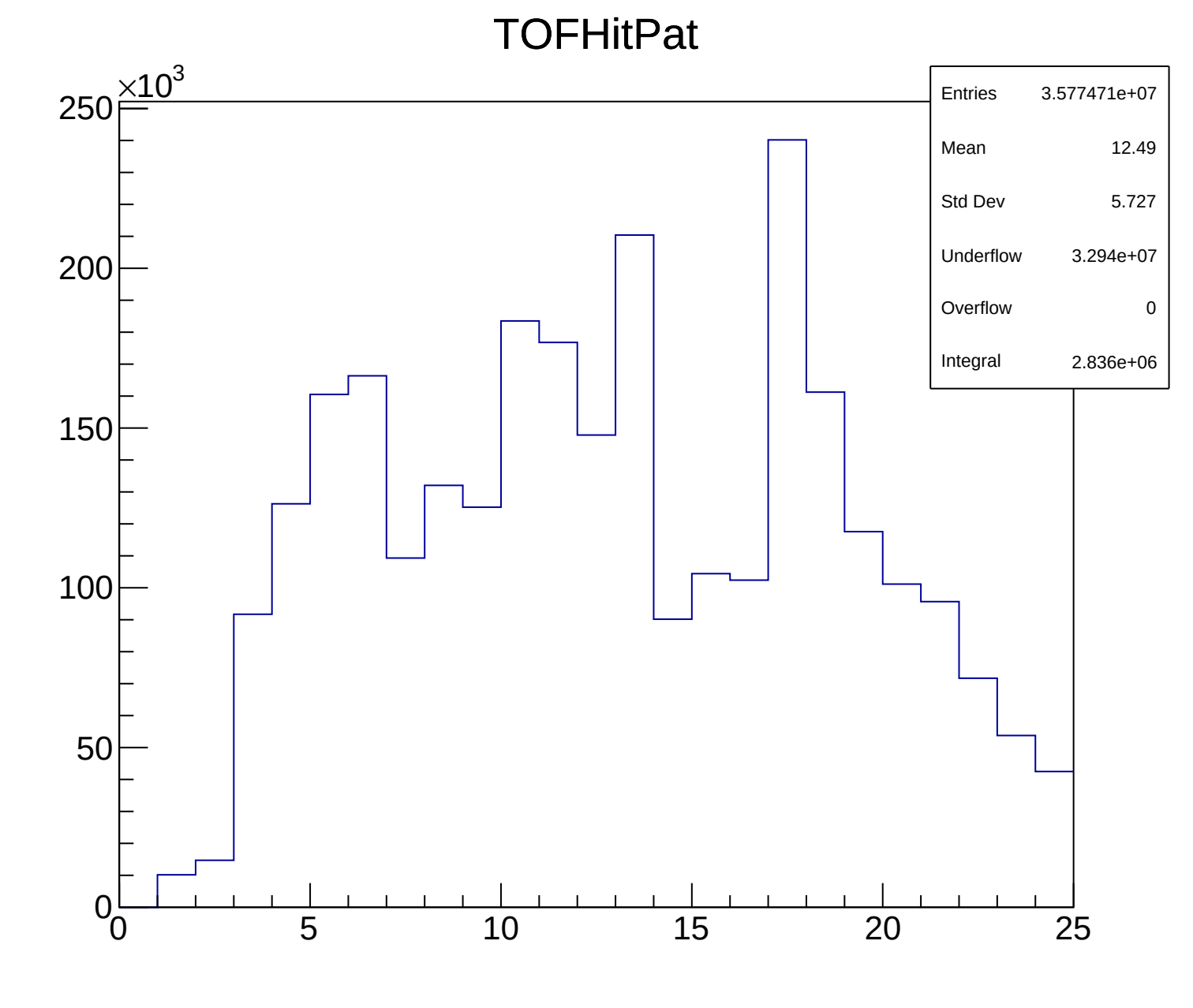
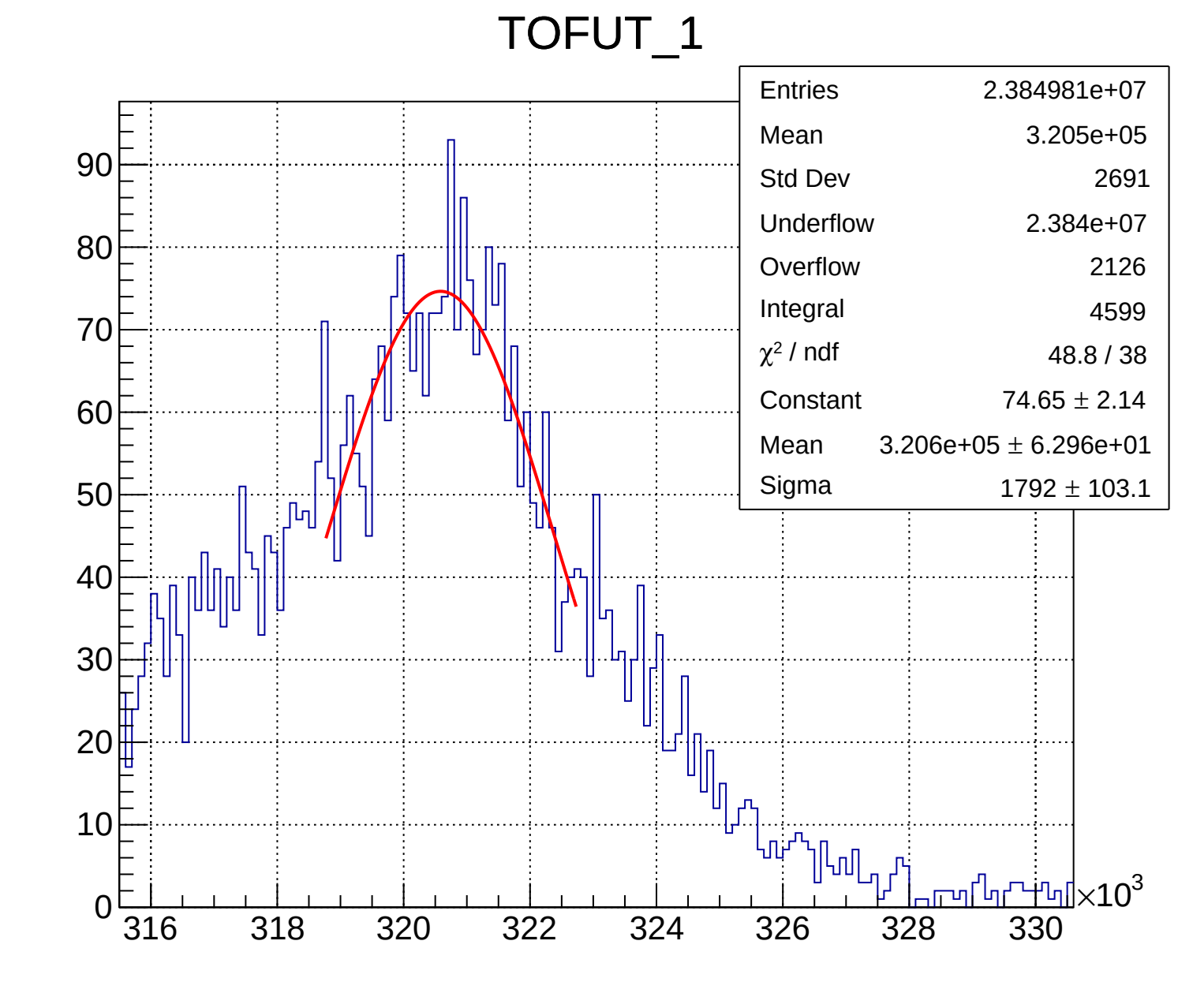
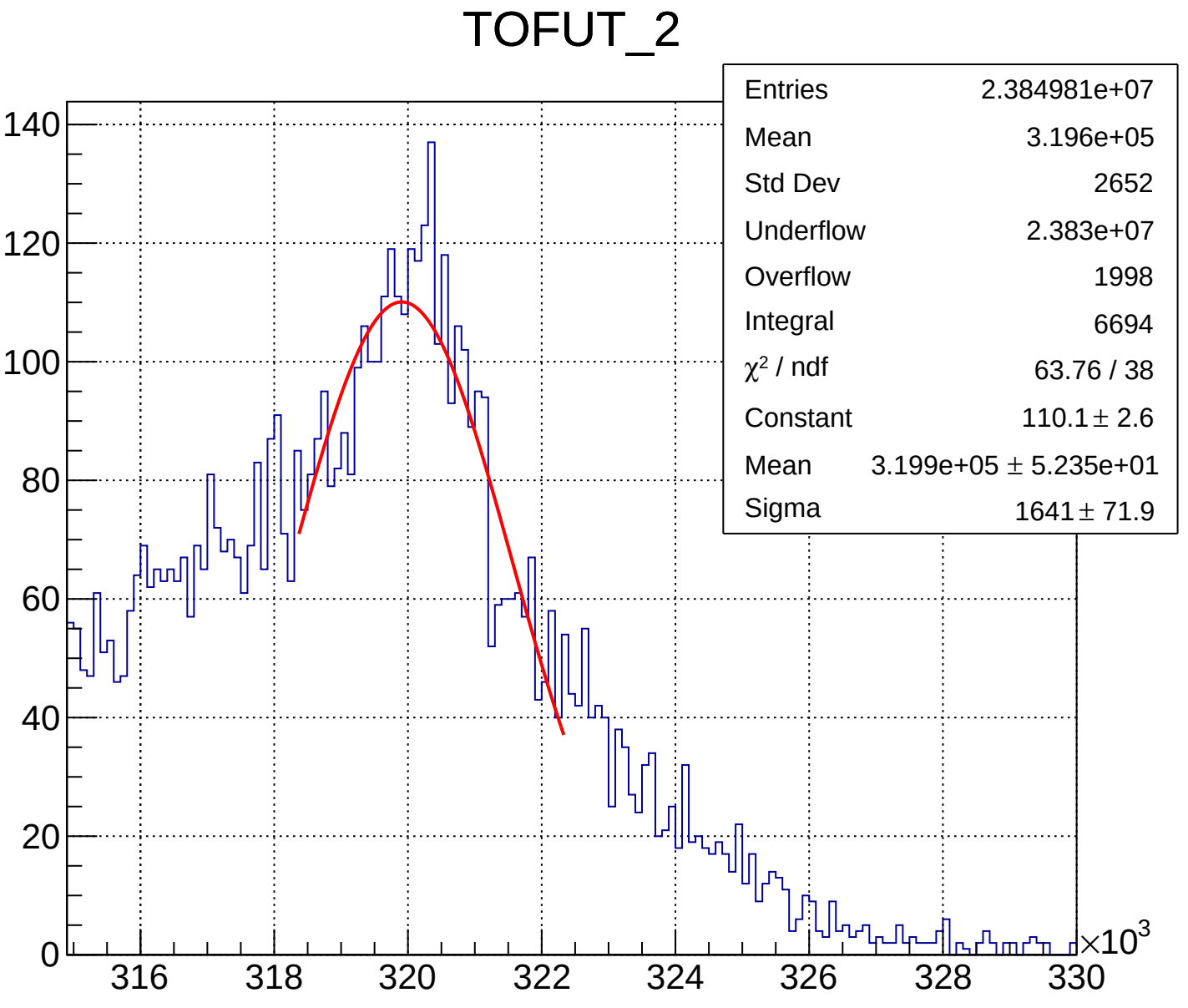
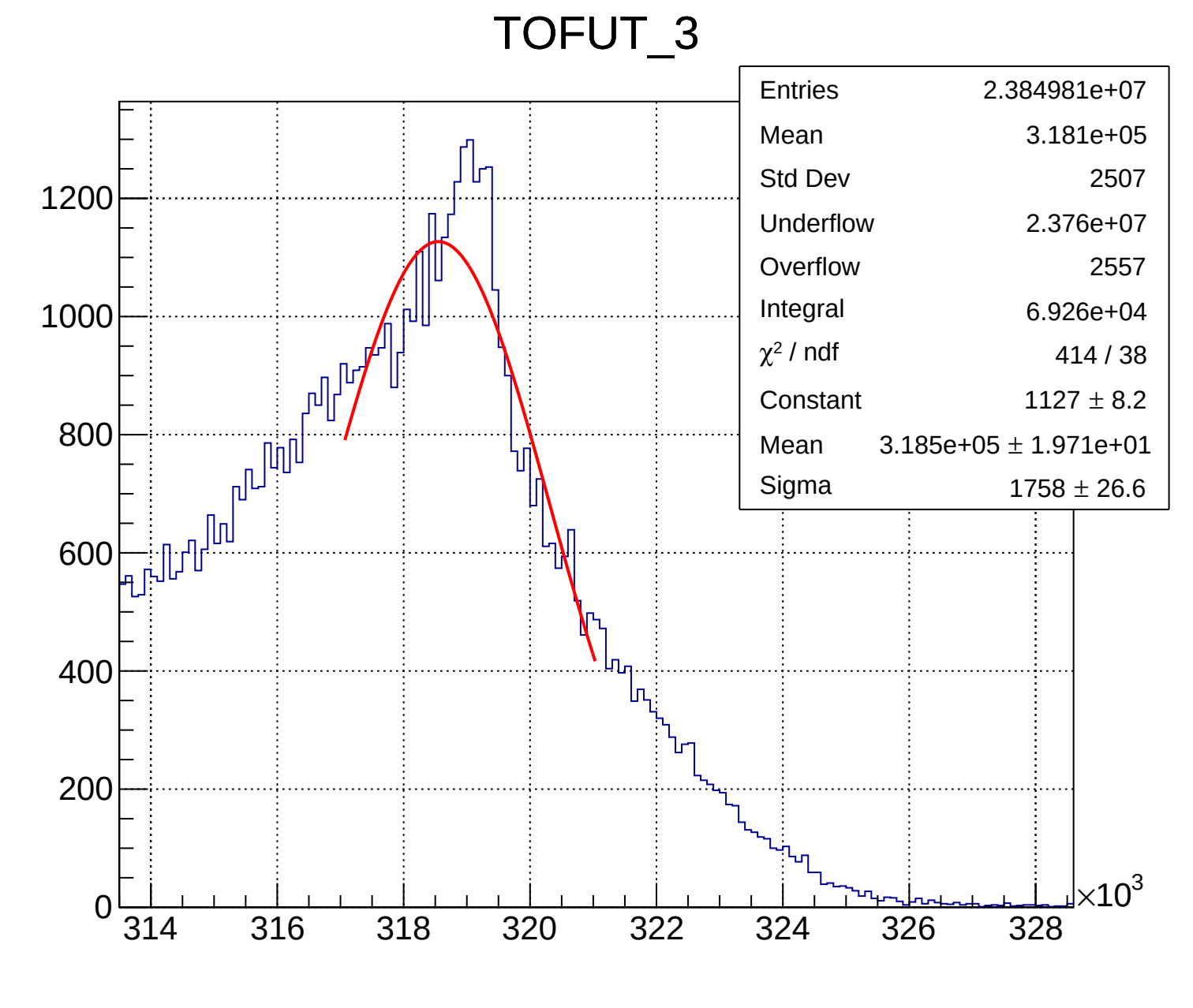
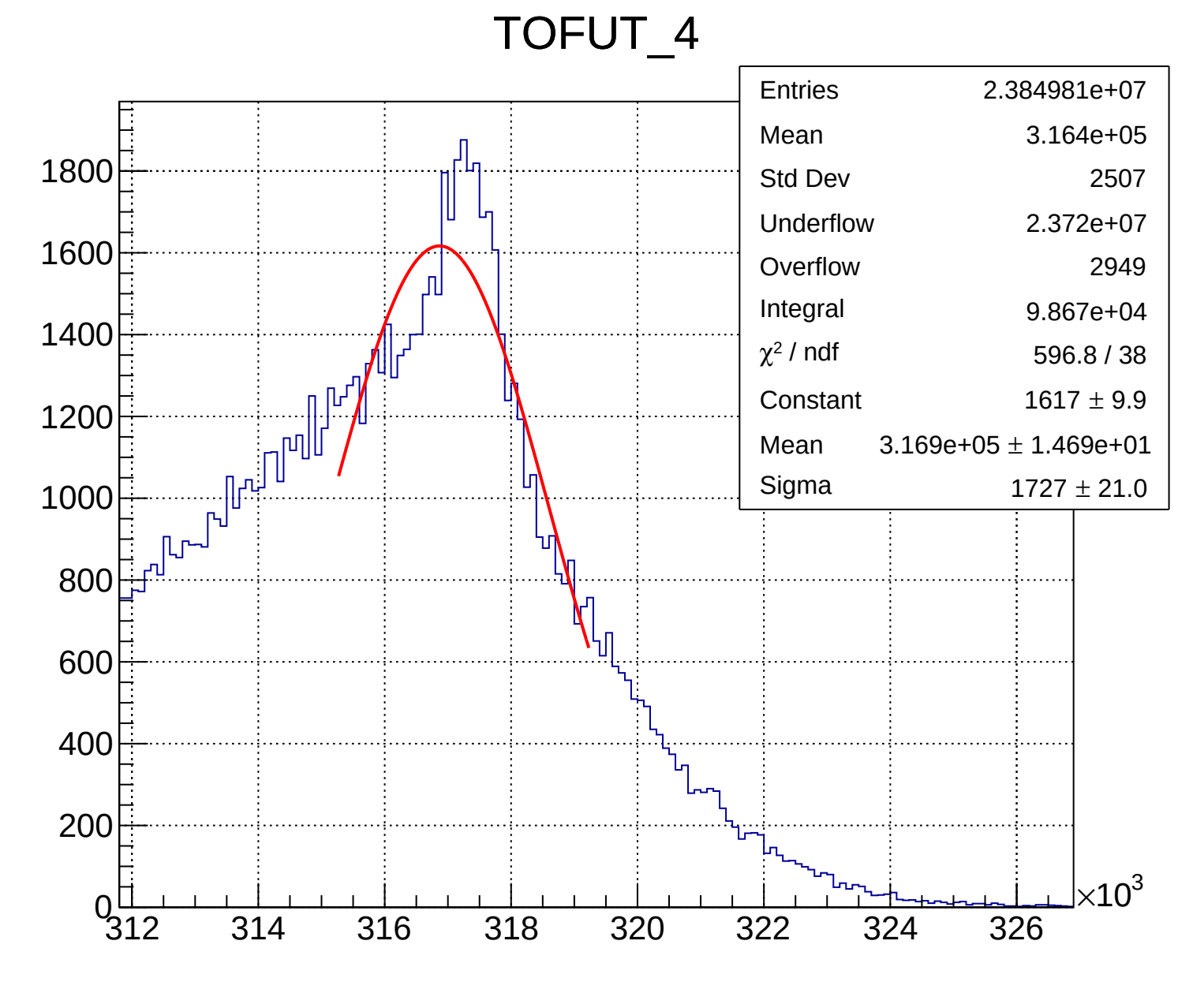
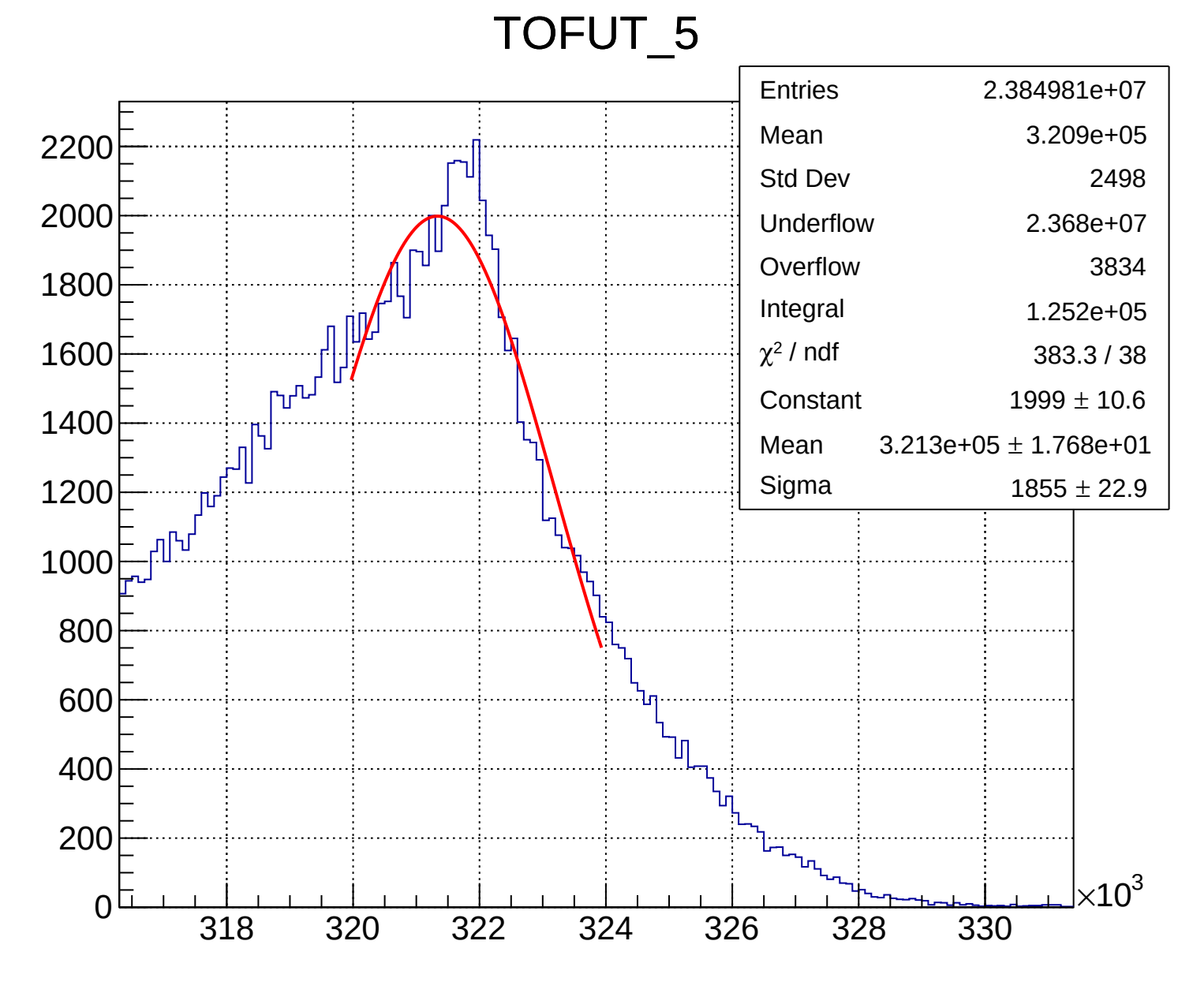

TOFHitPat
×10^3
250
200
150
100
50
0
0
5
10
15
20
25
Entries 3.577471e+07
Mean 12.49
Std Dev 5.727
Underflow 3.294e+07
Overflow 0
Integral 2.836e+06

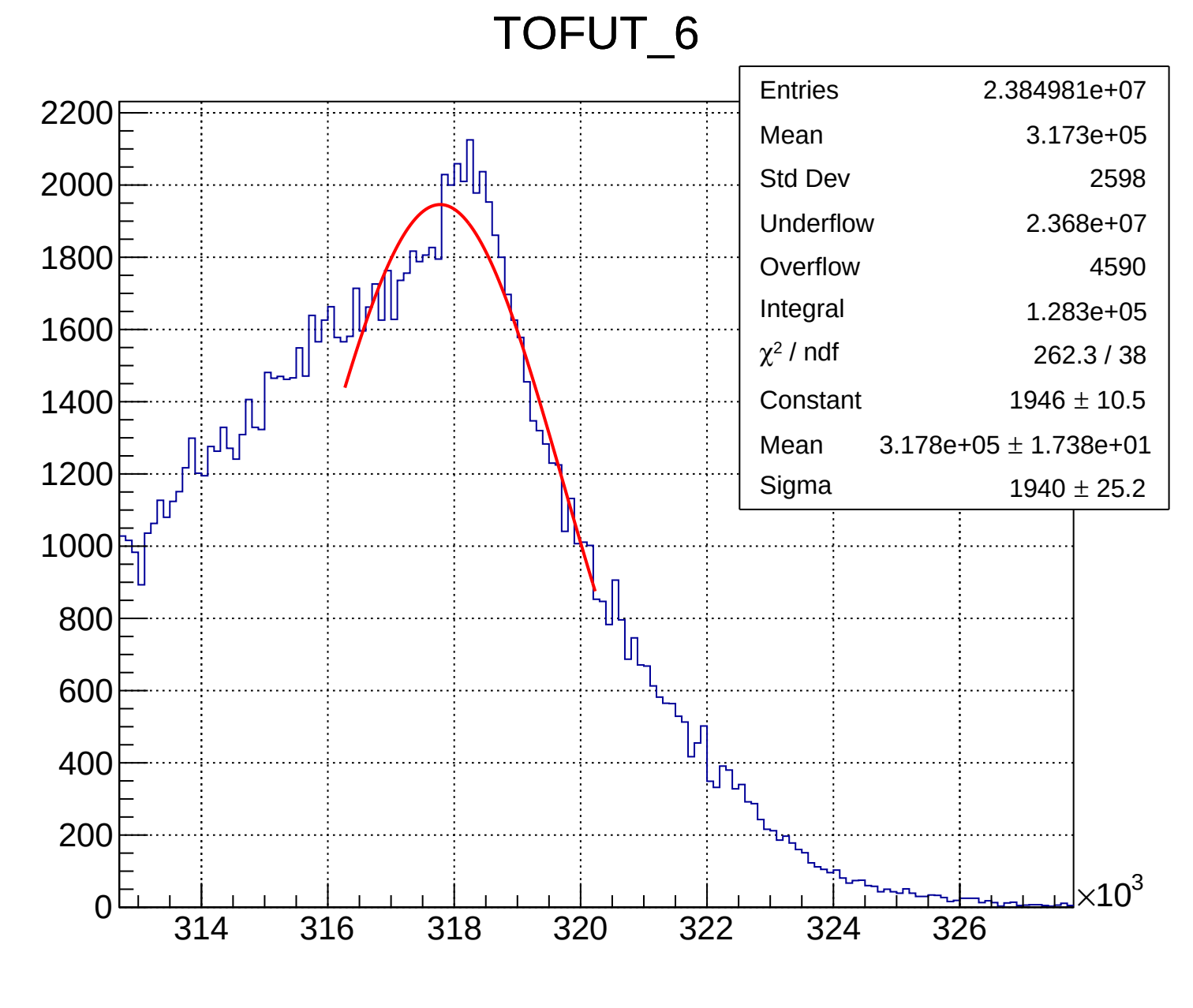

TOFUT_1
Entries 2.384981e+07
Mean 3.205e+05
Std Dev 2691
Underflow 2.384e+07
Overflow 2126
Integral 4599
χ² / ndf 48.8 / 38
Constant 74.65 ± 2.14
Mean 3.206e+05 ± 6.296e+01
Sigma 1792 ± 103.1
0
10
20
30
40
50
60
70
80
90
316
318
320
322
324
326
328
330
×10³

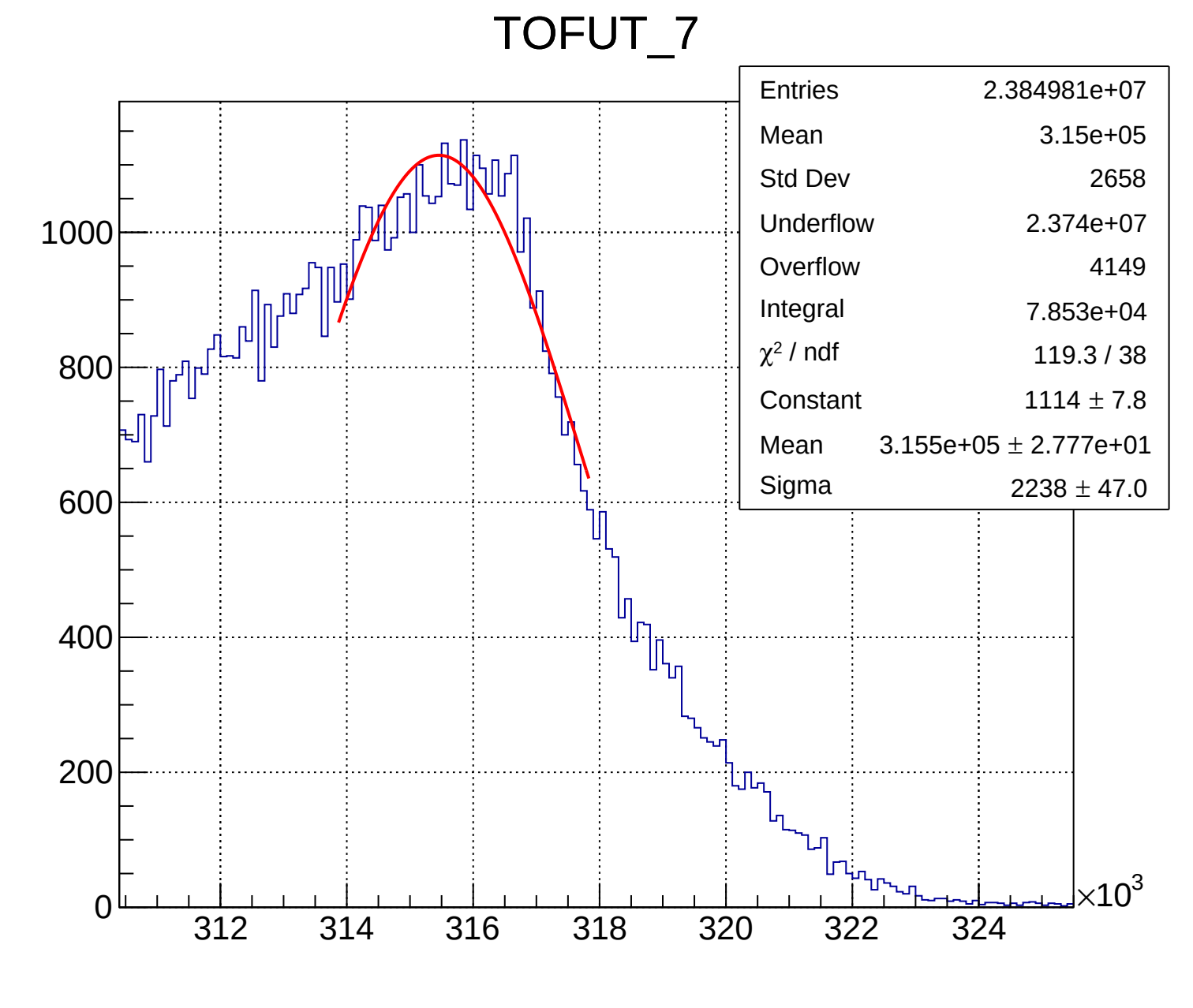

TOFUT_2
Entries 2.384981e+07
Mean 3.196e+05
Std Dev 2652
Underflow 2.383e+07
Overflow 1998
Integral 6694
χ² / ndf 63.76 / 38
Constant 110.1 ± 2.6
Mean 3.199e+05 ± 5.235e+01
Sigma 1641 ± 71.9
140
120
100
80
60
40
20
0
316
318
320
322
324
326
328
330
×10³

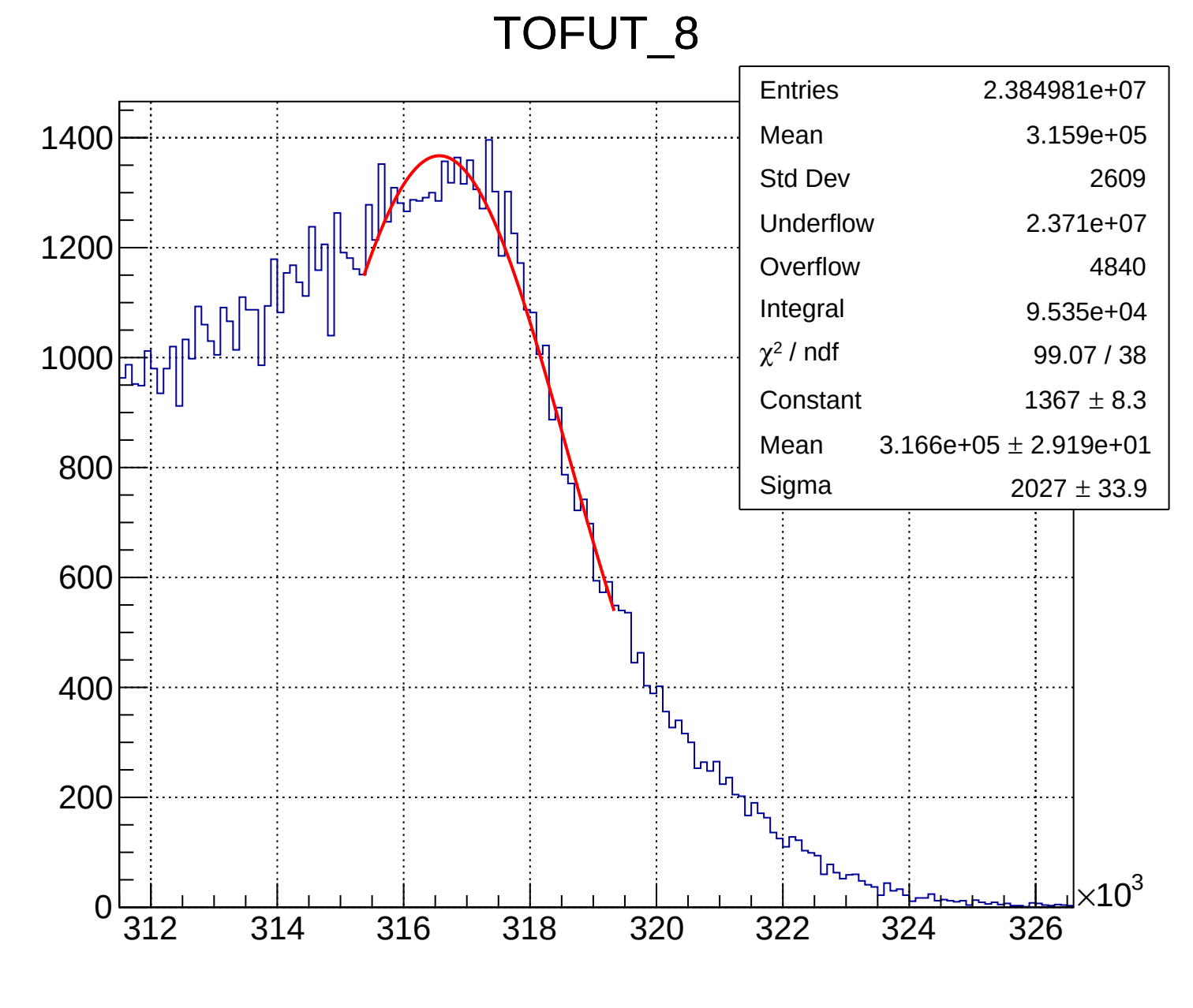

TOFUT_3
Entries 2.384981e+07
Mean 3.181e+05
Std Dev 2507
Underflow 2.376e+07
Overflow 2557
Integral 6.926e+04
χ² / ndf 414 / 38
Constant 1127 ± 8.2
Mean 3.185e+05 ± 1.971e+01
Sigma 1758 ± 26.6
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
328
×10³

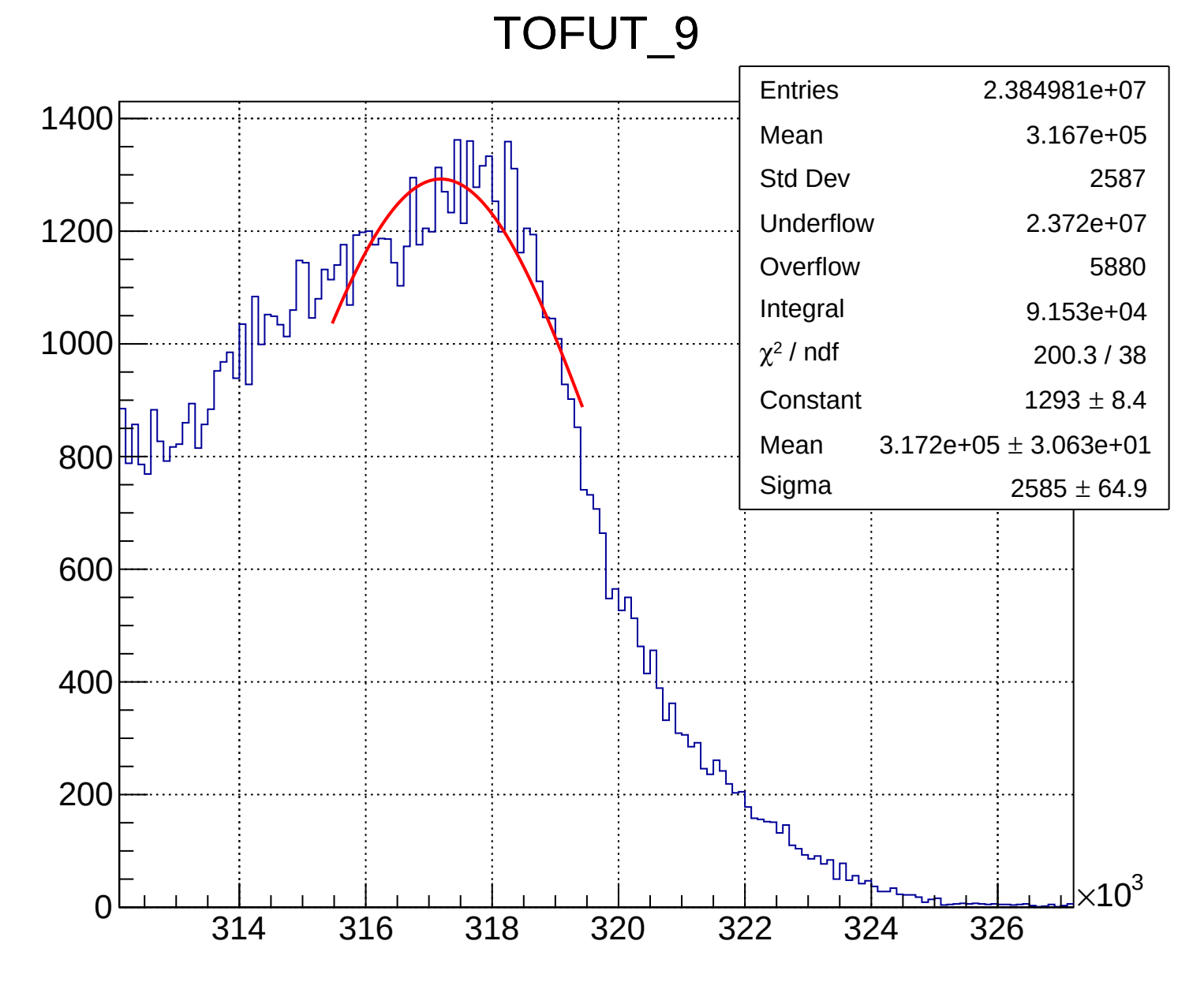

TOFUT_4
Entries 2.384981e+07
Mean 3.164e+05
Std Dev 2507
Underflow 2.372e+07
Overflow 2949
Integral 9.867e+04
χ² / ndf 596.8 / 38
Constant 1617 ± 9.9
Mean 3.169e+05 ± 1.469e+01
Sigma 1727 ± 21.0
1800
1600
1400
1200
1000
800
600
400
200
0
312
314
316
318
320
322
324
326
×10³

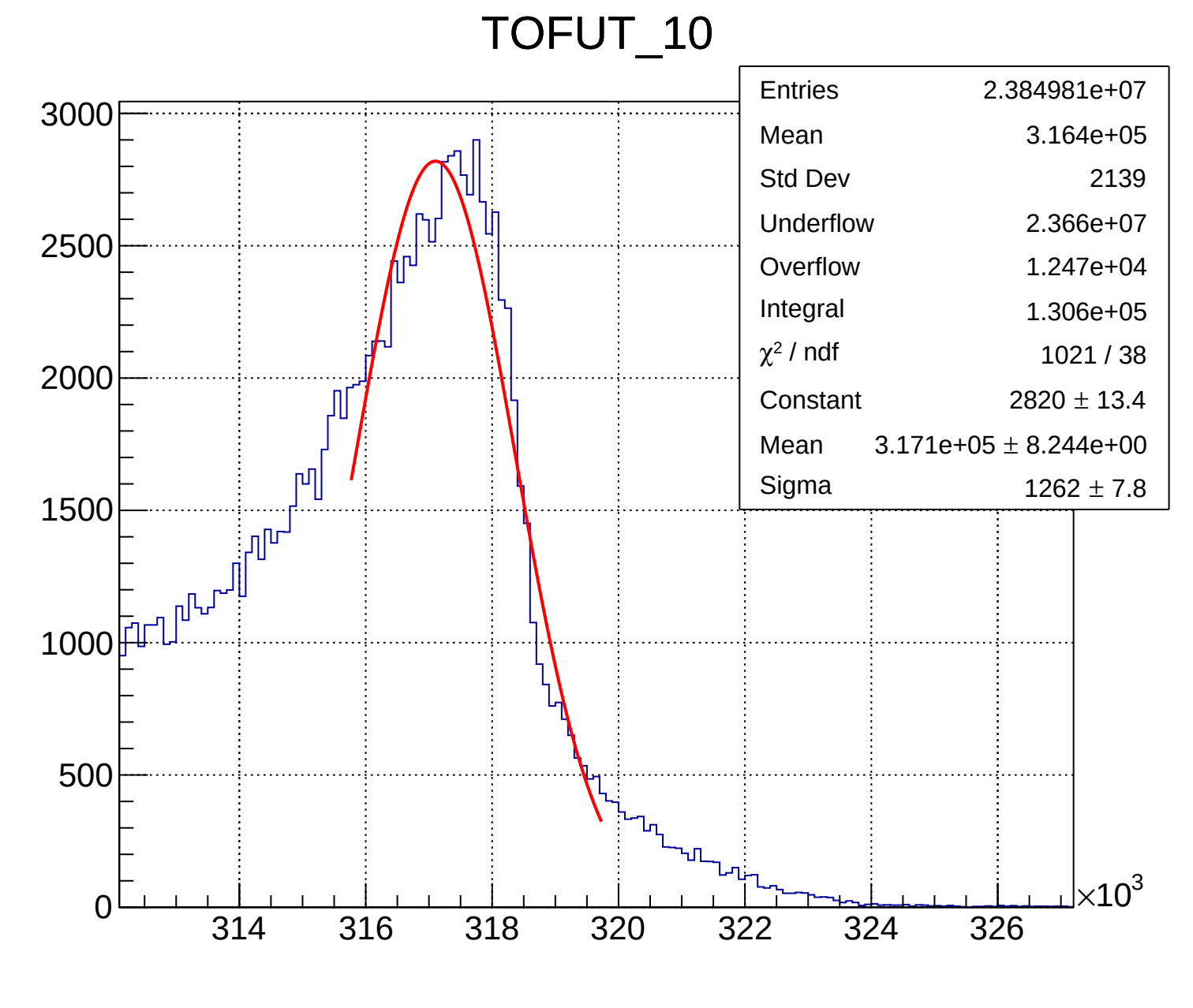

TOFUT_5
Entries 2.384981e+07
Mean 3.209e+05
Std Dev 2498
Underflow 2.368e+07
Overflow 3834
Integral 1.252e+05
χ² / ndf 383.3 / 38
Constant 1999 ± 10.6
Mean 3.213e+05 ± 1.768e+01
Sigma 1855 ± 22.9
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
318
320
322
324
326
328
330
×10³

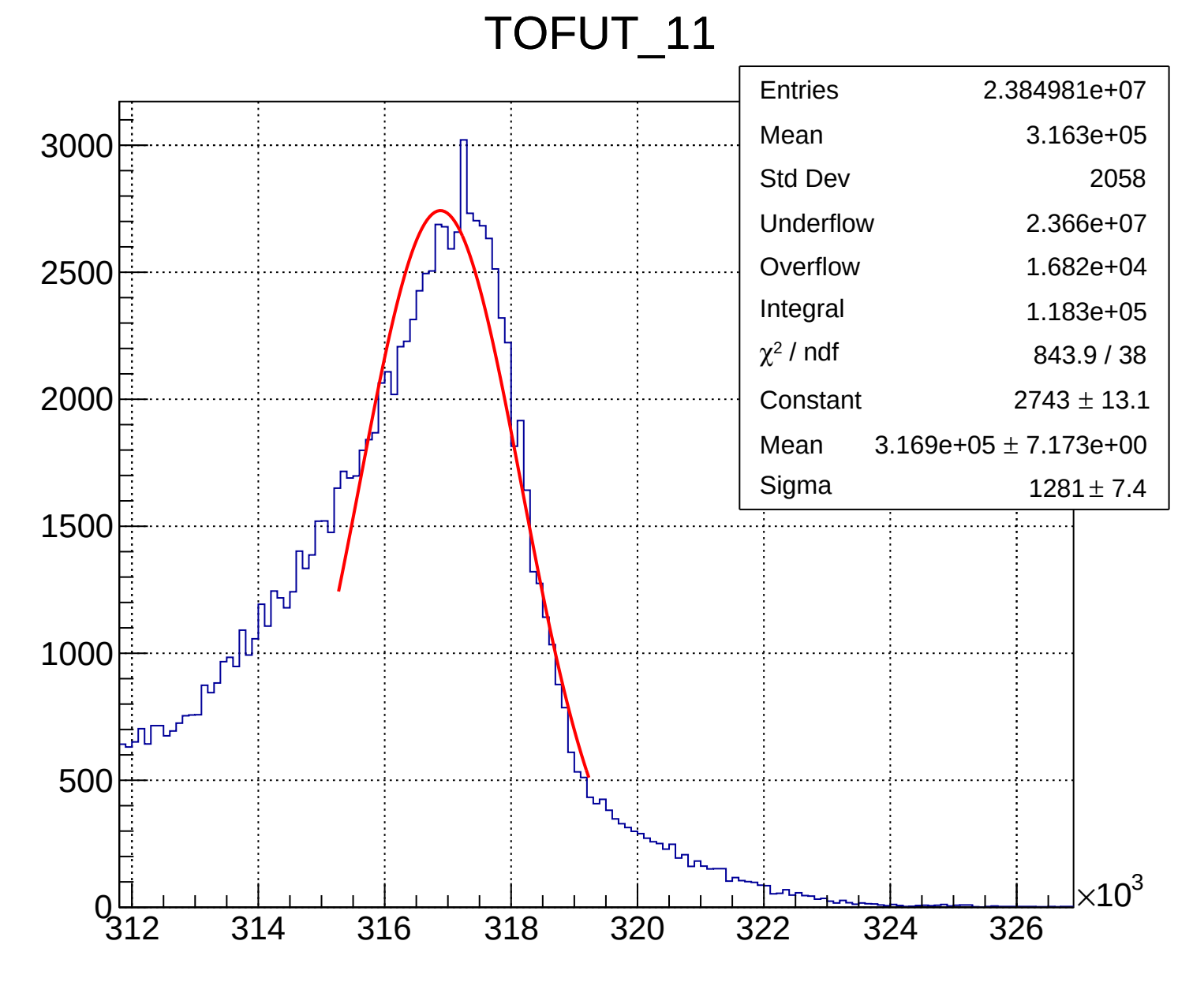

TOFUT_6
Entries 2.384981e+07
Mean 3.173e+05
Std Dev 2598
Underflow 2.368e+07
Overflow 4590
Integral 1.283e+05
χ² / ndf 262.3 / 38
Constant 1946 ± 10.5
Mean 3.178e+05 ± 1.738e+01
Sigma 1940 ± 25.2
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
×10³

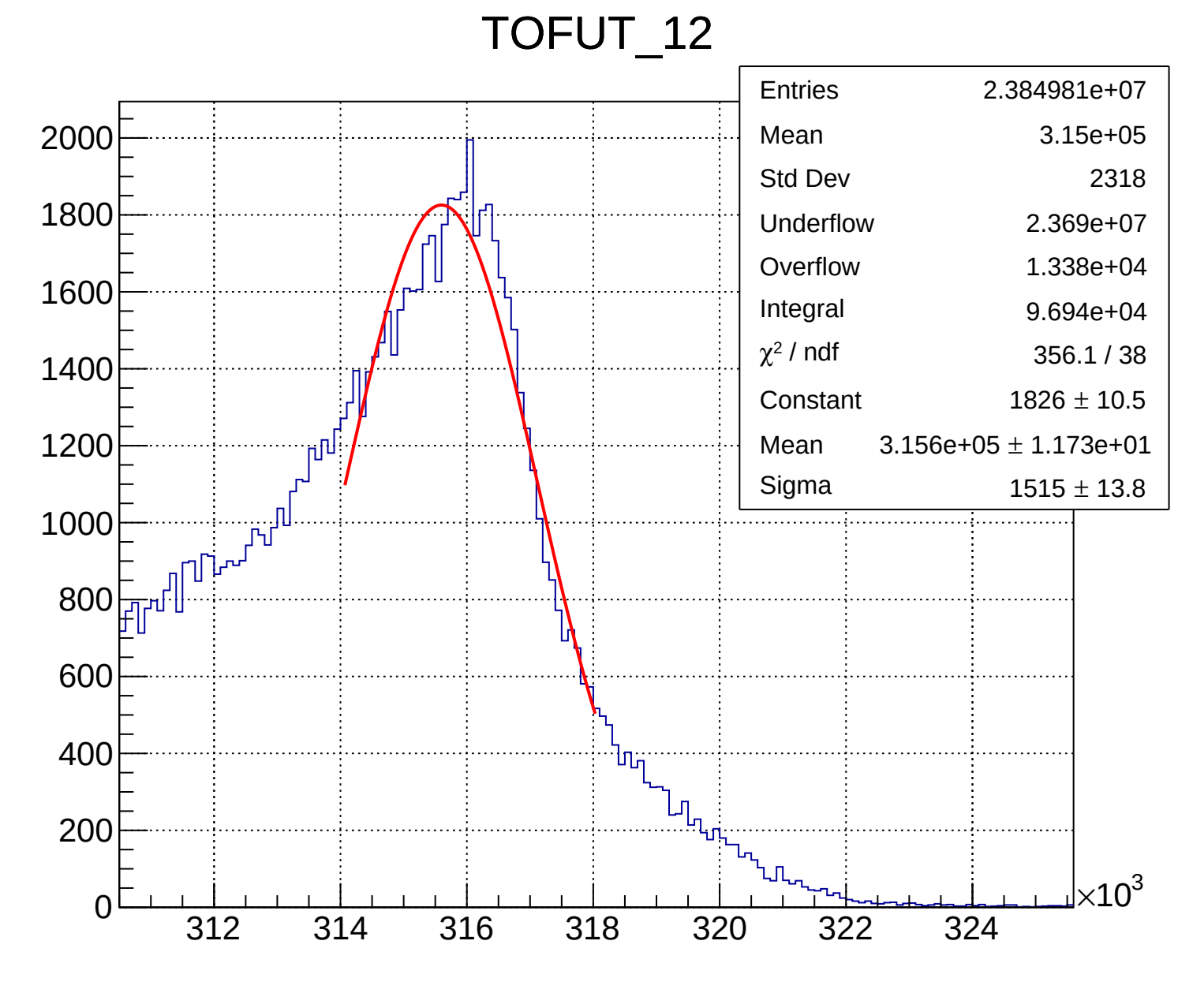

TOFUT_7
Entries 2.384981e+07
Mean 3.15e+05
Std Dev 2658
Underflow 2.374e+07
Overflow 4149
Integral 7.853e+04
χ² / ndf 119.3 / 38
Constant 1114 ± 7.8
Mean 3.155e+05 ± 2.777e+01
Sigma 2238 ± 47.0
1000
800
600
400
200
0
312
314
316
318
320
322
324
×10³

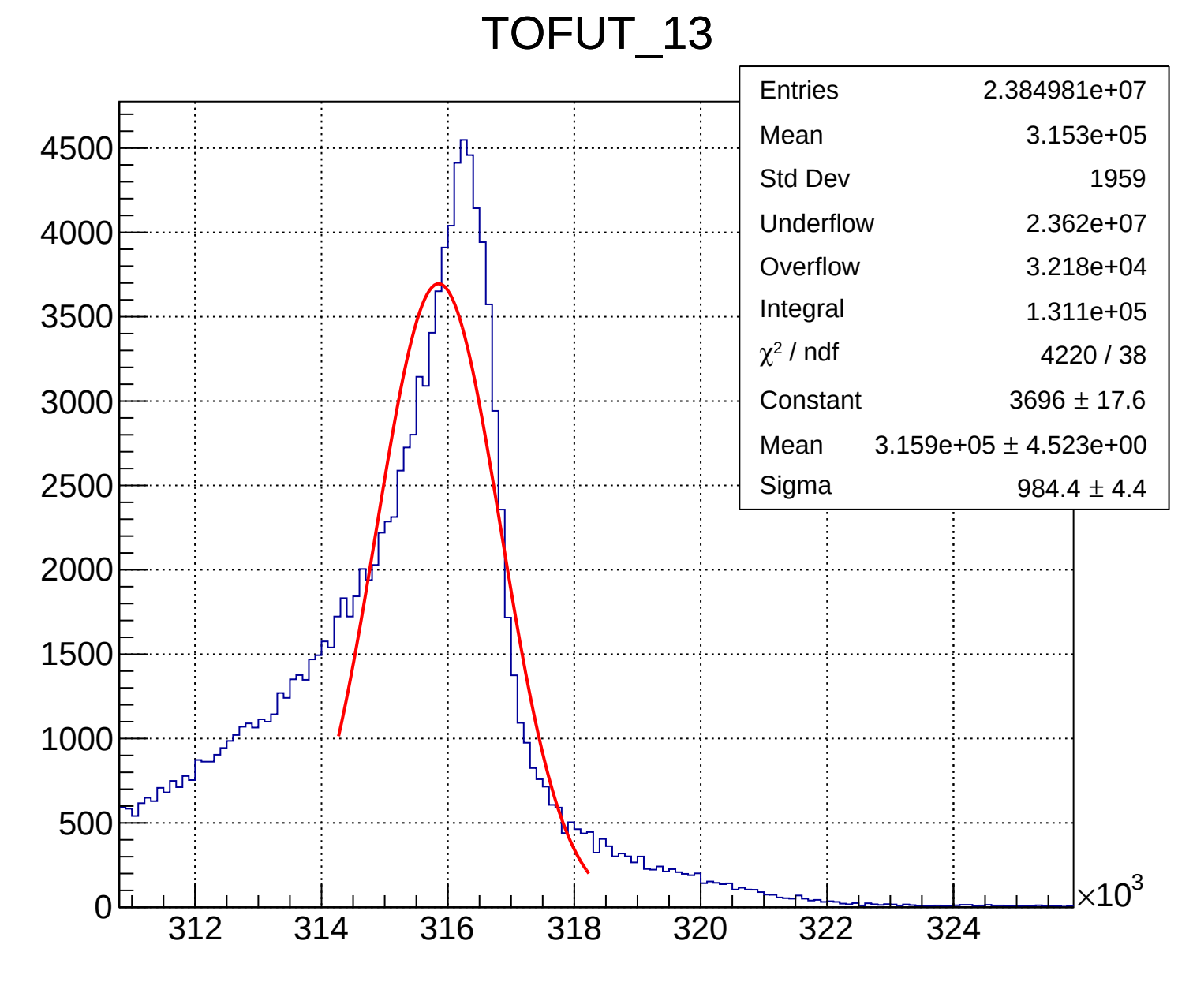

TOFUT_8
Entries 2.384981e+07
Mean 3.159e+05
Std Dev 2609
Underflow 2.371e+07
Overflow 4840
Integral 9.535e+04
χ² / ndf 99.07 / 38
Constant 1367 ± 8.3
Mean 3.166e+05 ± 2.919e+01
Sigma 2027 ± 33.9
1400
1200
1000
800
600
400
200
0
312
314
316
318
320
322
324
326
×10³

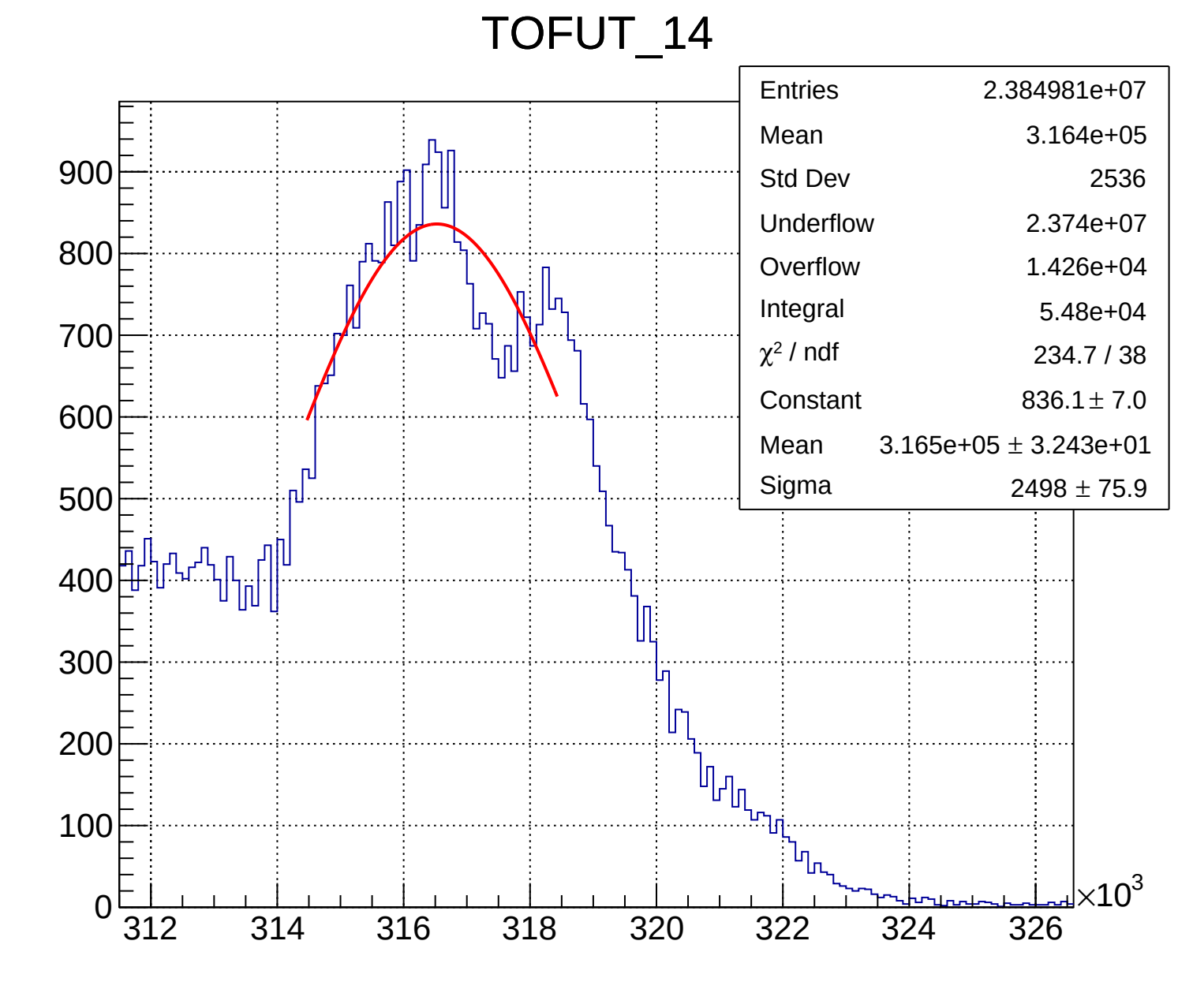

TOFUT_9
Entries 2.384981e+07
Mean 3.167e+05
Std Dev 2587
Underflow 2.372e+07
Overflow 5880
Integral 9.153e+04
χ² / ndf 200.3 / 38
Constant 1293 ± 8.4
Mean 3.172e+05 ± 3.063e+01
Sigma 2585 ± 64.9
1400
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
×10³

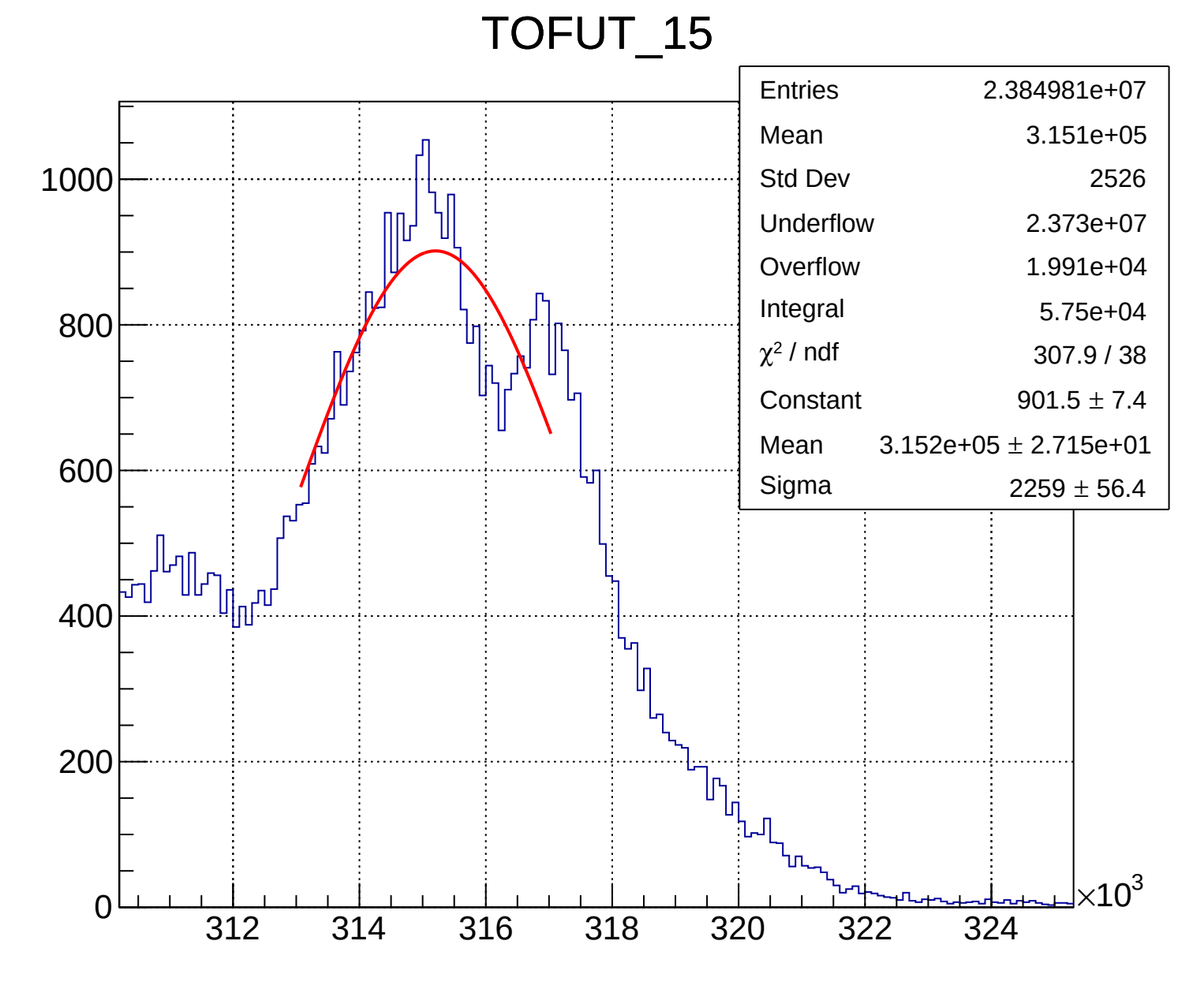

TOFUT_10
Entries 2.384981e+07
Mean 3.164e+05
Std Dev 2139
Underflow 2.366e+07
Overflow 1.247e+04
Integral 1.306e+05
χ² / ndf 1021 / 38
Constant 2820 ± 13.4
Mean 3.171e+05 ± 8.244e+00
Sigma 1262 ± 7.8
3000
2500
2000
1500
1000
500
0
314
316
318
320
322
324
326
×10³

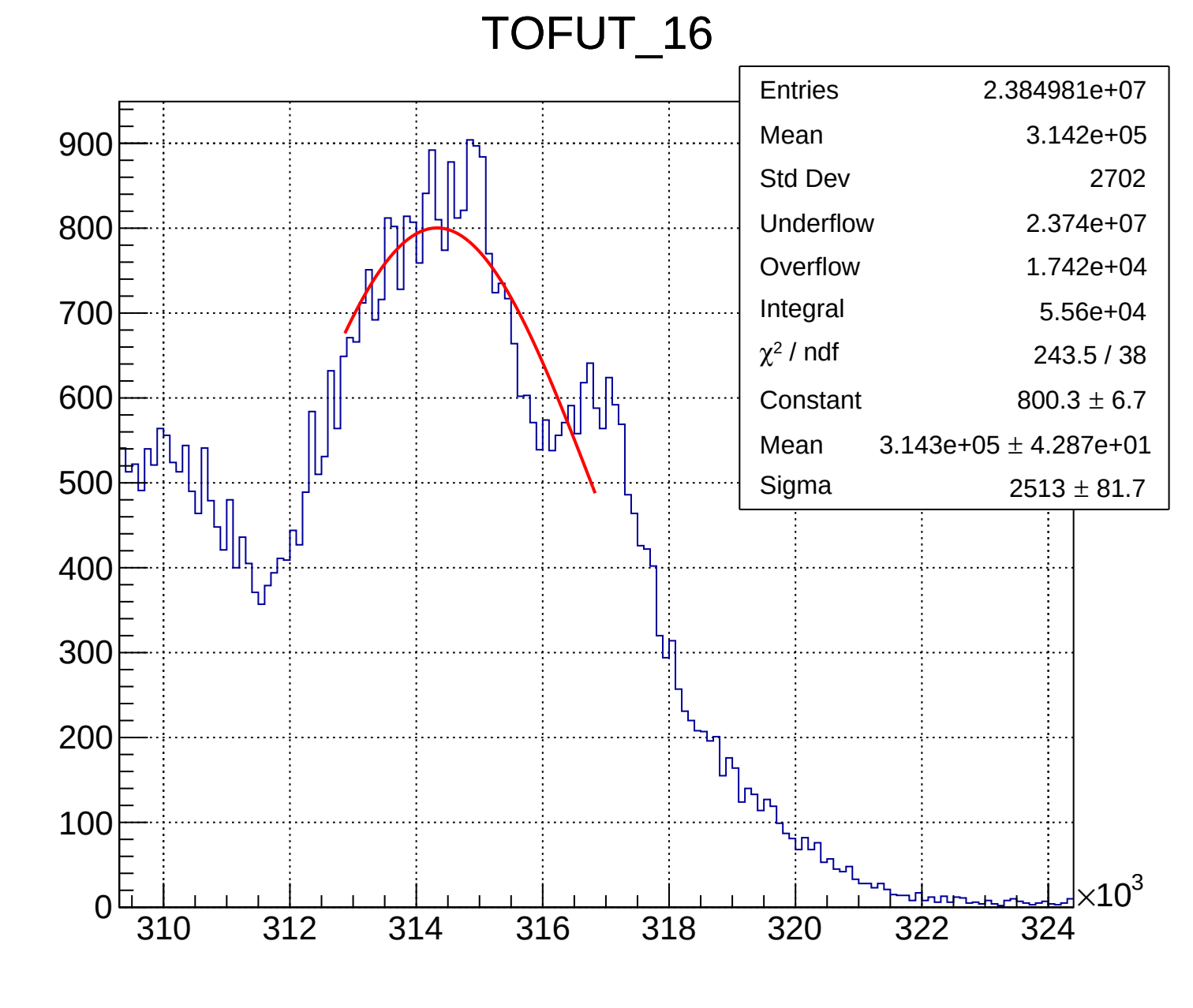

TOFUT_11
Entries 2.384981e+07
Mean 3.163e+05
Std Dev 2058
Underflow 2.366e+07
Overflow 1.682e+04
Integral 1.183e+05
χ² / ndf 843.9 / 38
Constant 2743 ± 13.1
Mean 3.169e+05 ± 7.173e+00
Sigma 1281 ± 7.4
3000
2500
2000
1500
1000
500
0
312
314
316
318
320
322
324
326
×10³

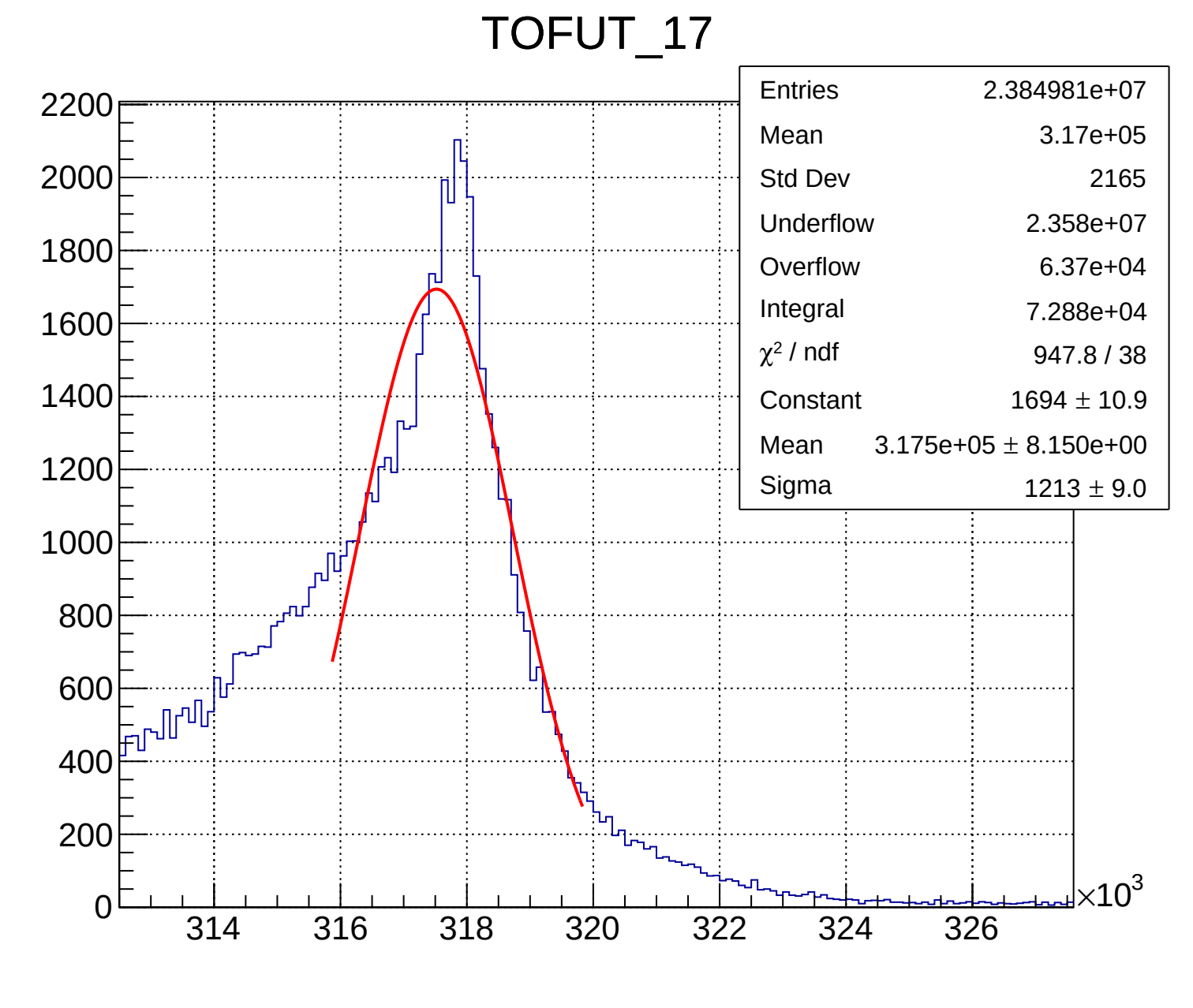

TOFUT_12
Entries 2.384981e+07
Mean 3.15e+05
Std Dev 2318
Underflow 2.369e+07
Overflow 1.338e+04
Integral 9.694e+04
χ² / ndf 356.1 / 38
Constant 1826 ± 10.5
Mean 3.156e+05 ± 1.173e+01
Sigma 1515 ± 13.8
2000
1800
1600
1400
1200
1000
800
600
400
200
0
312
314
316
318
320
322
324
×10³

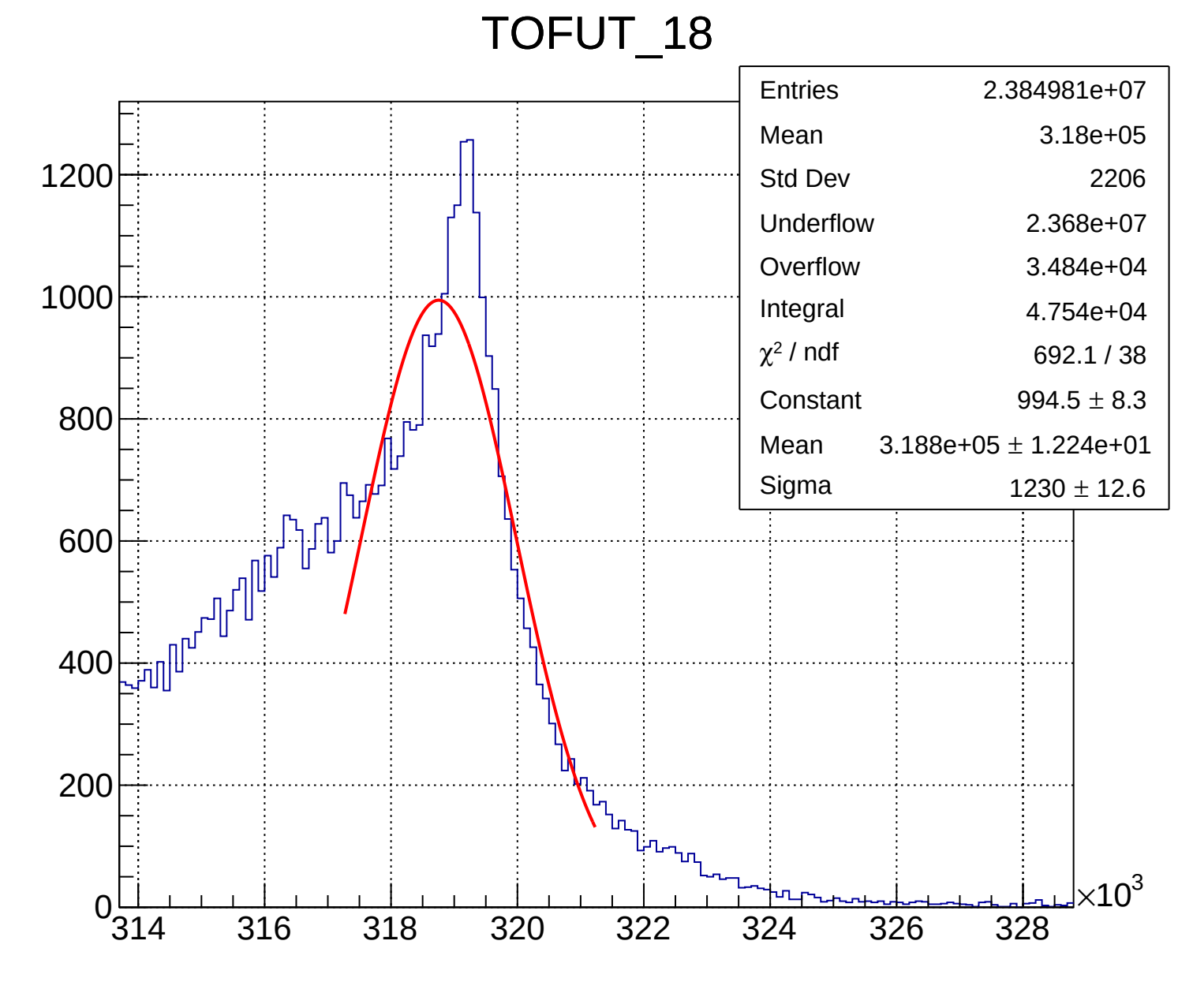

TOFUT_13
Entries 2.384981e+07
Mean 3.153e+05
Std Dev 1959
Underflow 2.362e+07
Overflow 3.218e+04
Integral 1.311e+05
χ² / ndf 4220 / 38
Constant 3696 ± 17.6
Mean 3.159e+05 ± 4.523e+00
Sigma 984.4 ± 4.4
4500
4000
3500
3000
2500
2000
1500
1000
500
0
312
314
316
318
320
322
324
×10³

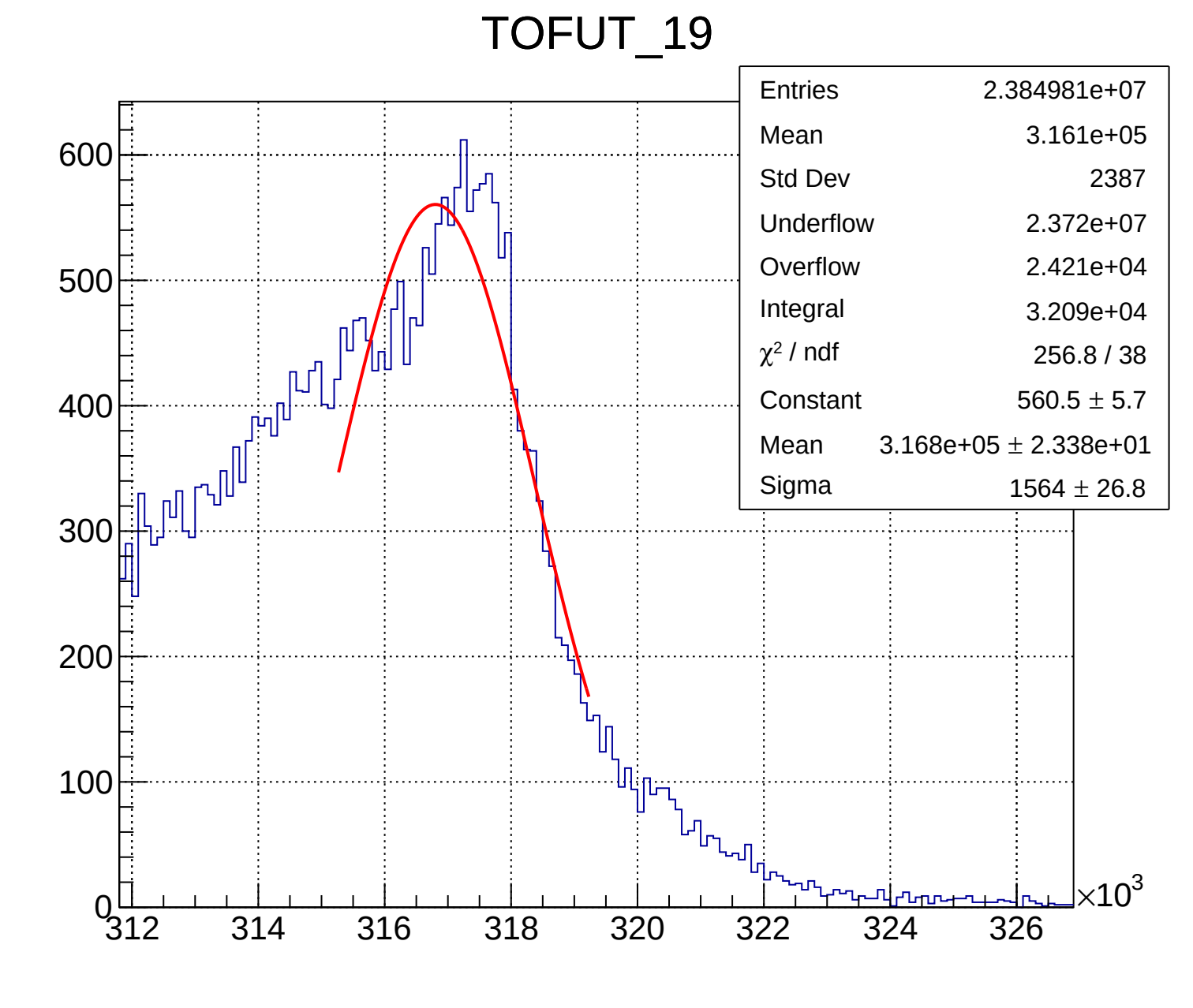

TOFUT_14
Entries 2.384981e+07
Mean 3.164e+05
Std Dev 2536
Underflow 2.374e+07
Overflow 1.426e+04
Integral 5.48e+04
χ² / ndf 234.7 / 38
Constant 836.1 ± 7.0
Mean 3.165e+05 ± 3.243e+01
Sigma 2498 ± 75.9
900
800
700
600
500
400
300
200
100
0
312
314
316
318
320
322
324
326
×10³

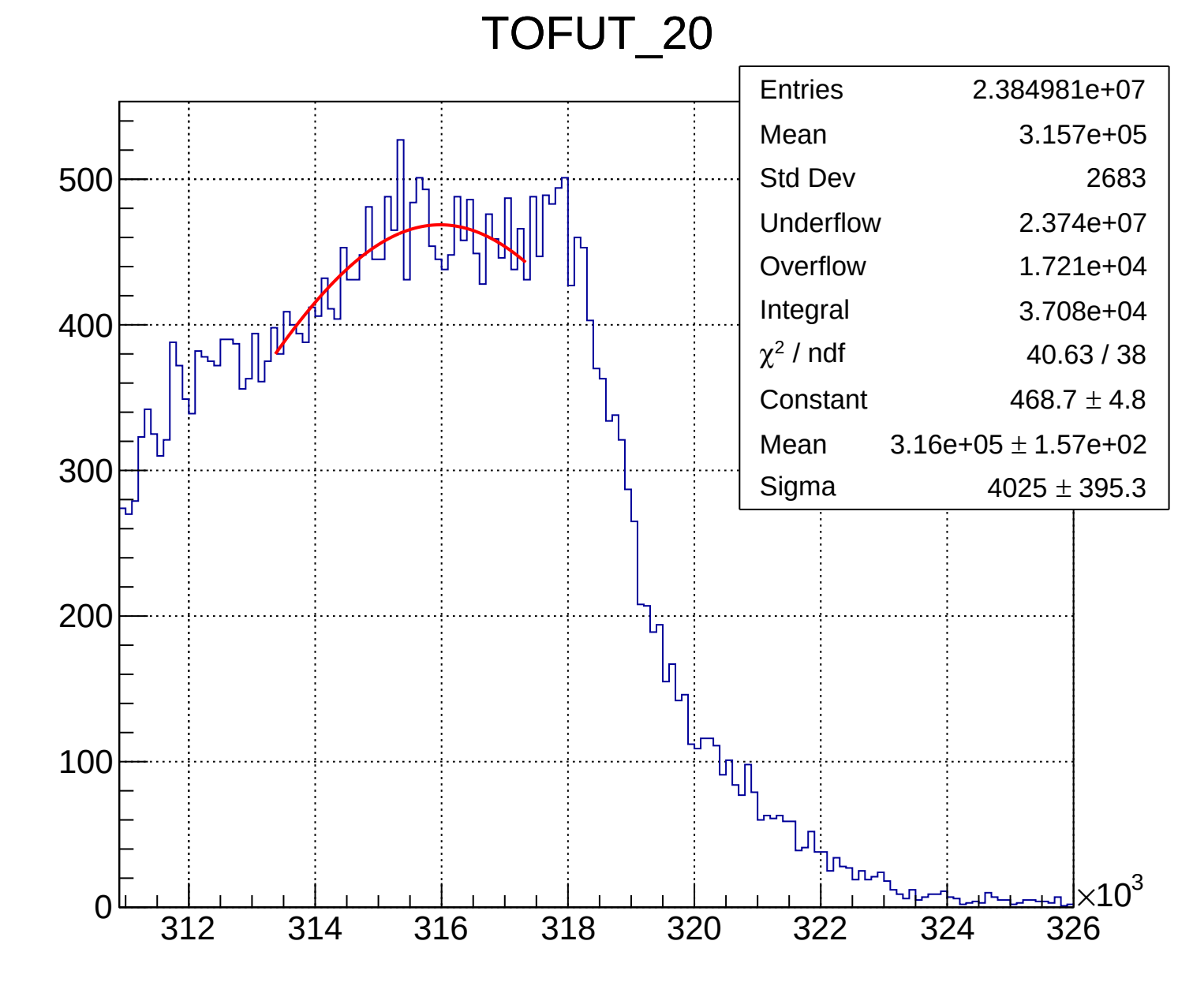

TOFUT_15
Entries 2.384981e+07
Mean 3.151e+05
Std Dev 2526
Underflow 2.373e+07
Overflow 1.991e+04
Integral 5.75e+04
χ² / ndf 307.9 / 38
Constant 901.5 ± 7.4
Mean 3.152e+05 ± 2.715e+01
Sigma 2259 ± 56.4
1000
800
600
400
200
0
312
314
316
318
320
322
324
×10³

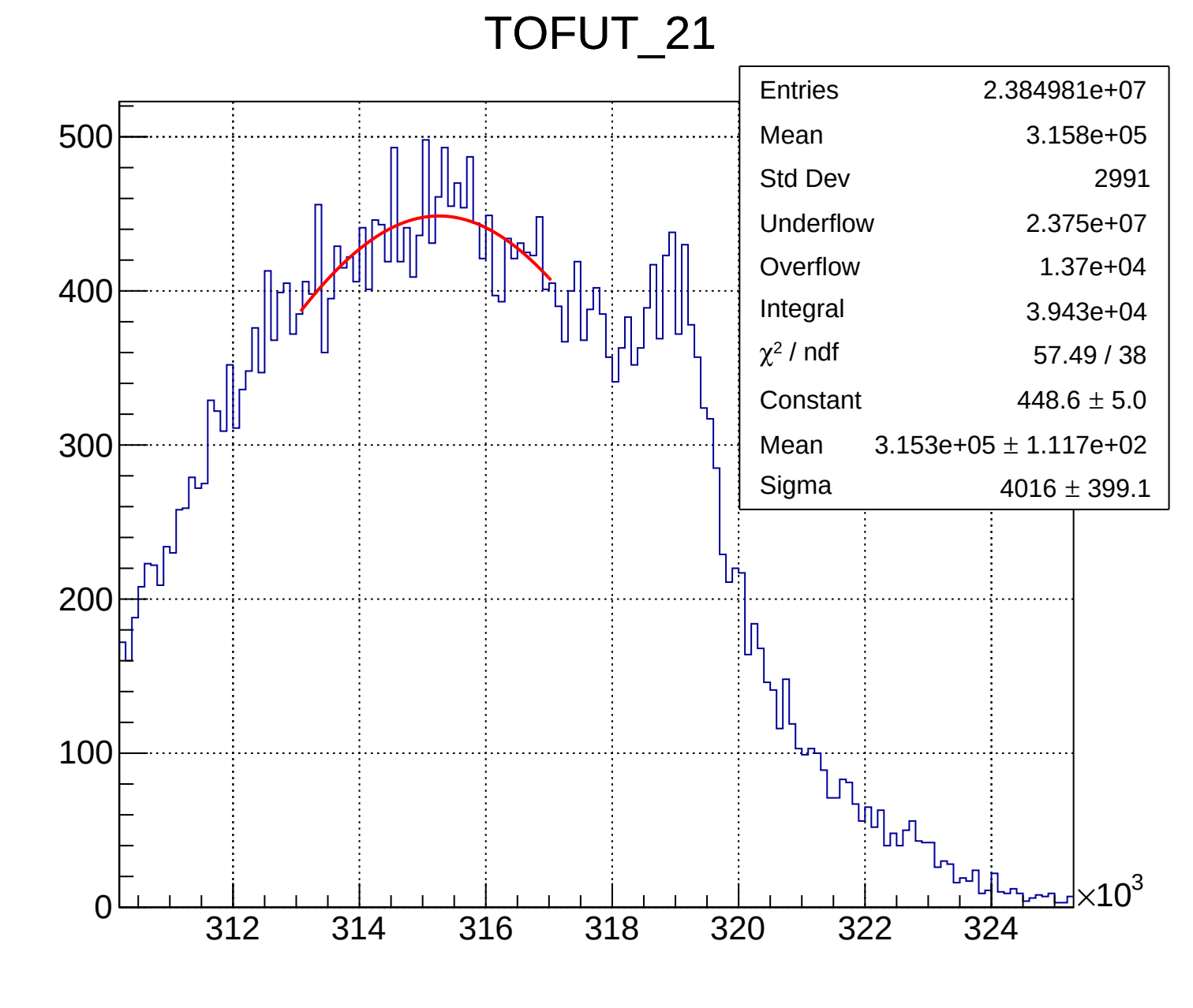

TOFUT_16
Entries 2.384981e+07
Mean 3.142e+05
Std Dev 2702
Underflow 2.374e+07
Overflow 1.742e+04
Integral 5.56e+04
χ² / ndf 243.5 / 38
Constant 800.3 ± 6.7
Mean 3.143e+05 ± 4.287e+01
Sigma 2513 ± 81.7
900
800
700
600
500
400
300
200
100
0
310
312
314
316
318
320
322
324
×10³

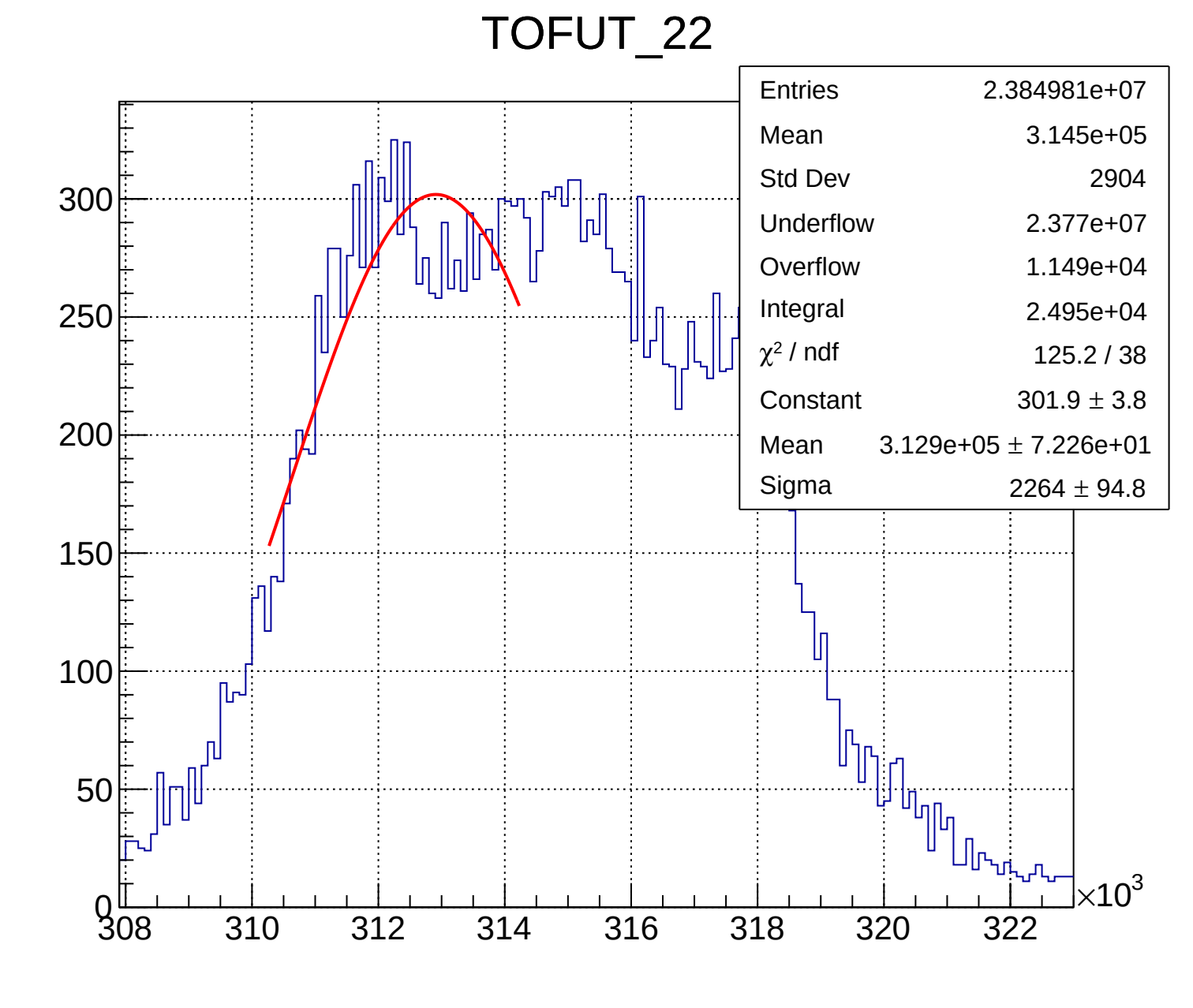

TOFUT_17
Entries 2.384981e+07
Mean 3.17e+05
Std Dev 2165
Underflow 2.358e+07
Overflow 6.37e+04
Integral 7.288e+04
χ² / ndf 947.8 / 38
Constant 1694 ± 10.9
Mean 3.175e+05 ± 8.150e+00
Sigma 1213 ± 9.0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
×10³

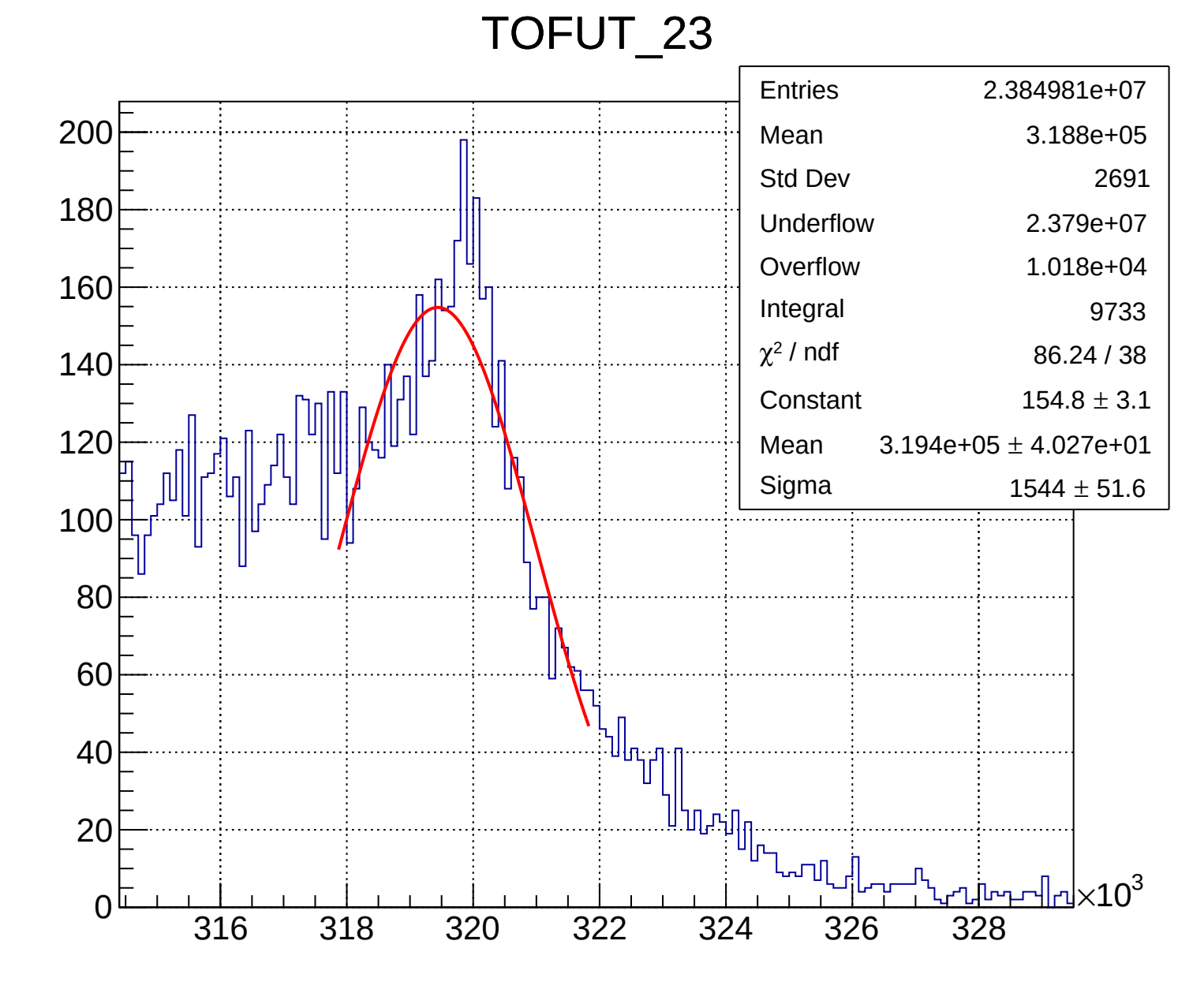

TOFUT_18
Entries 2.384981e+07
Mean 3.18e+05
Std Dev 2206
Underflow 2.368e+07
Overflow 3.484e+04
Integral 4.754e+04
χ² / ndf 692.1 / 38
Constant 994.5 ± 8.3
Mean 3.188e+05 ± 1.224e+01
Sigma 1230 ± 12.6
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
328
×10³

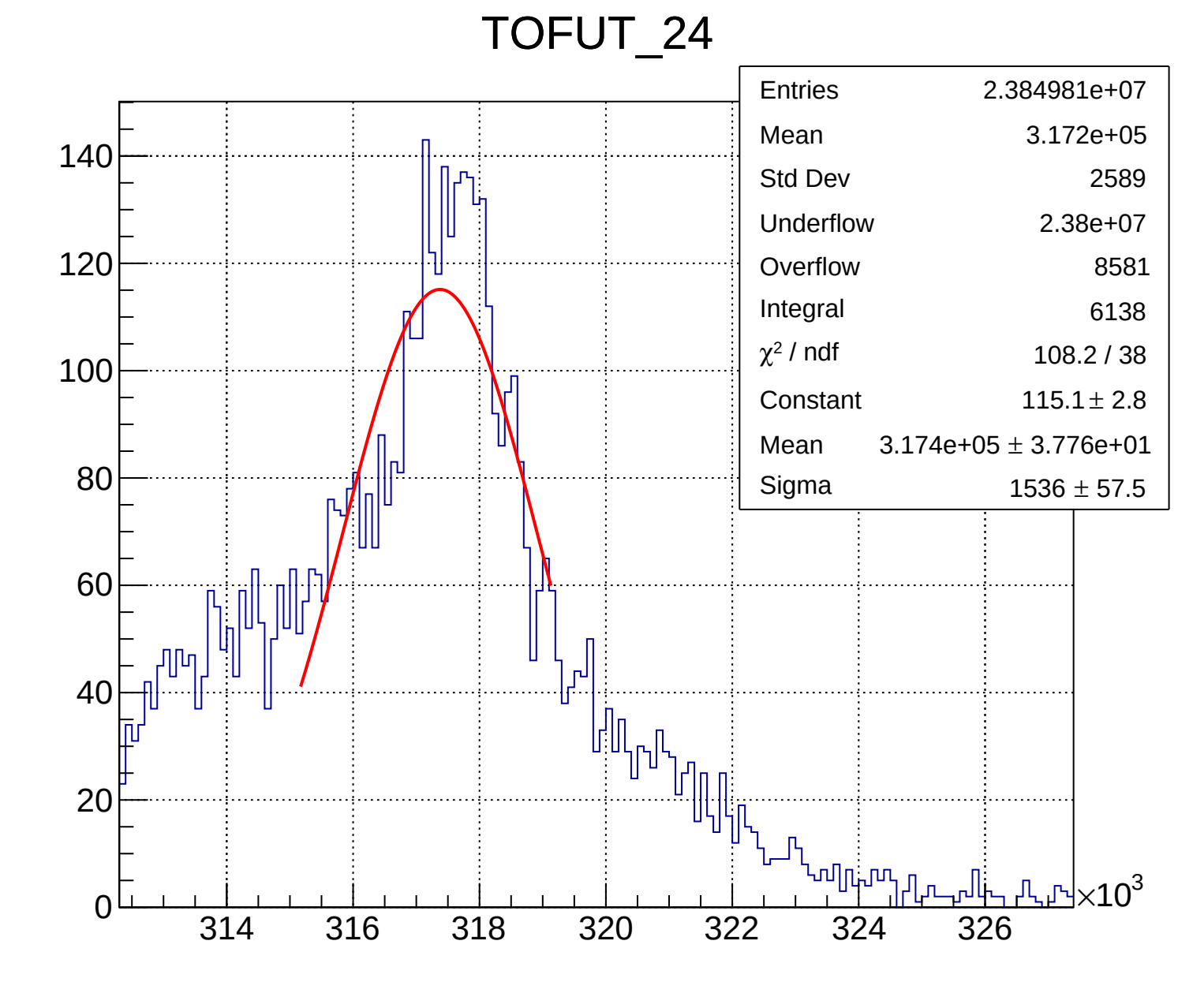

TOFUT_19
Entries 2.384981e+07
Mean 3.161e+05
Std Dev 2387
Underflow 2.372e+07
Overflow 2.421e+04
Integral 3.209e+04
χ² / ndf 256.8 / 38
Constant 560.5 ± 5.7
Mean 3.168e+05 ± 2.338e+01
Sigma 1564 ± 26.8
600
500
400
300
200
100
0
312
314
316
318
320
322
324
326
×10³

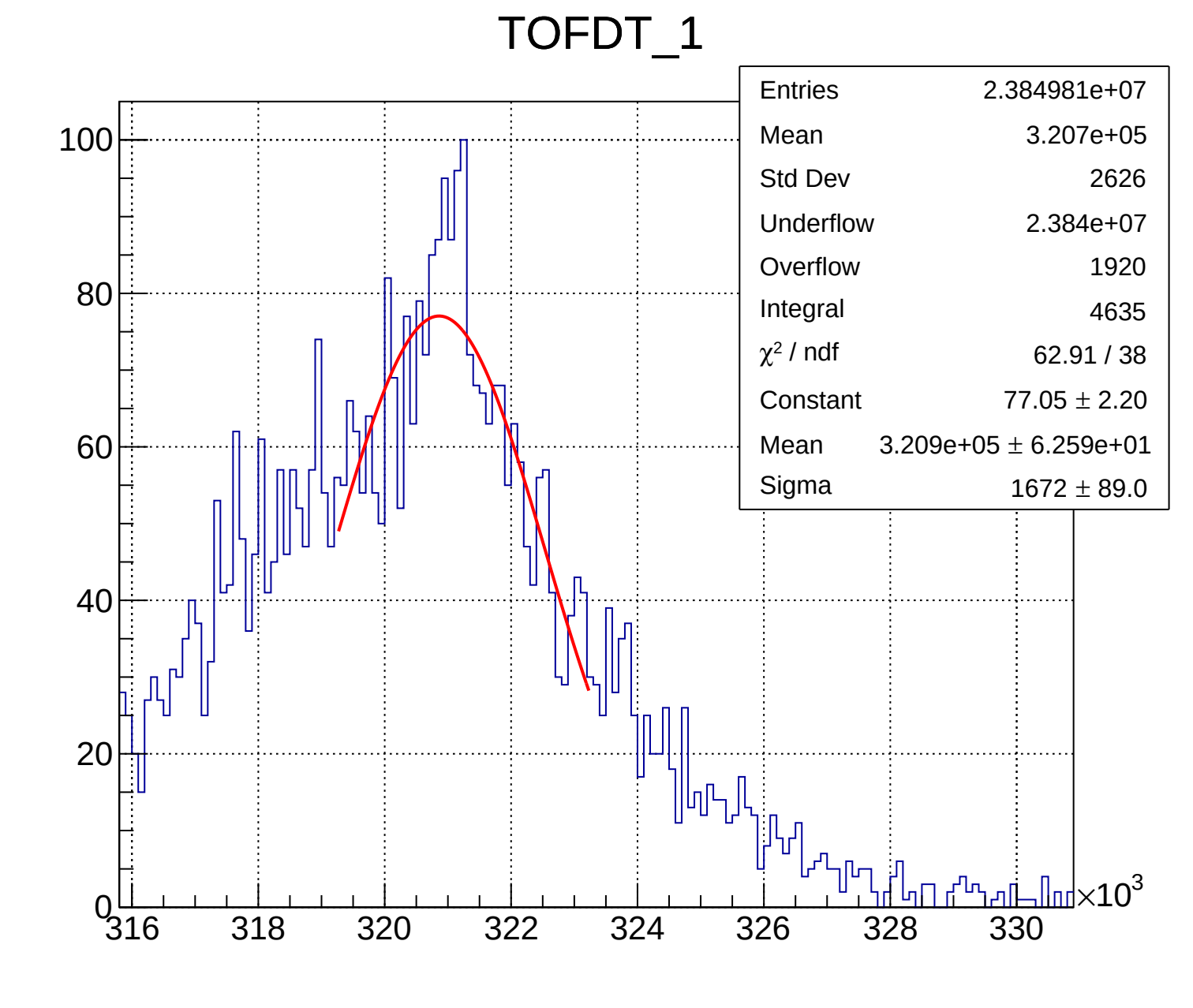

TOFUT_20
Entries 2.384981e+07
Mean 3.157e+05
Std Dev 2683
Underflow 2.374e+07
Overflow 1.721e+04
Integral 3.708e+04
χ² / ndf 40.63 / 38
Constant 468.7 ± 4.8
Mean 3.16e+05 ± 1.57e+02
Sigma 4025 ± 395.3
500
400
300
200
100
0
312
314
316
318
320
322
324
326
×10³

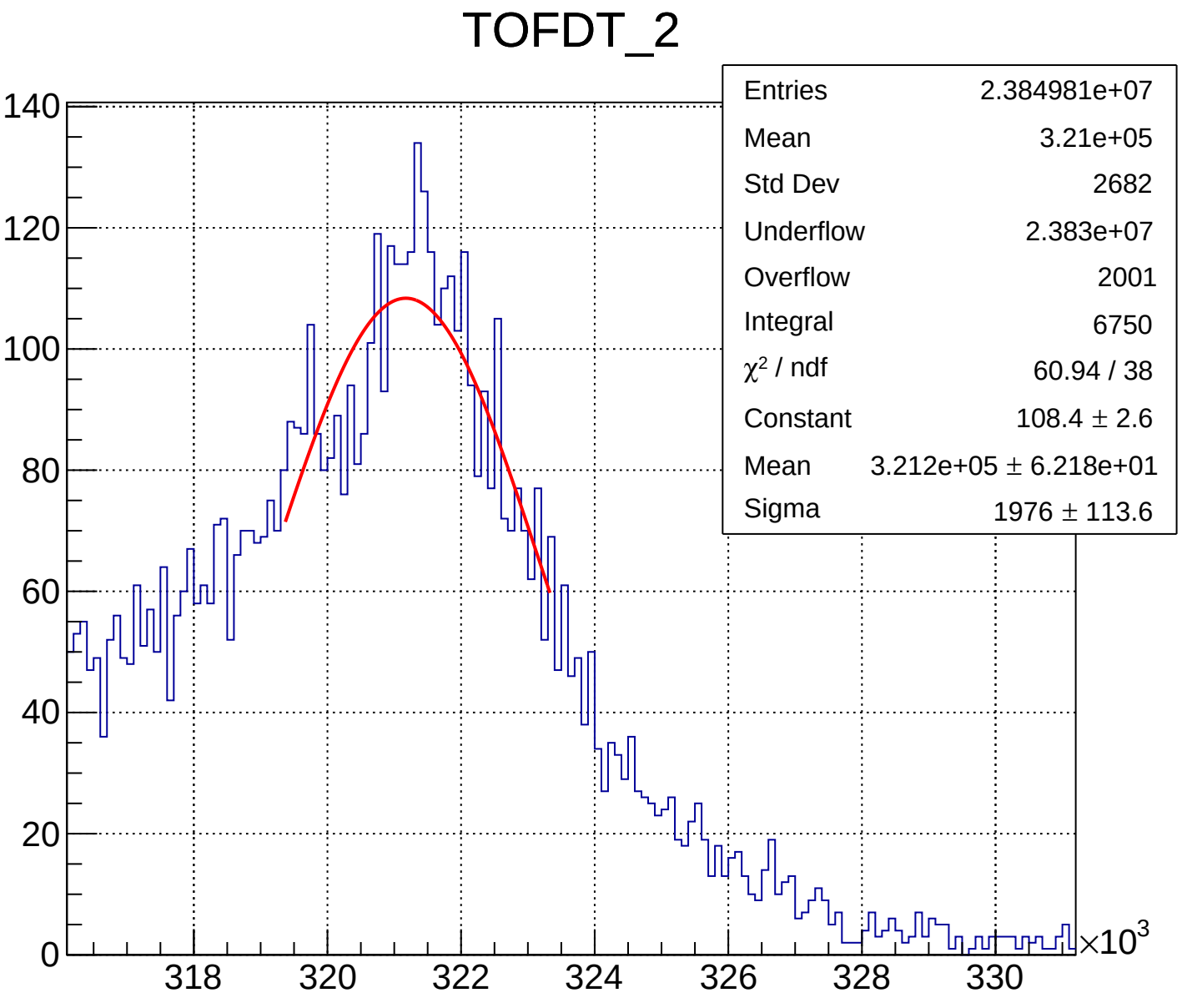

TOFUT_21
Entries 2.384981e+07
Mean 3.158e+05
Std Dev 2991
Underflow 2.375e+07
Overflow 1.37e+04
Integral 3.943e+04
χ² / ndf 57.49 / 38
Constant 448.6 ± 5.0
Mean 3.153e+05 ± 1.117e+02
Sigma 4016 ± 399.1
500
400
300
200
100
0
312
314
316
318
320
322
324
×10³

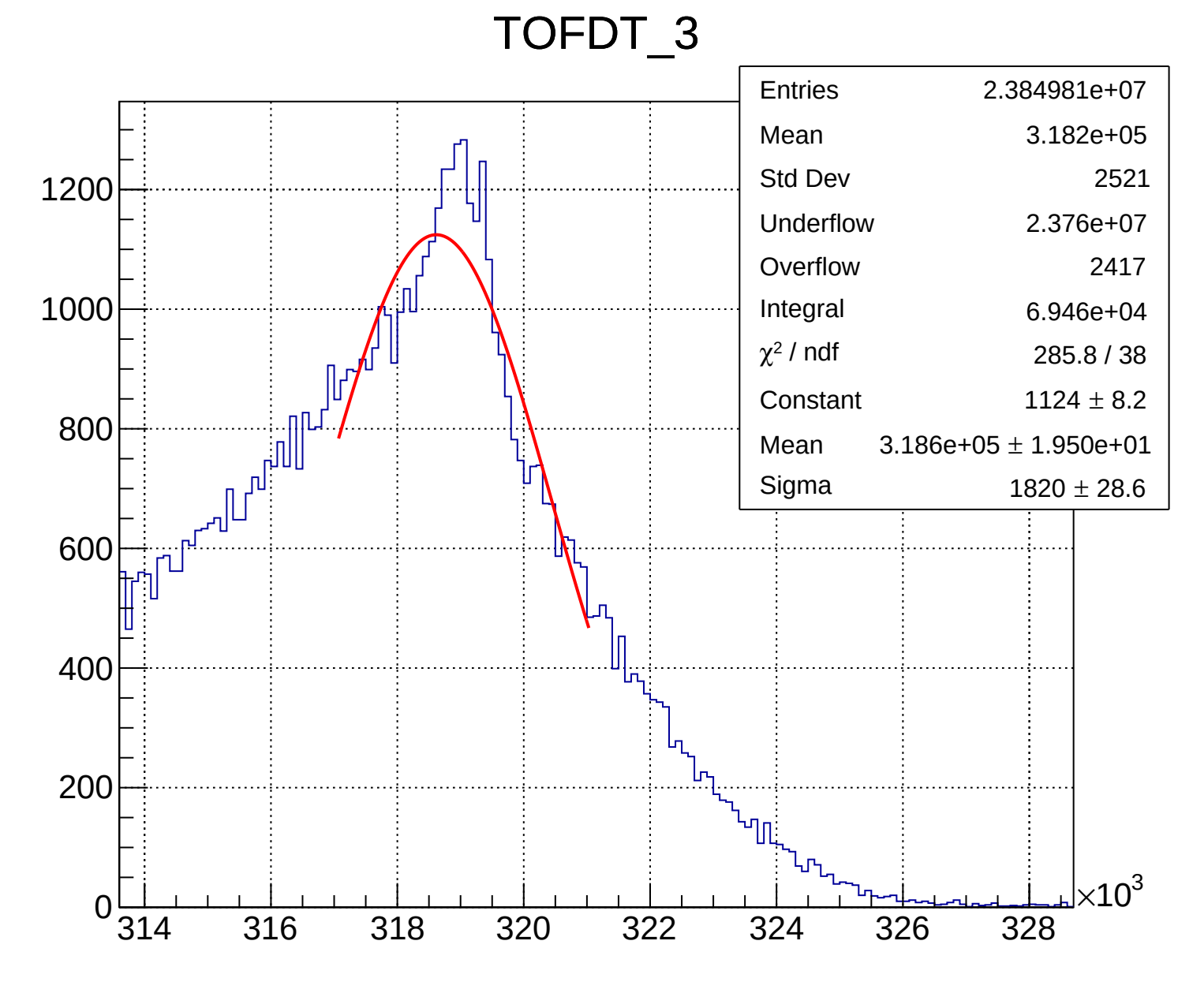

TOFUT_22
Entries 2.384981e+07
Mean 3.145e+05
Std Dev 2904
Underflow 2.377e+07
Overflow 1.149e+04
Integral 2.495e+04
χ² / ndf 125.2 / 38
Constant 301.9 ± 3.8
Mean 3.129e+05 ± 7.226e+01
Sigma 2264 ± 94.8
300
250
200
150
100
50
0
308
310
312
314
316
318
320
322
×10³

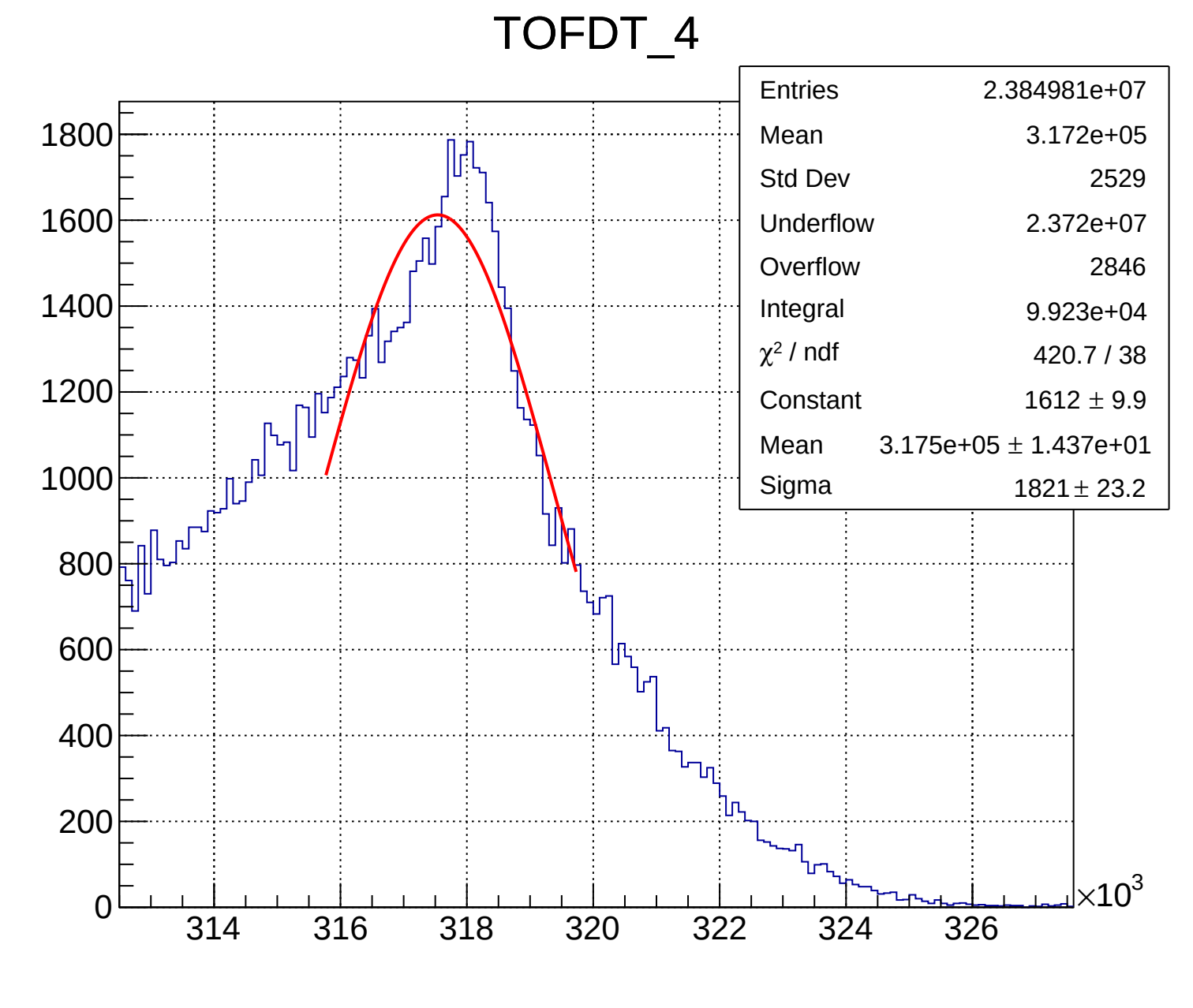

TOFUT_23
Entries 2.384981e+07
Mean 3.188e+05
Std Dev 2691
Underflow 2.379e+07
Overflow 1.018e+04
Integral 9733
χ² / ndf 86.24 / 38
Constant 154.8 ± 3.1
Mean 3.194e+05 ± 4.027e+01
Sigma 1544 ± 51.6
200
180
160
140
120
100
80
60
40
20
0
316
318
320
322
324
326
328
×10³

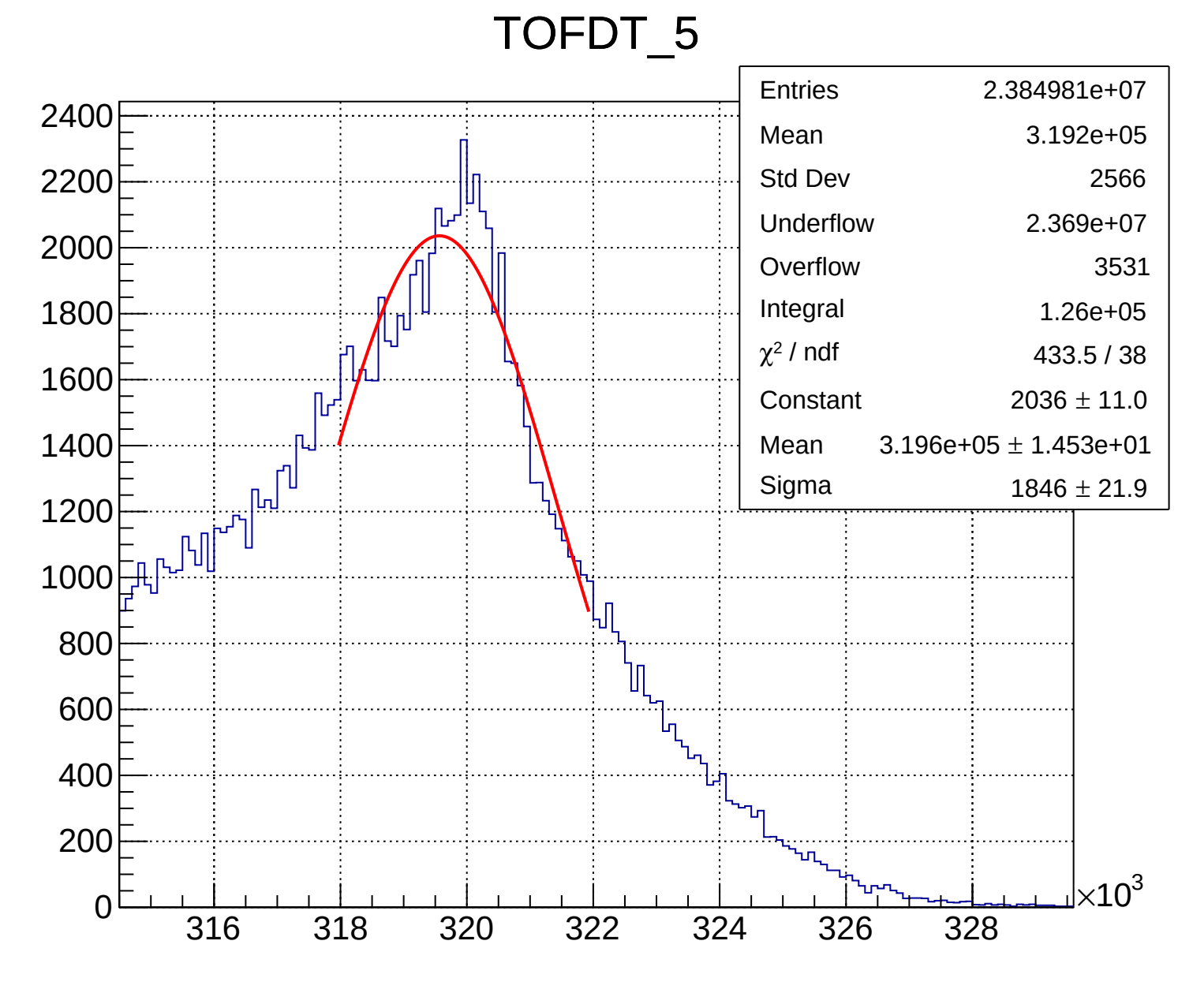

TOFUT_24
Entries 2.384981e+07
Mean 3.172e+05
Std Dev 2589
Underflow 2.38e+07
Overflow 8581
Integral 6138
χ² / ndf 108.2 / 38
Constant 115.1 ± 2.8
Mean 3.174e+05 ± 3.776e+01
Sigma 1536 ± 57.5
140
120
100
80
60
40
20
0
314
316
318
320
322
324
326
×10³

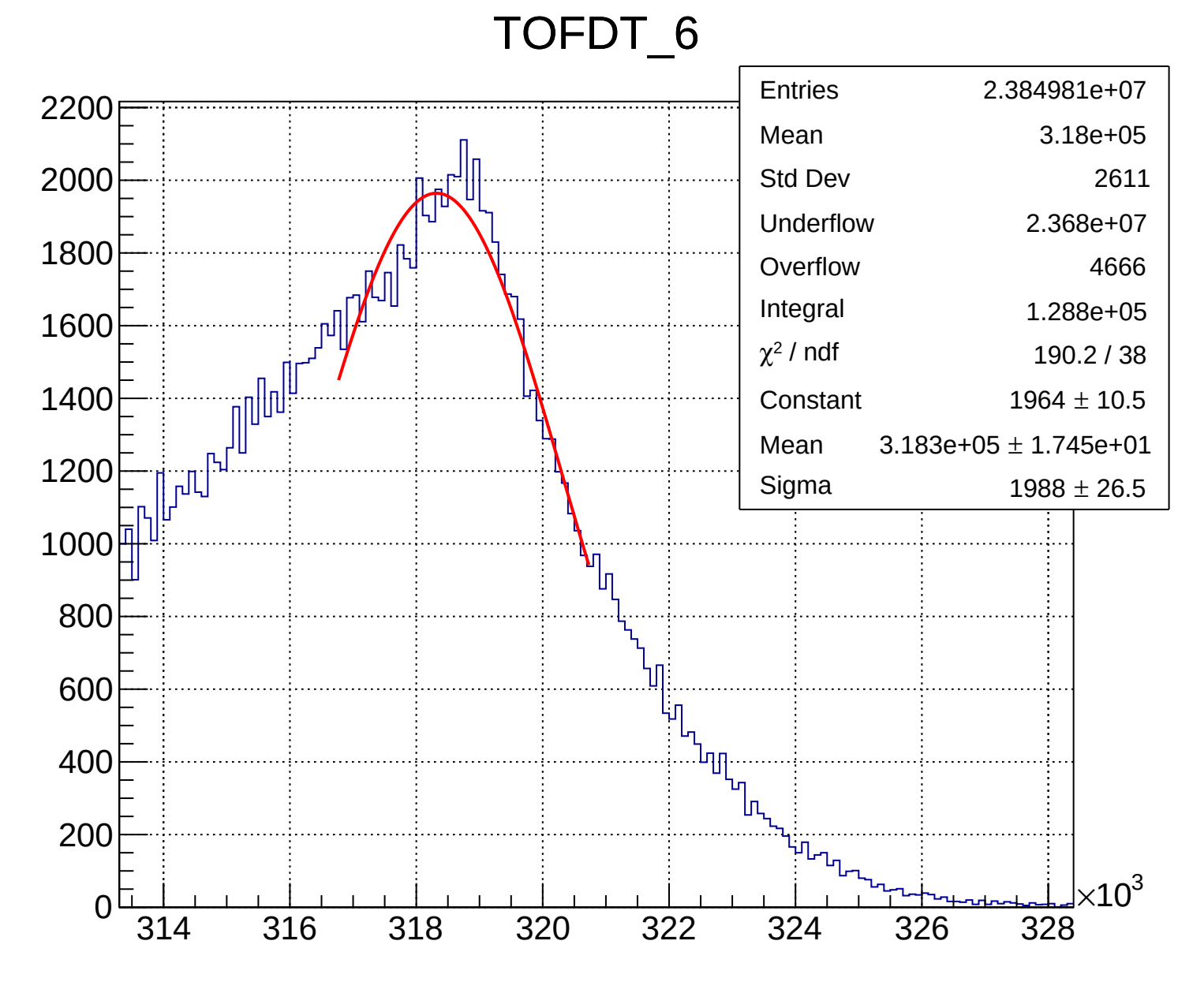

TOFDT_1
Entries 2.384981e+07
Mean 3.207e+05
Std Dev 2626
Underflow 2.384e+07
Overflow 1920
Integral 4635
χ² / ndf 62.91 / 38
Constant 77.05 ± 2.20
Mean 3.209e+05 ± 6.259e+01
Sigma 1672 ± 89.0
100
80
60
40
20
0
316
318
320
322
324
326
328
330
×10³

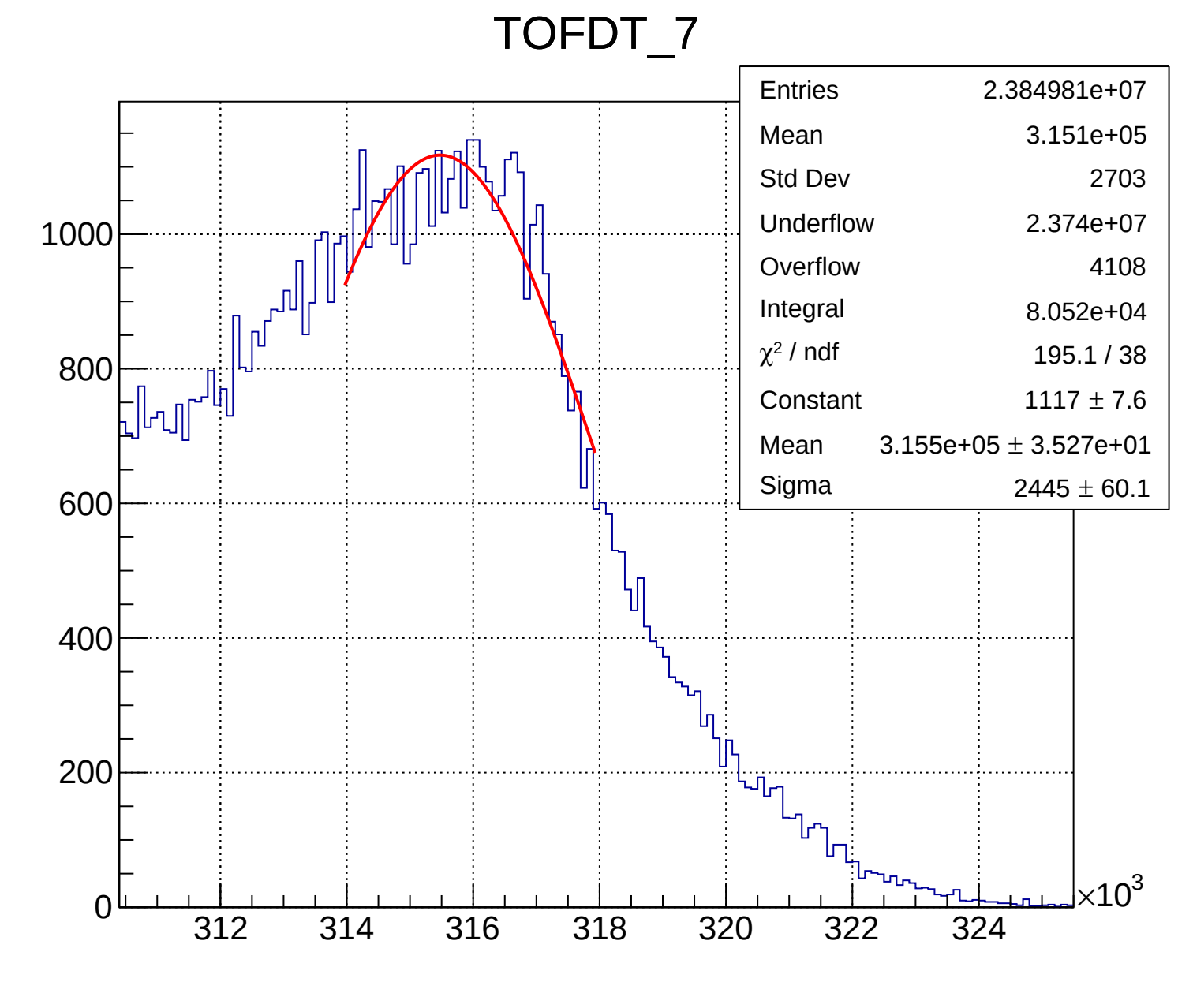

TOFDT_2
Entries 2.384981e+07
Mean 3.21e+05
Std Dev 2682
Underflow 2.383e+07
Overflow 2001
Integral 6750
χ² / ndf 60.94 / 38
Constant 108.4 ± 2.6
Mean 3.212e+05 ± 6.218e+01
Sigma 1976 ± 113.6
140
120
100
80
60
40
20
0
318
320
322
324
326
328
330
×10³

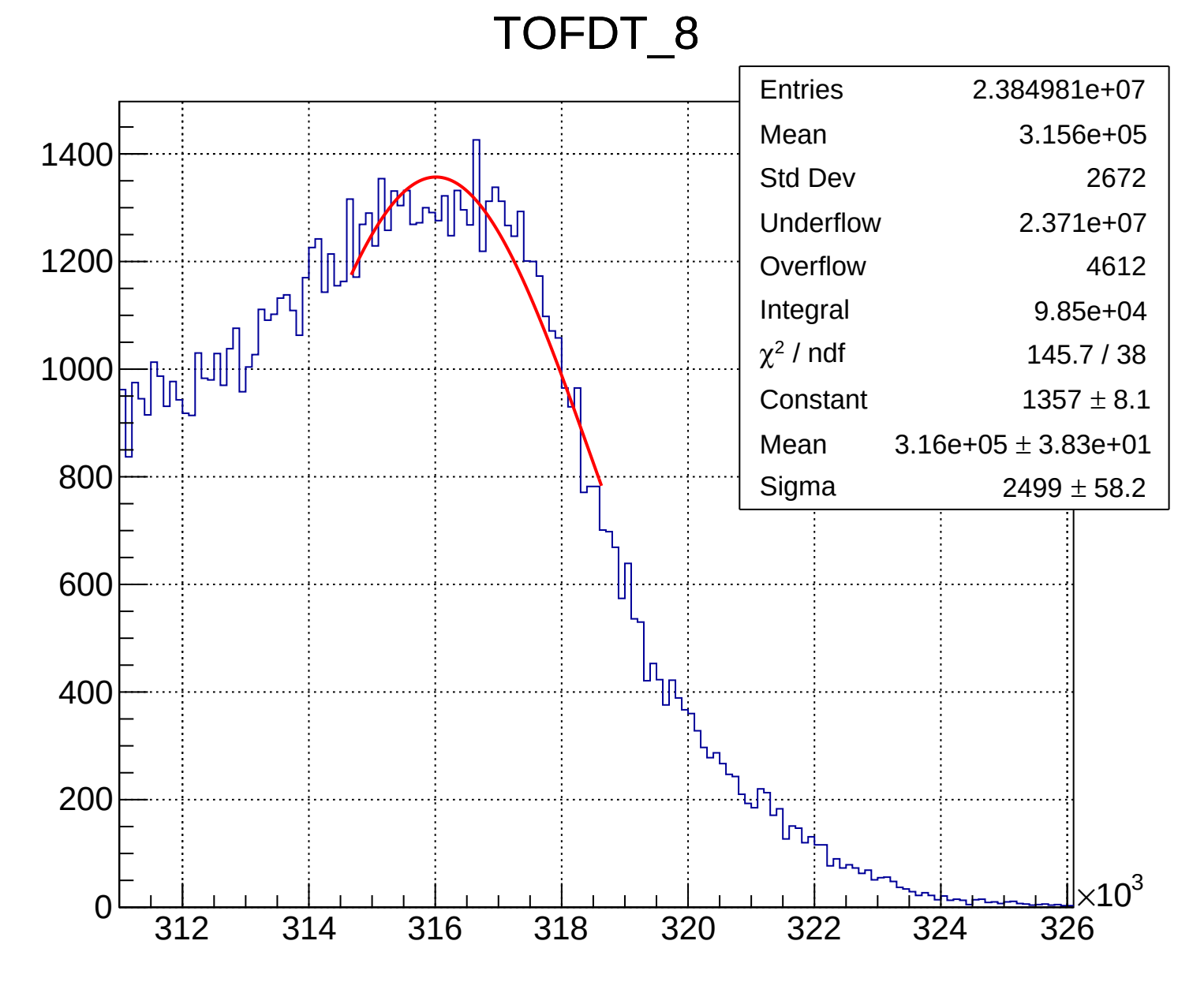

TOFDT_3
Entries 2.384981e+07
Mean 3.182e+05
Std Dev 2521
Underflow 2.376e+07
Overflow 2417
Integral 6.946e+04
χ² / ndf 285.8 / 38
Constant 1124 ± 8.2
Mean 3.186e+05 ± 1.950e+01
Sigma 1820 ± 28.6
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
328
×10³

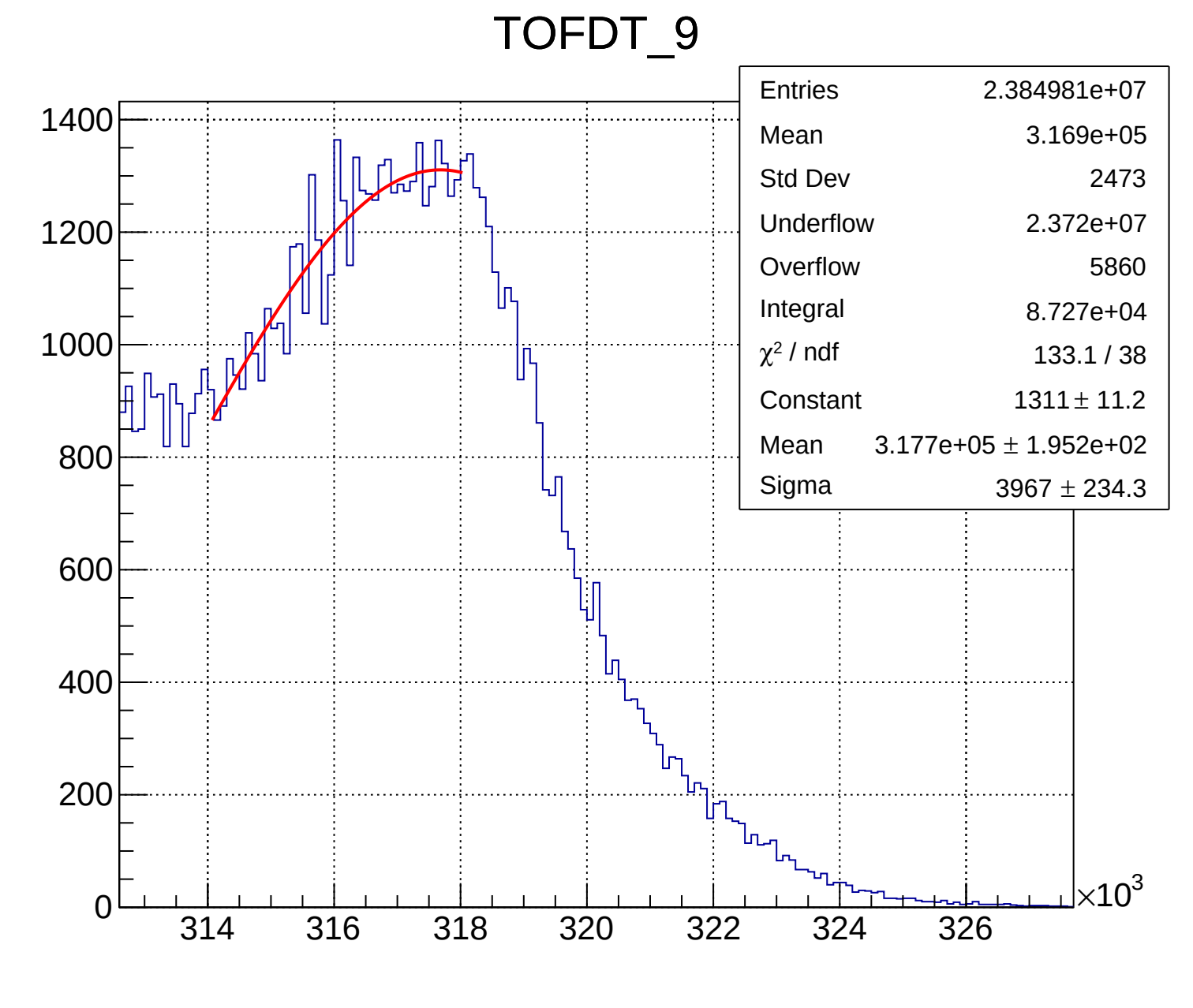

TOFDT_4
Entries 2.384981e+07
Mean 3.172e+05
Std Dev 2529
Underflow 2.372e+07
Overflow 2846
Integral 9.923e+04
χ² / ndf 420.7 / 38
Constant 1612 ± 9.9
Mean 3.175e+05 ± 1.437e+01
Sigma 1821 ± 23.2
1800
1600
1400
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
×10³

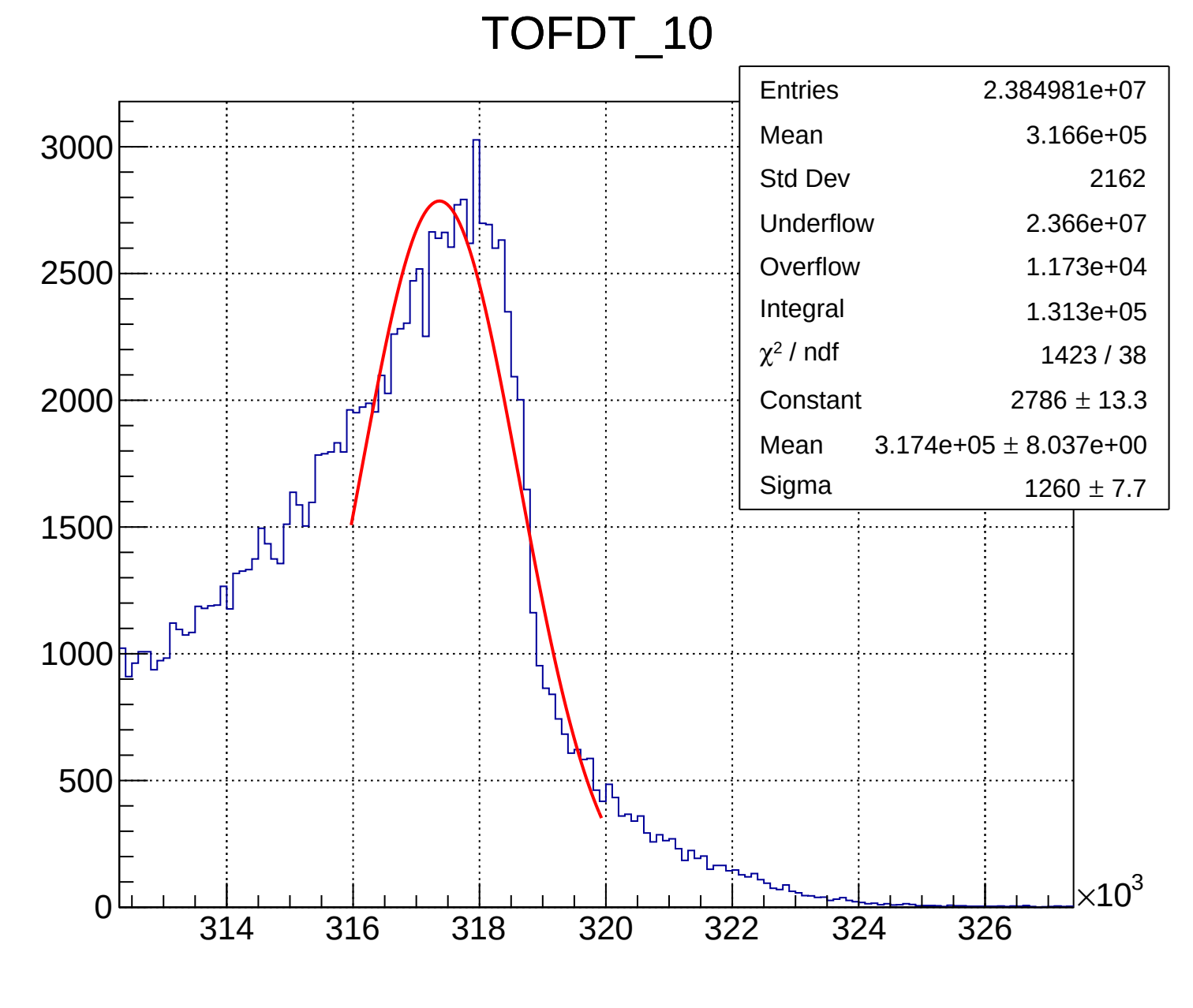

TOFDT_5
Entries 2.384981e+07
Mean 3.192e+05
Std Dev 2566
Underflow 2.369e+07
Overflow 3531
Integral 1.26e+05
χ² / ndf 433.5 / 38
Constant 2036 ± 11.0
Mean 3.196e+05 ± 1.453e+01
Sigma 1846 ± 21.9
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
316
318
320
322
324
326
328
×10³

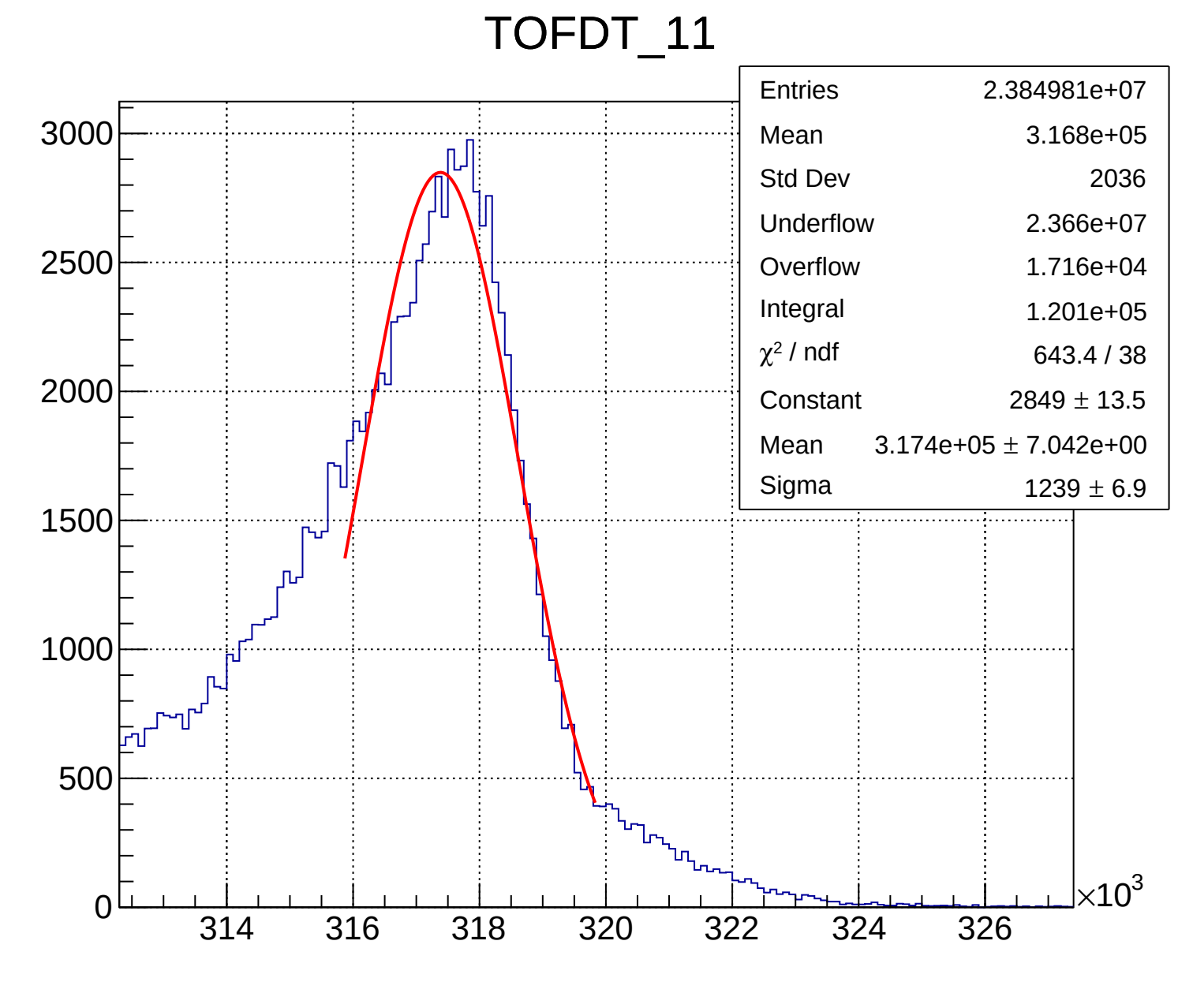

TOFDT_6
Entries 2.384981e+07
Mean 3.18e+05
Std Dev 2611
Underflow 2.368e+07
Overflow 4666
Integral 1.288e+05
χ² / ndf 190.2 / 38
Constant 1964 ± 10.5
Mean 3.183e+05 ± 1.745e+01
Sigma 1988 ± 26.5
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
328
×10³

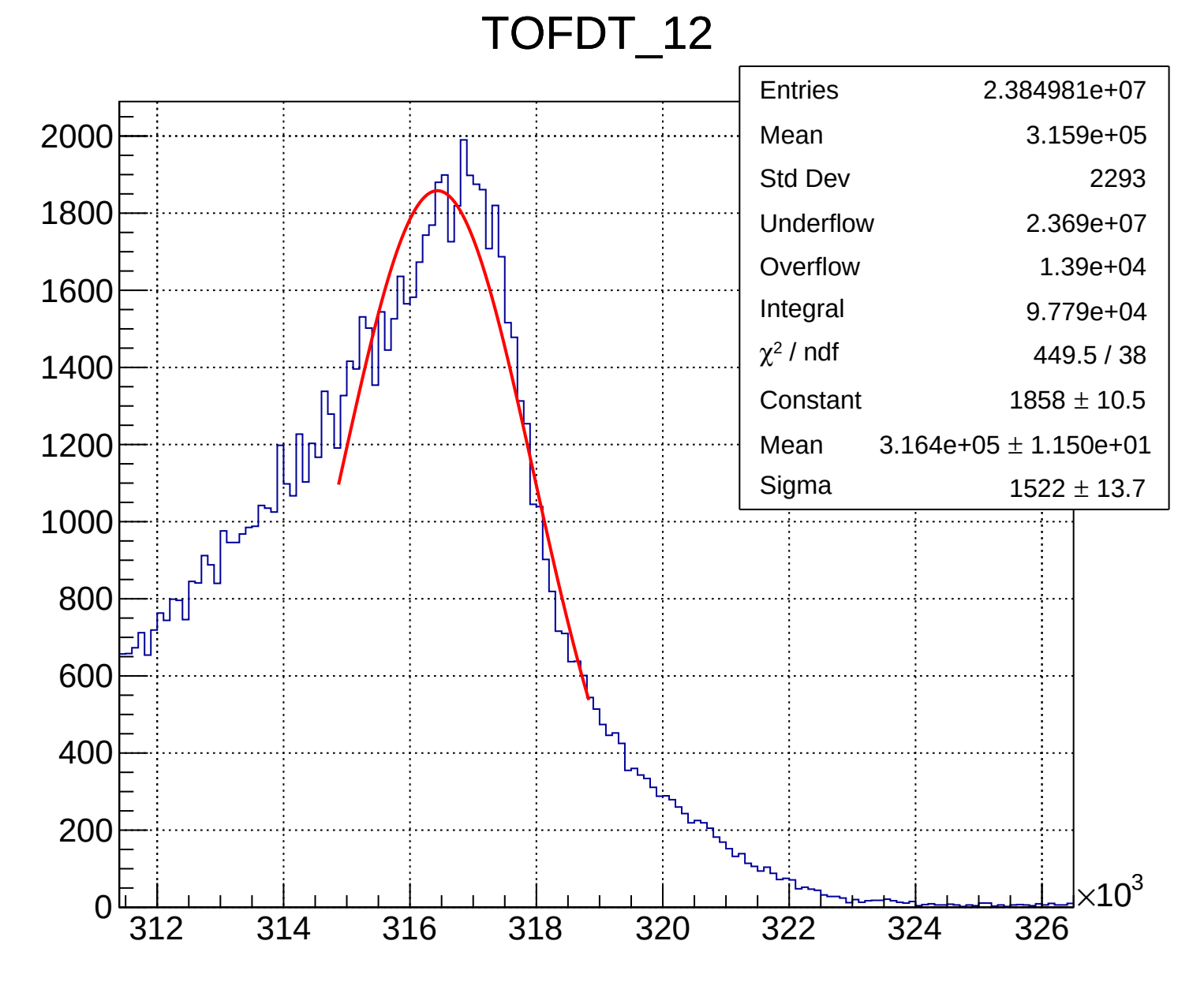

TOFDT_7
Entries 2.384981e+07
Mean 3.151e+05
Std Dev 2703
Underflow 2.374e+07
Overflow 4108
Integral 8.052e+04
χ² / ndf 195.1 / 38
Constant 1117 ± 7.6
Mean 3.155e+05 ± 3.527e+01
Sigma 2445 ± 60.1
1000
800
600
400
200
0
312
314
316
318
320
322
324
×10³

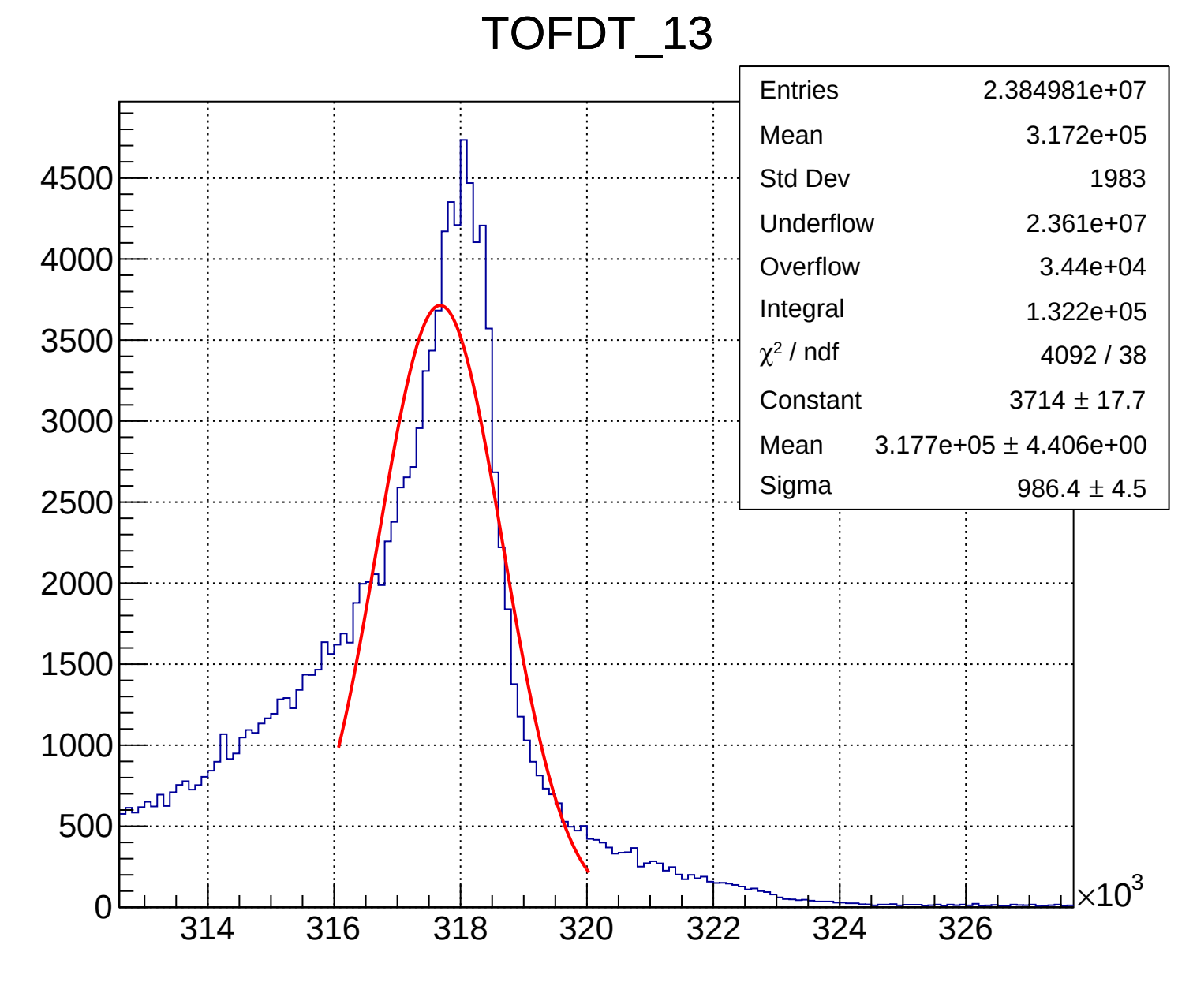

TOFDT_8
Entries 2.384981e+07
Mean 3.156e+05
Std Dev 2672
Underflow 2.371e+07
Overflow 4612
Integral 9.85e+04
χ² / ndf 145.7 / 38
Constant 1357 ± 8.1
Mean 3.16e+05 ± 3.83e+01
Sigma 2499 ± 58.2
1400
1200
1000
800
600
400
200
0
312
314
316
318
320
322
324
326
×10³

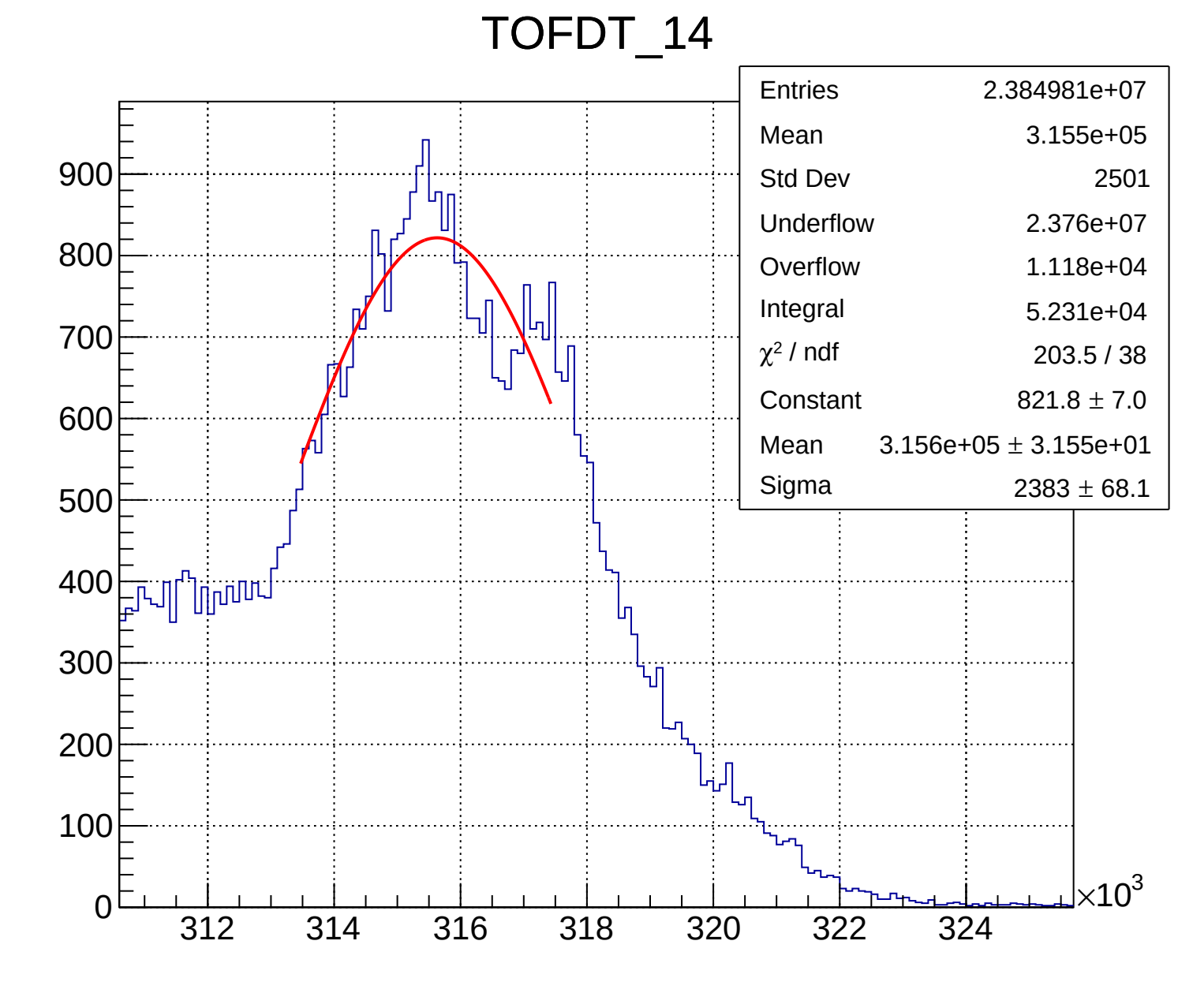

TOFDT_9
Entries 2.384981e+07
Mean 3.169e+05
Std Dev 2473
Underflow 2.372e+07
Overflow 5860
Integral 8.727e+04
χ² / ndf 133.1 / 38
Constant 1311 ± 11.2
Mean 3.177e+05 ± 1.952e+02
Sigma 3967 ± 234.3
1400
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
×10³

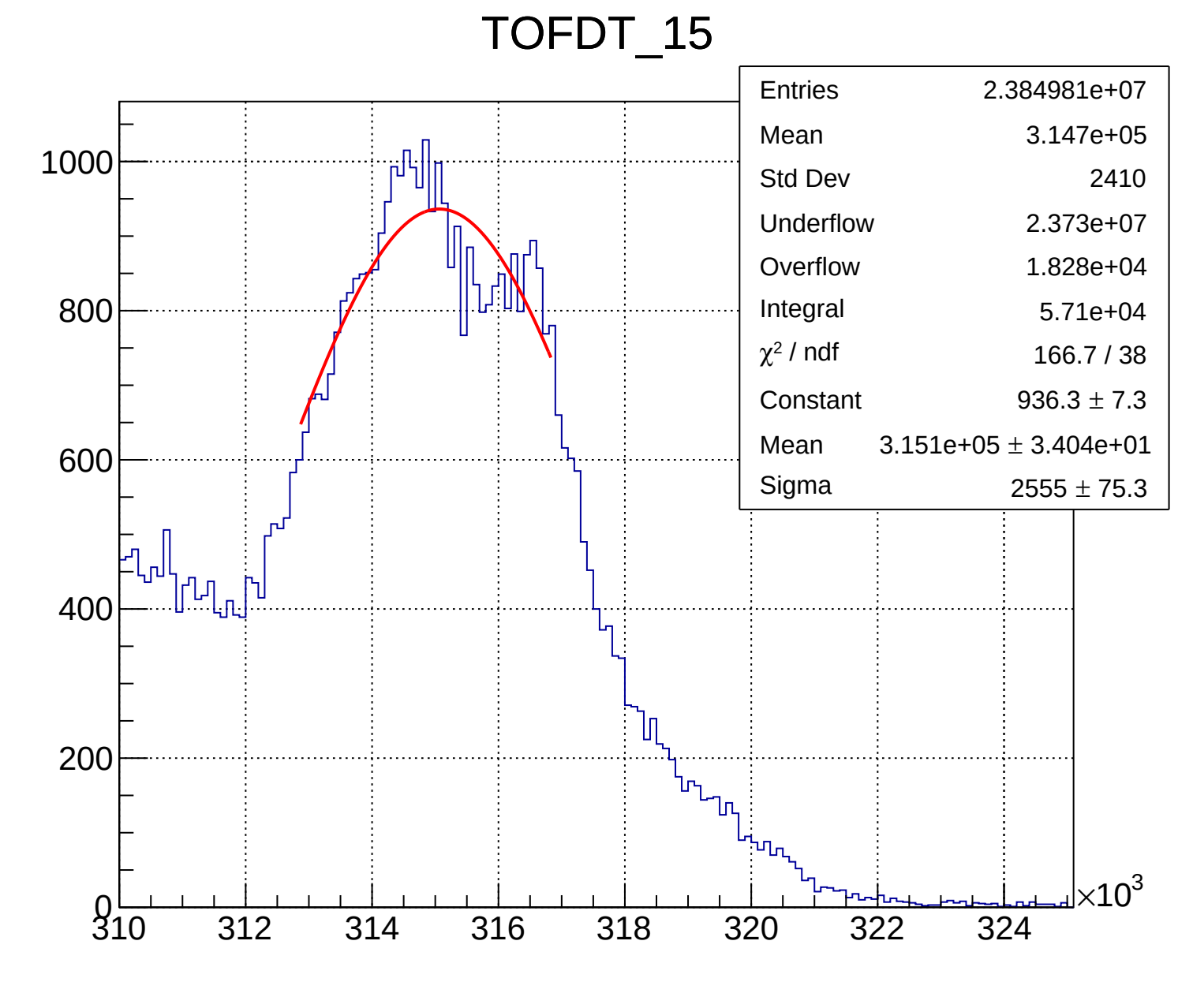

TOFDT_10
Entries 2.384981e+07
Mean 3.166e+05
Std Dev 2162
Underflow 2.366e+07
Overflow 1.173e+04
Integral 1.313e+05
χ² / ndf 1423 / 38
Constant 2786 ± 13.3
Mean 3.174e+05 ± 8.037e+00
Sigma 1260 ± 7.7
3000
2500
2000
1500
1000
500
0
314
316
318
320
322
324
326
×10³

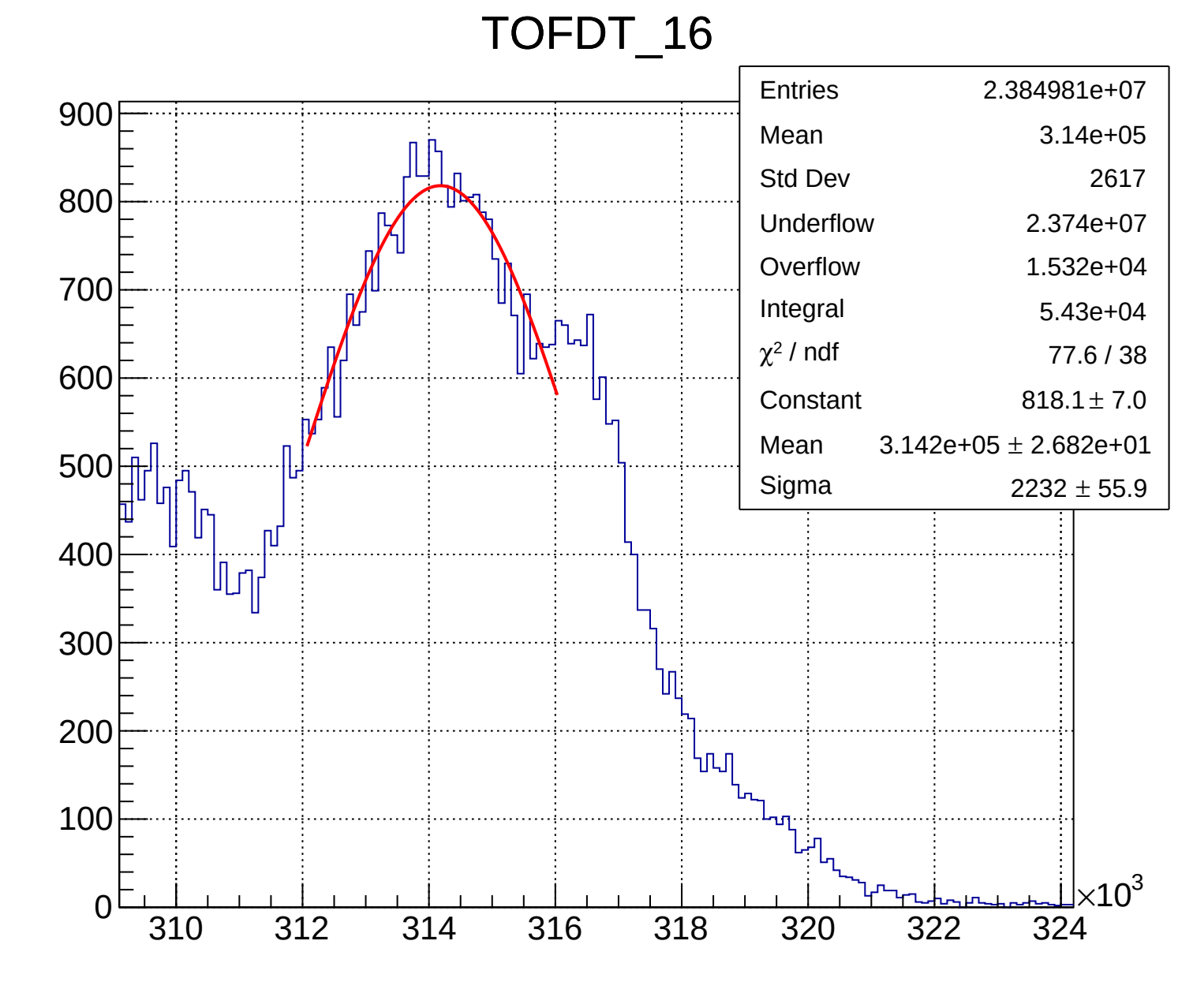

TOFDT_11
Entries 2.384981e+07
Mean 3.168e+05
Std Dev 2036
Underflow 2.366e+07
Overflow 1.716e+04
Integral 1.201e+05
χ² / ndf 643.4 / 38
Constant 2849 ± 13.5
Mean 3.174e+05 ± 7.042e+00
Sigma 1239 ± 6.9
3000
2500
2000
1500
1000
500
0
314
316
318
320
322
324
326
×10³

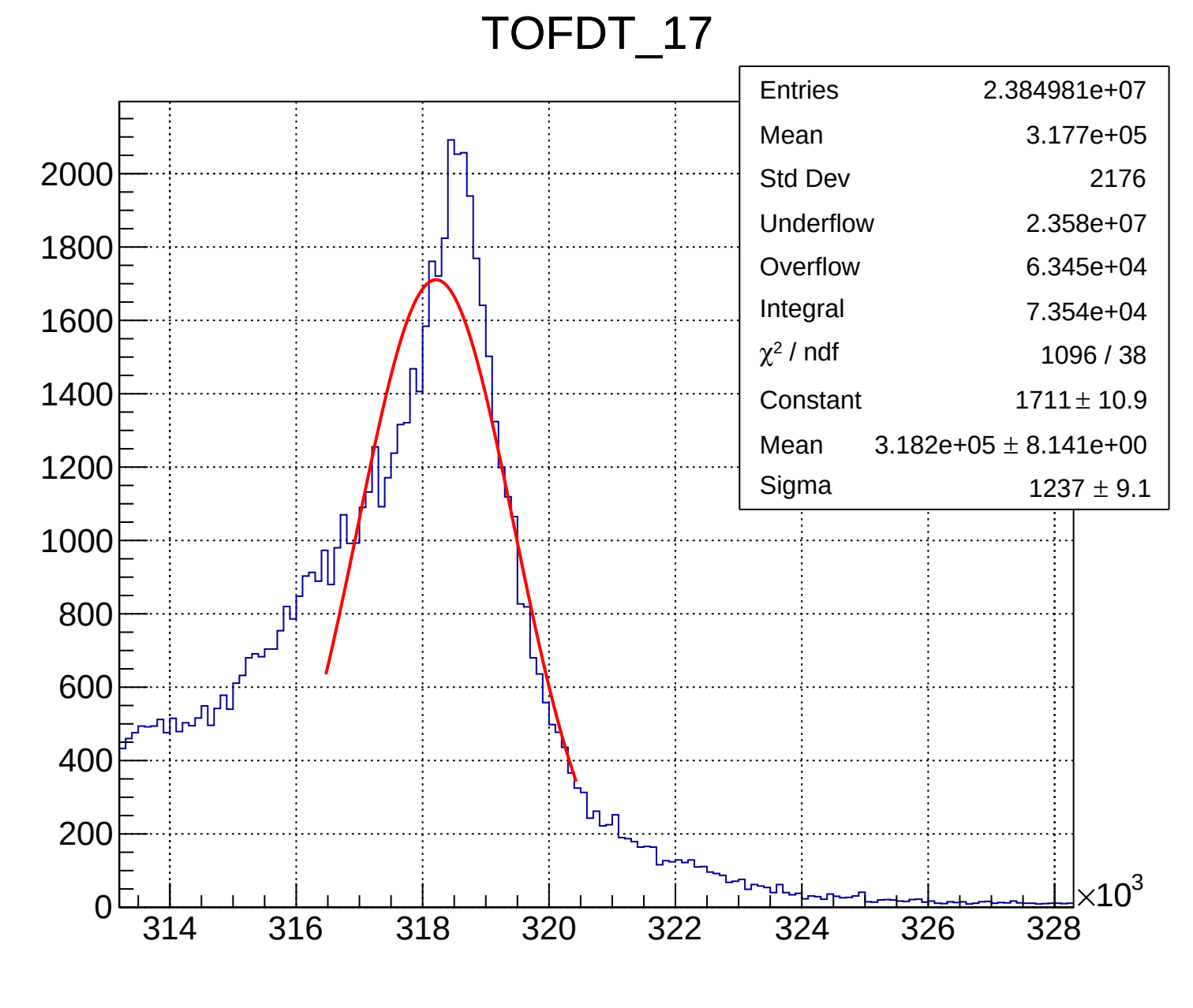

TOFDT_12
Entries 2.384981e+07
Mean 3.159e+05
Std Dev 2293
Underflow 2.369e+07
Overflow 1.39e+04
Integral 9.779e+04
χ² / ndf 449.5 / 38
Constant 1858 ± 10.5
Mean 3.164e+05 ± 1.150e+01
Sigma 1522 ± 13.7
2000
1800
1600
1400
1200
1000
800
600
400
200
0
312
314
316
318
320
322
324
326
×10³

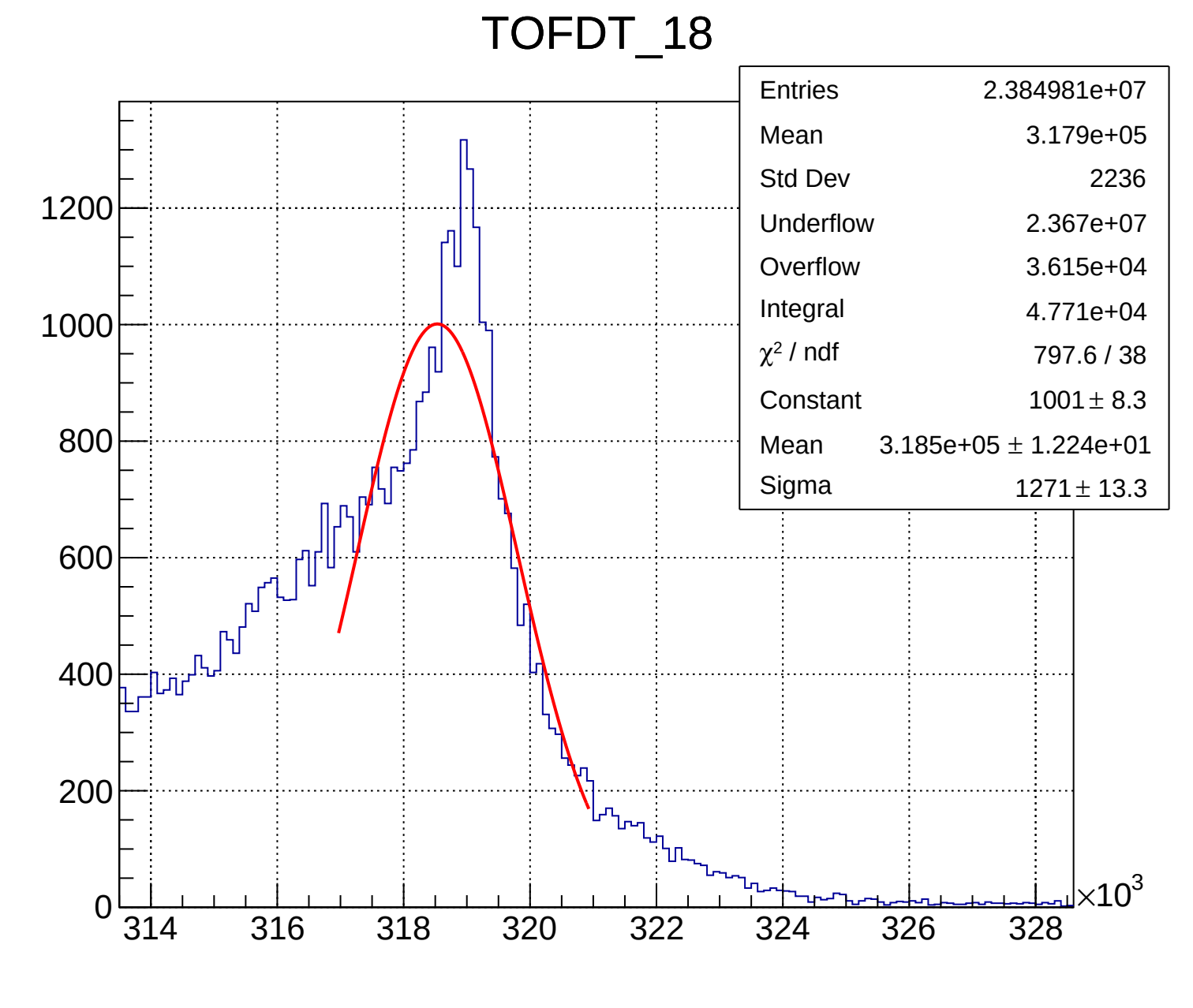

TOFDT_13
Entries 2.384981e+07
Mean 3.172e+05
Std Dev 1983
Underflow 2.361e+07
Overflow 3.44e+04
Integral 1.322e+05
χ² / ndf 4092 / 38
Constant 3714 ± 17.7
Mean 3.177e+05 ± 4.406e+00
Sigma 986.4 ± 4.5
4500
4000
3500
3000
2500
2000
1500
1000
500
0
314
316
318
320
322
324
326
×10³

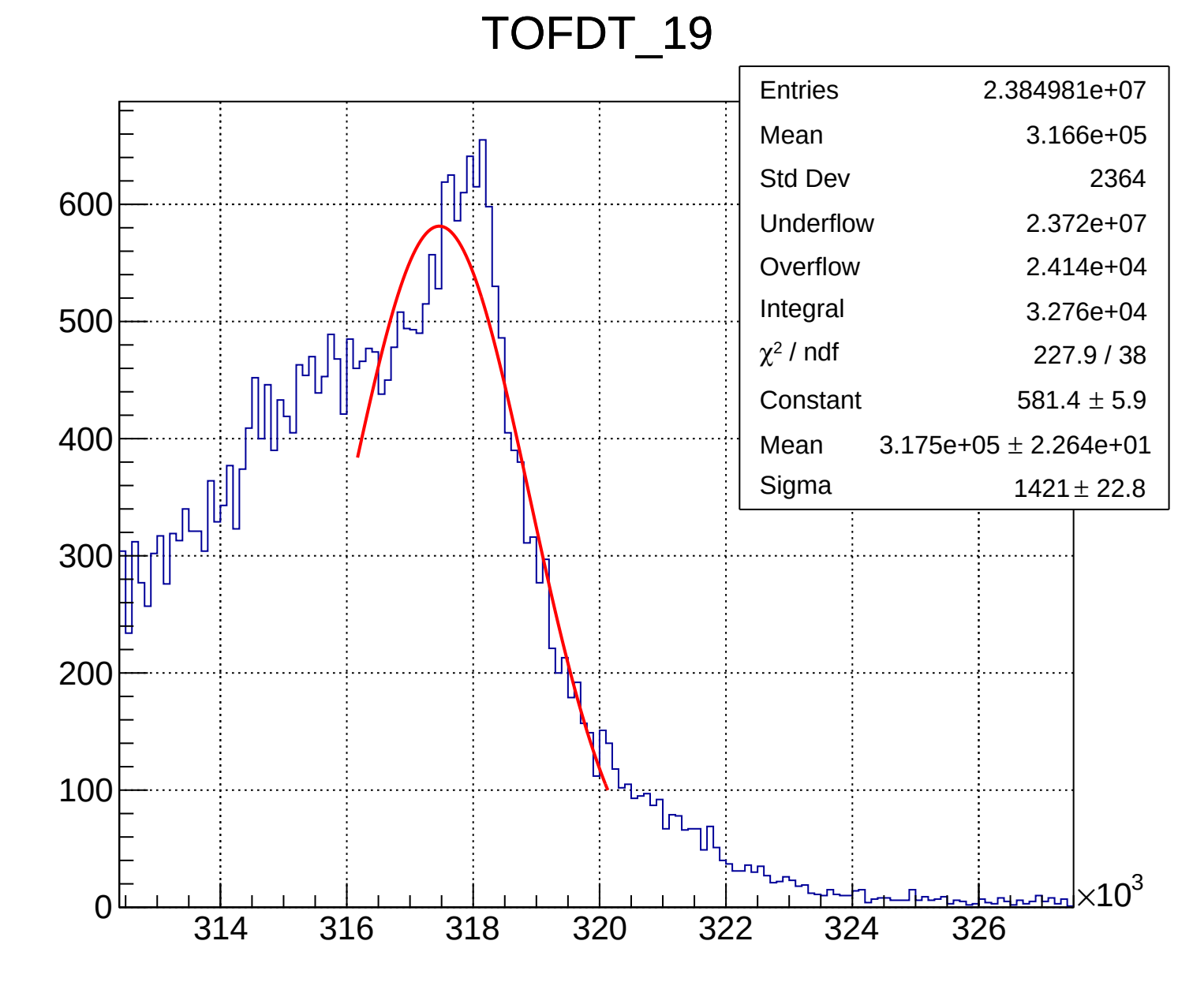

TOFDT_14
Entries 2.384981e+07
Mean 3.155e+05
Std Dev 2501
Underflow 2.376e+07
Overflow 1.118e+04
Integral 5.231e+04
χ² / ndf 203.5 / 38
Constant 821.8 ± 7.0
Mean 3.156e+05 ± 3.155e+01
Sigma 2383 ± 68.1
900
800
700
600
500
400
300
200
100
0
312
314
316
318
320
322
324
×10³

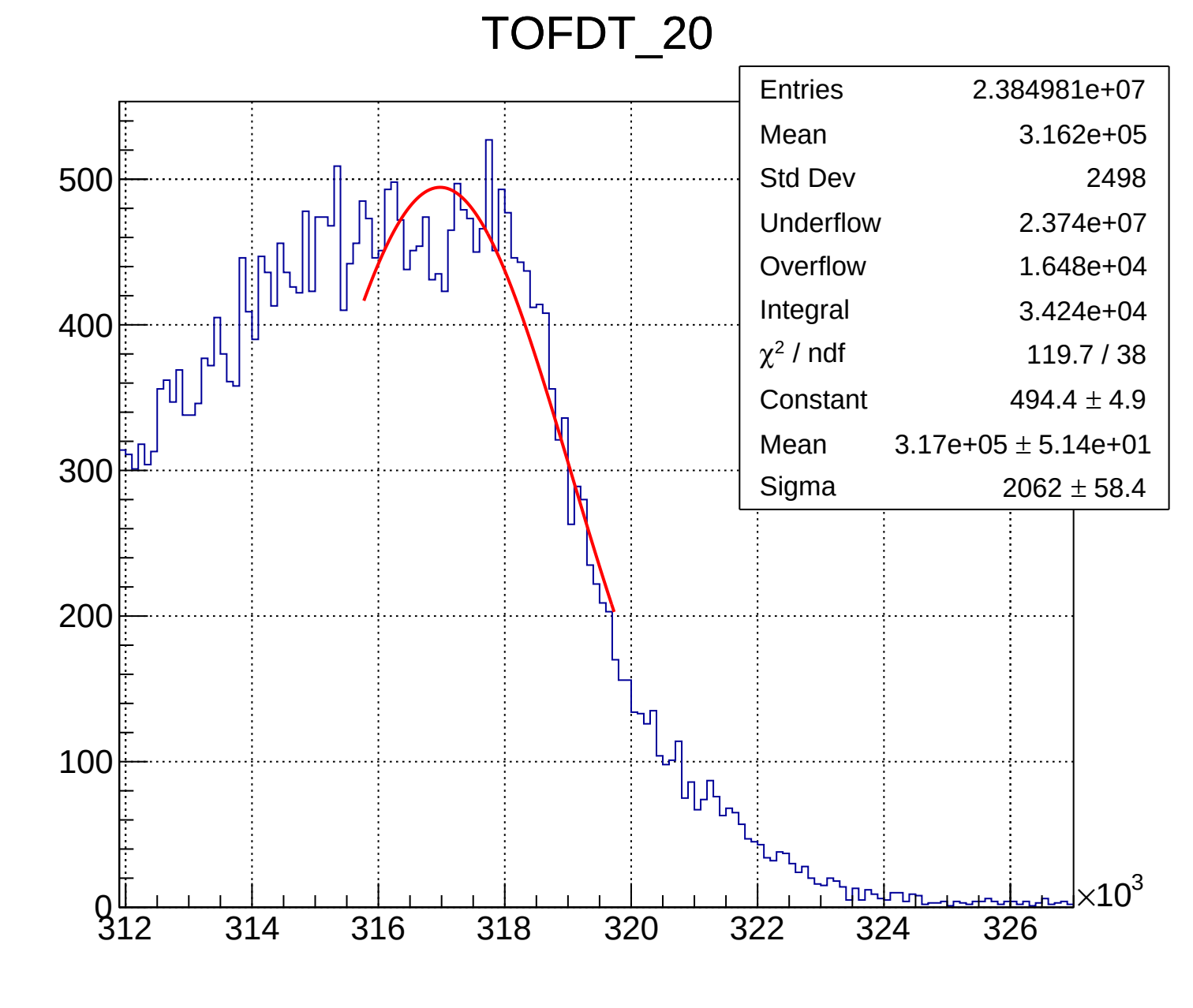

TOFDT_15
Entries 2.384981e+07
Mean 3.147e+05
Std Dev 2410
Underflow 2.373e+07
Overflow 1.828e+04
Integral 5.71e+04
χ² / ndf 166.7 / 38
Constant 936.3 ± 7.3
Mean 3.151e+05 ± 3.404e+01
Sigma 2555 ± 75.3
1000
800
600
400
200
0
310
312
314
316
318
320
322
324
×10³

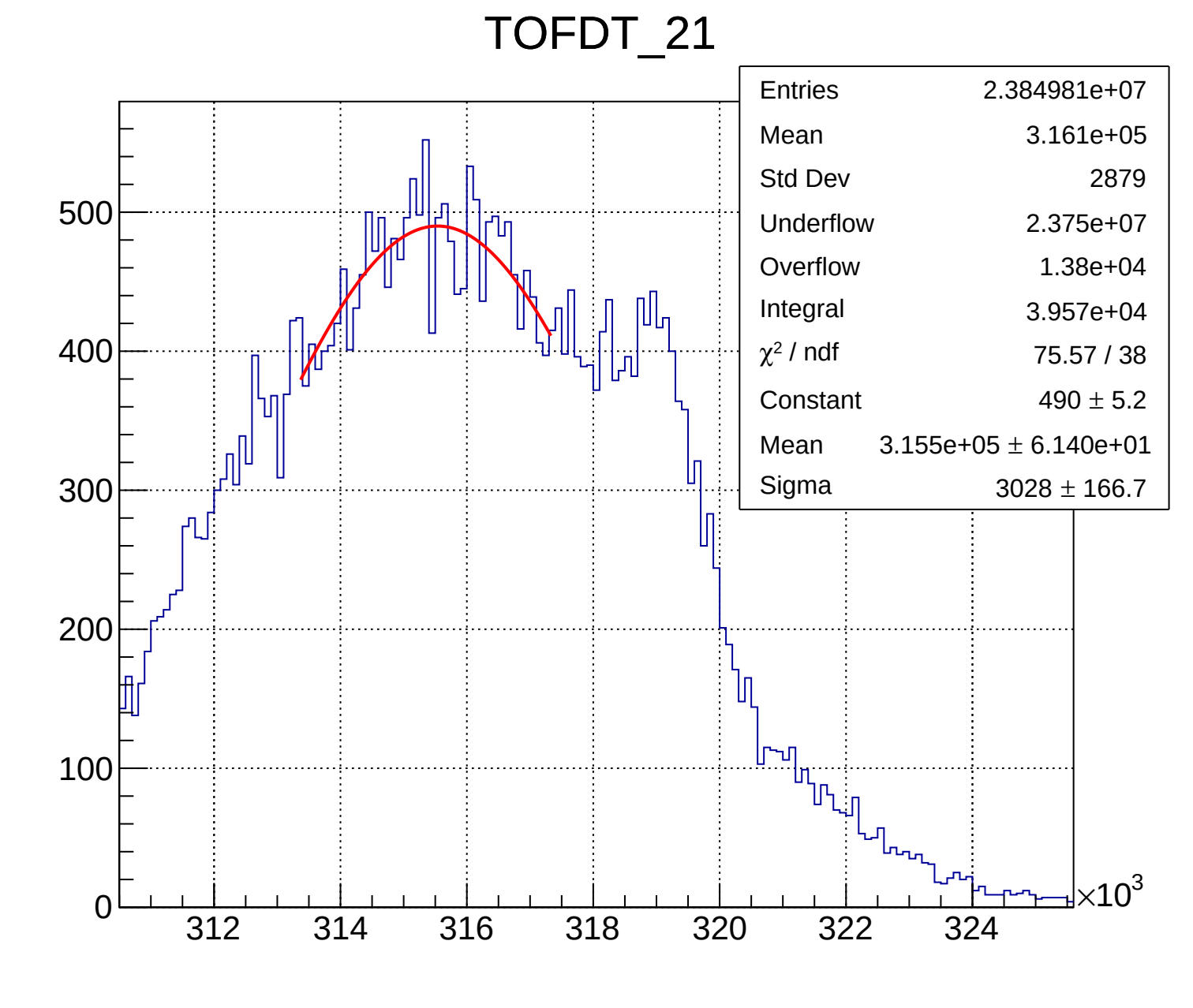

TOFDT_16
Entries 2.384981e+07
Mean 3.14e+05
Std Dev 2617
Underflow 2.374e+07
Overflow 1.532e+04
Integral 5.43e+04
χ² / ndf 77.6 / 38
Constant 818.1 ± 7.0
Mean 3.142e+05 ± 2.682e+01
Sigma 2232 ± 55.9
900
800
700
600
500
400
300
200
100
0
310
312
314
316
318
320
322
324
×10³

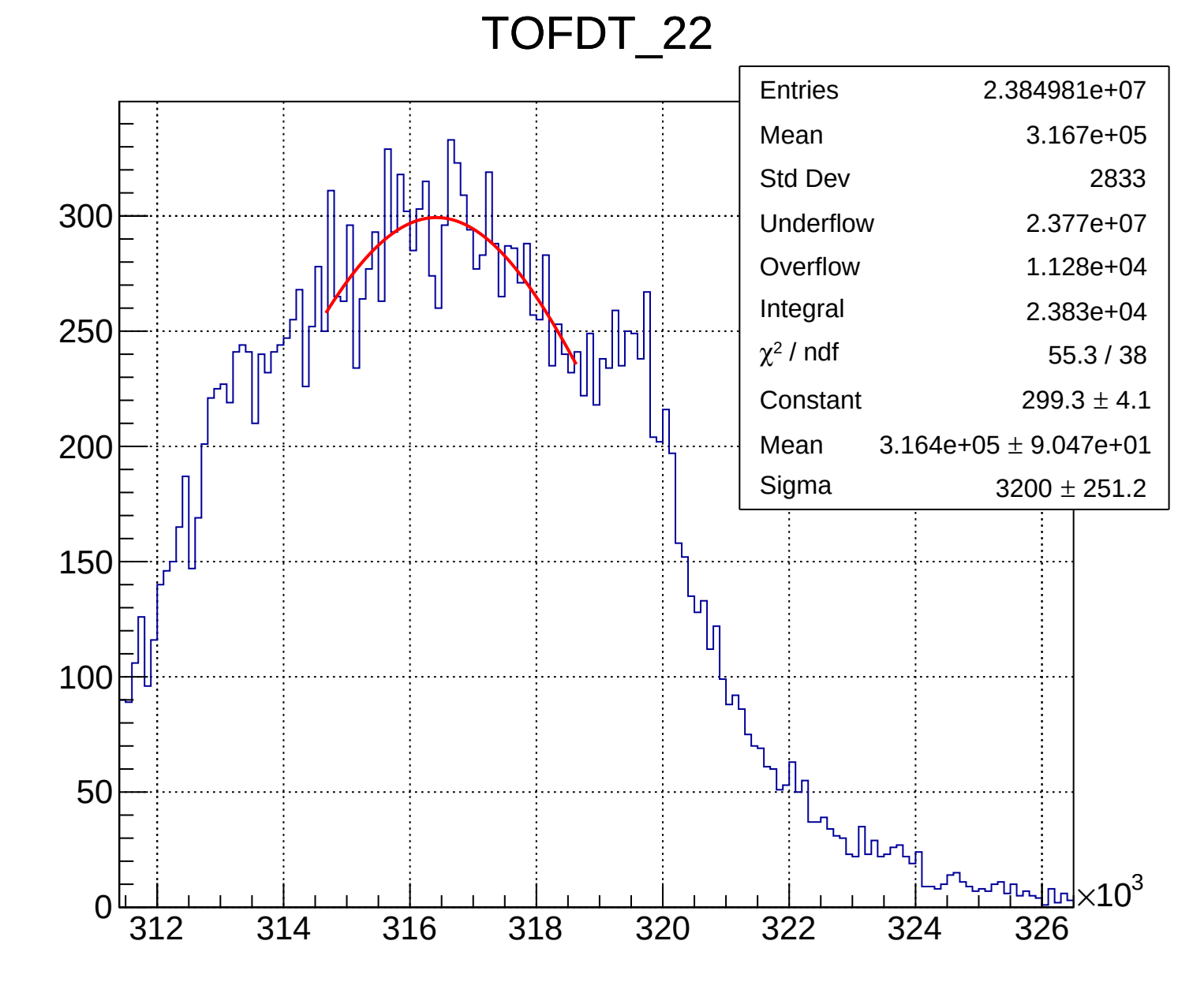

TOFDT_17
Entries 2.384981e+07
Mean 3.177e+05
Std Dev 2176
Underflow 2.358e+07
Overflow 6.345e+04
Integral 7.354e+04
χ² / ndf 1096 / 38
Constant 1711 ± 10.9
Mean 3.182e+05 ± 8.141e+00
Sigma 1237 ± 9.1
2000
1800
1600
1400
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
328
×10³

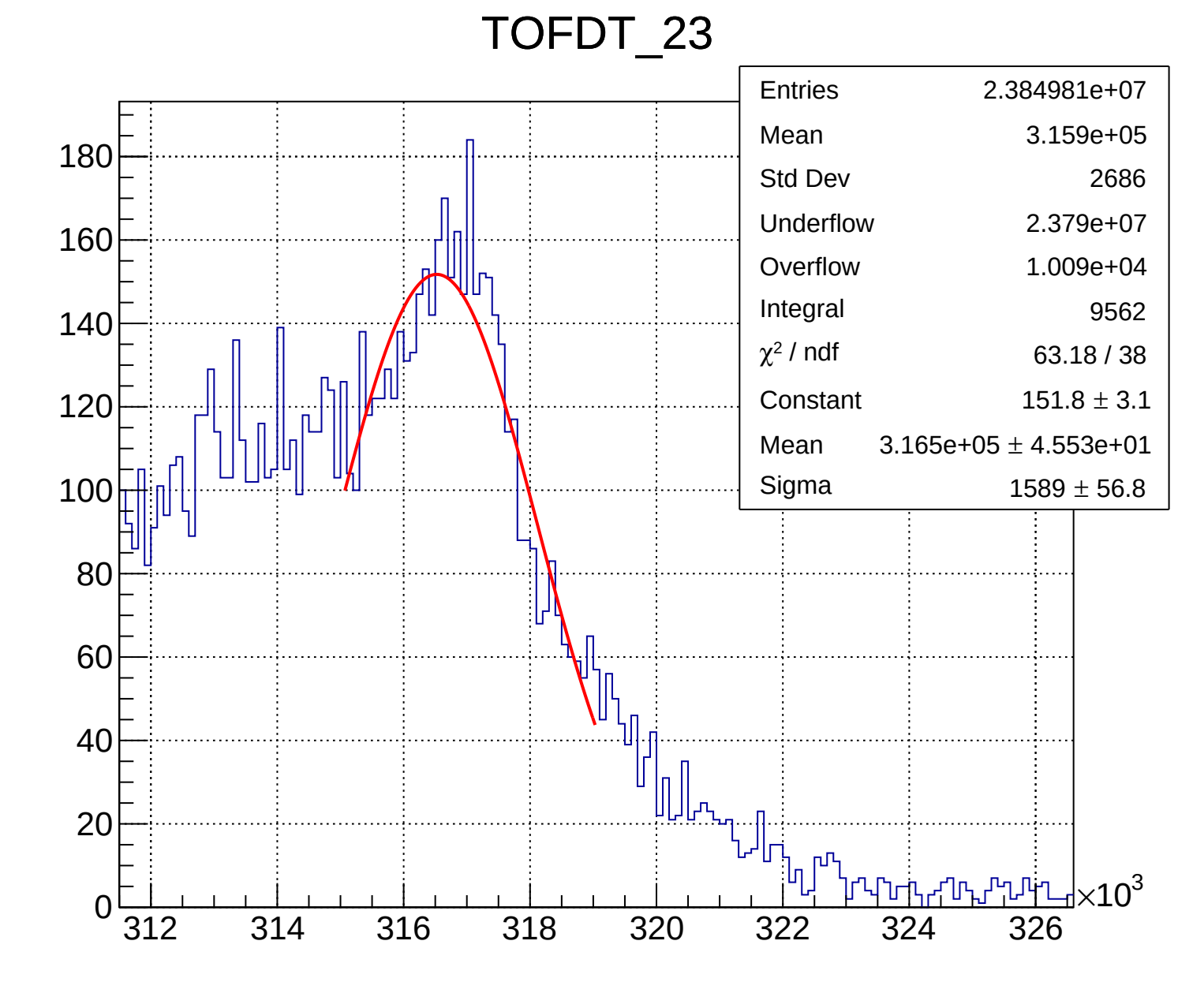

TOFDT_18
Entries 2.384981e+07
Mean 3.179e+05
Std Dev 2236
Underflow 2.367e+07
Overflow 3.615e+04
Integral 4.771e+04
χ² / ndf 797.6 / 38
Constant 1001 ± 8.3
Mean 3.185e+05 ± 1.224e+01
Sigma 1271 ± 13.3
1200
1000
800
600
400
200
0
314
316
318
320
322
324
326
328
×10³

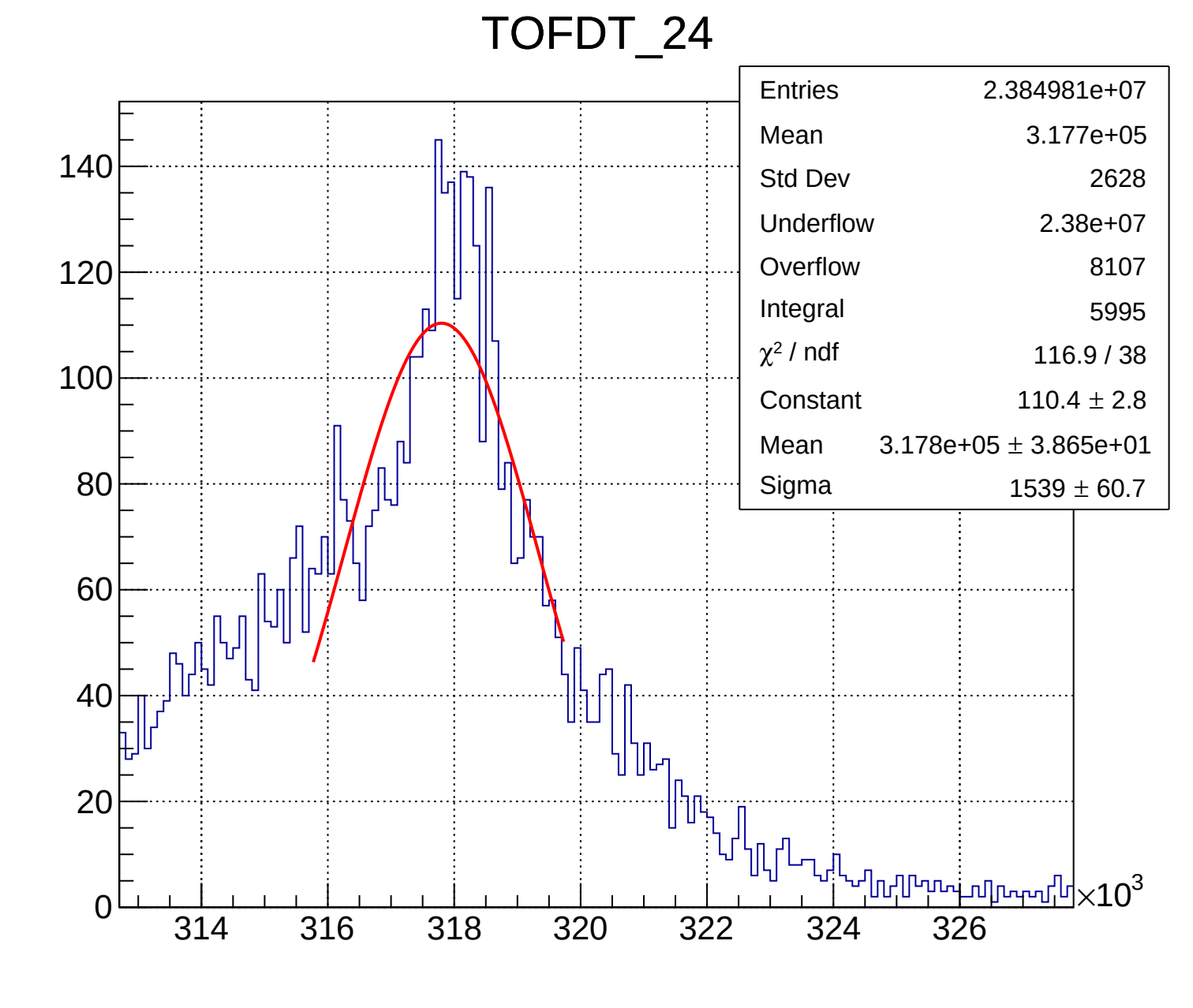

TOFDT_19
Entries 2.384981e+07
Mean 3.166e+05
Std Dev 2364
Underflow 2.372e+07
Overflow 2.414e+04
Integral 3.276e+04
χ² / ndf 227.9 / 38
Constant 581.4 ± 5.9
Mean 3.175e+05 ± 2.264e+01
Sigma 1421 ± 22.8
600
500
400
300
200
100
0
314
316
318
320
322
324
326
×10³

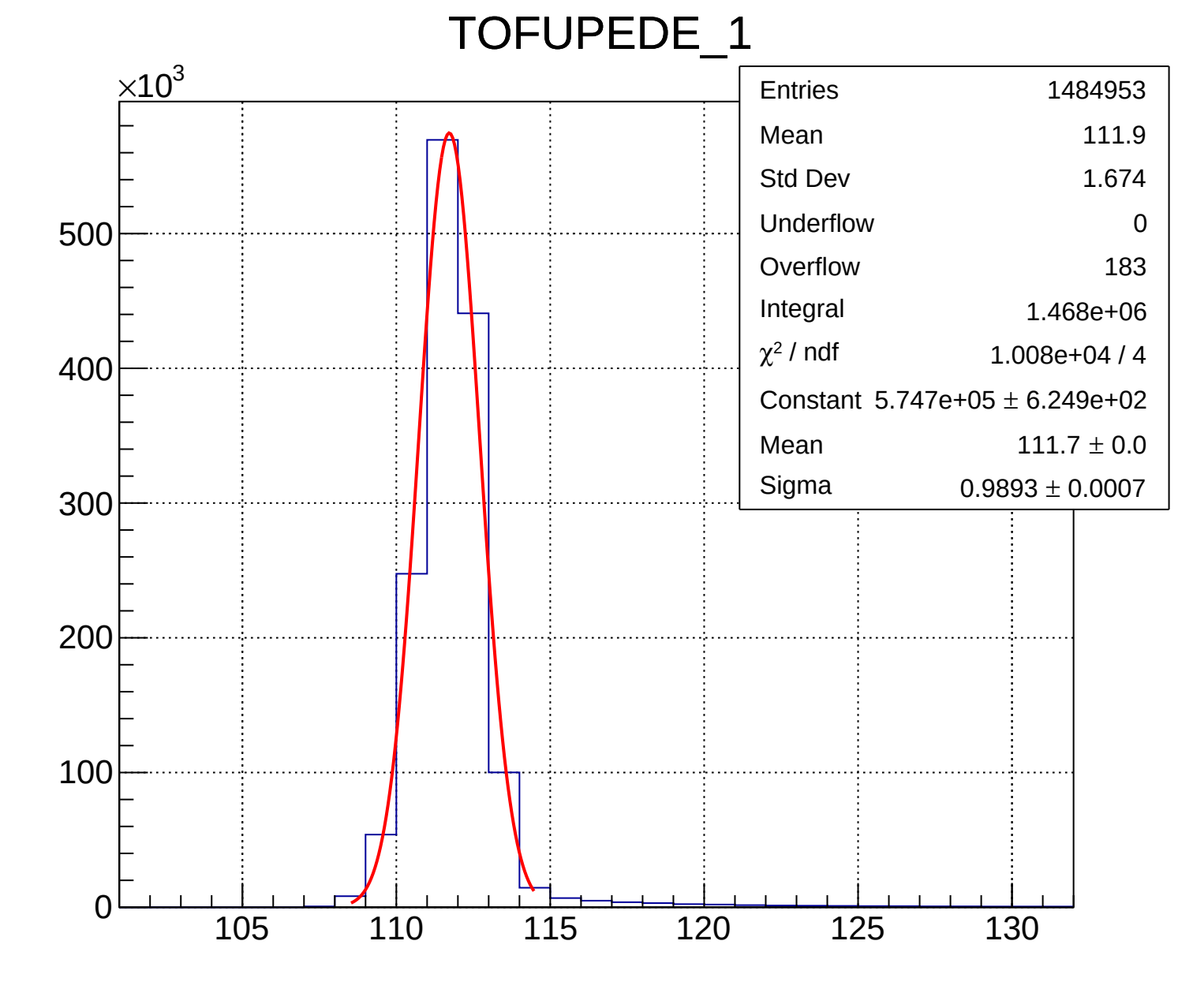

TOFDT_20
Entries 2.384981e+07
Mean 3.162e+05
Std Dev 2498
Underflow 2.374e+07
Overflow 1.648e+04
Integral 3.424e+04
χ² / ndf 119.7 / 38
Constant 494.4 ± 4.9
Mean 3.17e+05 ± 5.14e+01
Sigma 2062 ± 58.4
500
400
300
200
100
0
312
314
316
318
320
322
324
326
×10³

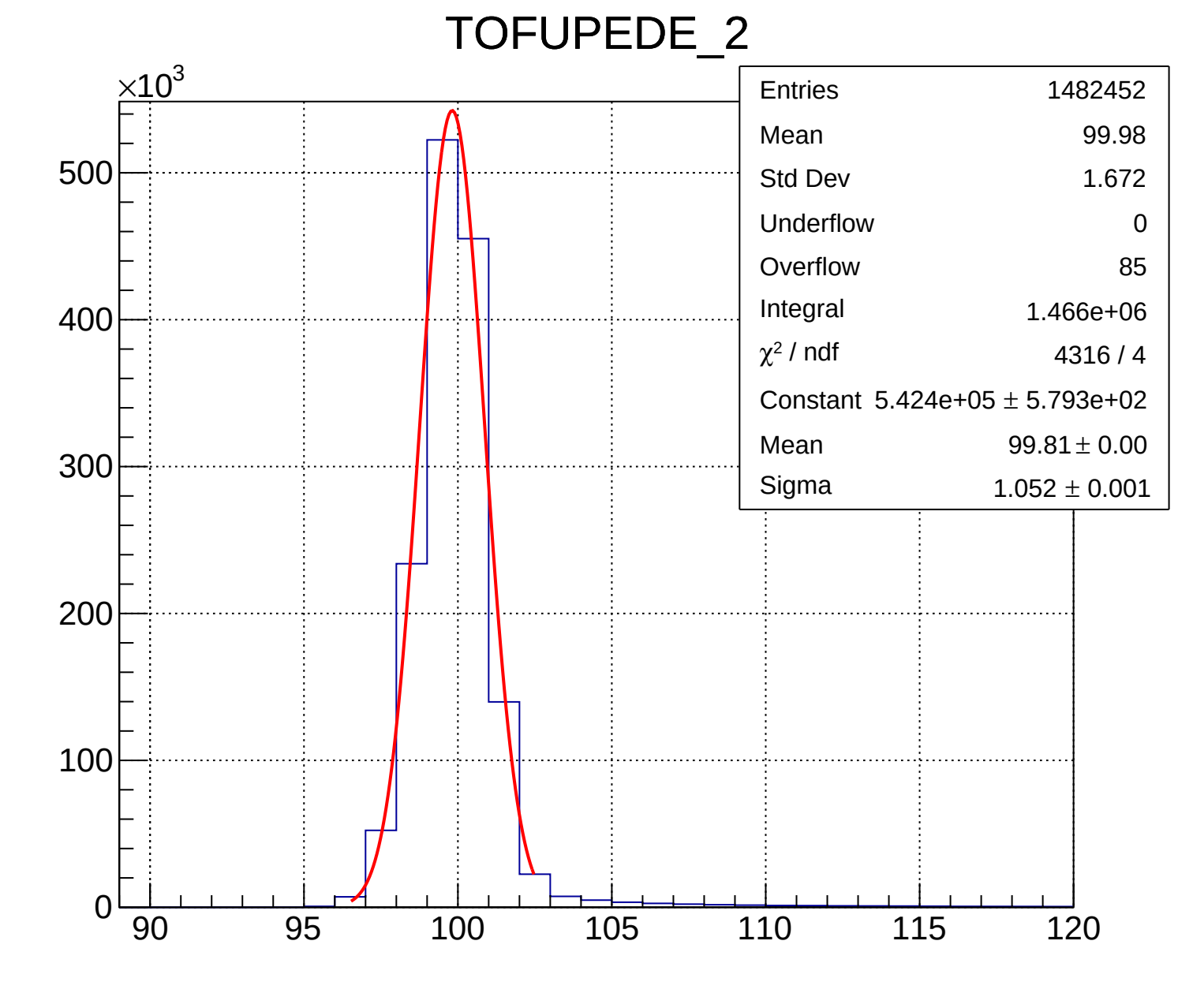

TOFDT_21
Entries 2.384981e+07
Mean 3.161e+05
Std Dev 2879
Underflow 2.375e+07
Overflow 1.38e+04
Integral 3.957e+04
χ² / ndf 75.57 / 38
Constant 490 ± 5.2
Mean 3.155e+05 ± 6.140e+01
Sigma 3028 ± 166.7
500
400
300
200
100
0
312
314
316
318
320
322
324
×10³

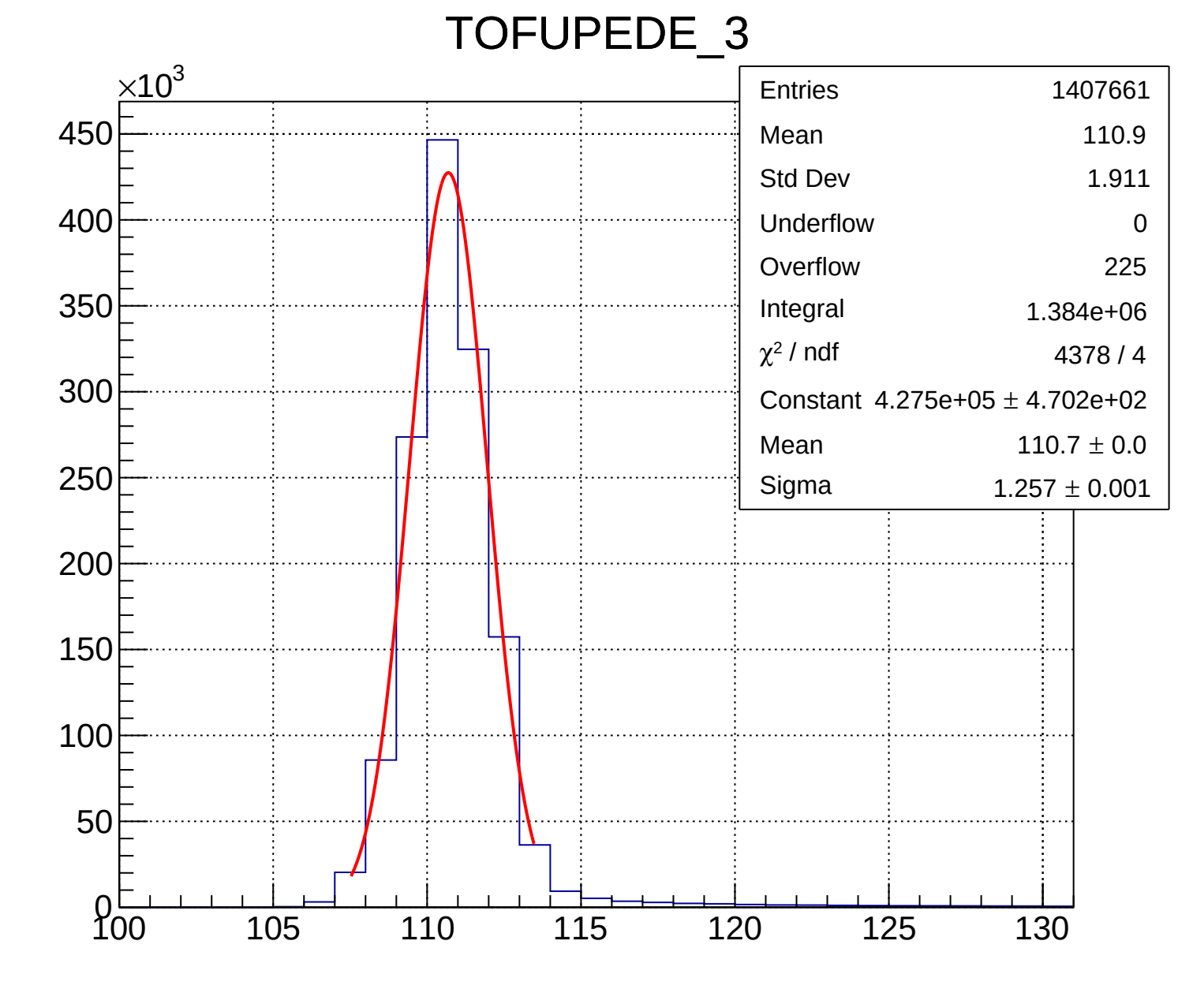

TOFDT_22
Entries 2.384981e+07
Mean 3.167e+05
Std Dev 2833
Underflow 2.377e+07
Overflow 1.128e+04
Integral 2.383e+04
χ² / ndf 55.3 / 38
Constant 299.3 ± 4.1
Mean 3.164e+05 ± 9.047e+01
Sigma 3200 ± 251.2
300
250
200
150
100
50
0
312
314
316
318
320
322
324
326
×10³

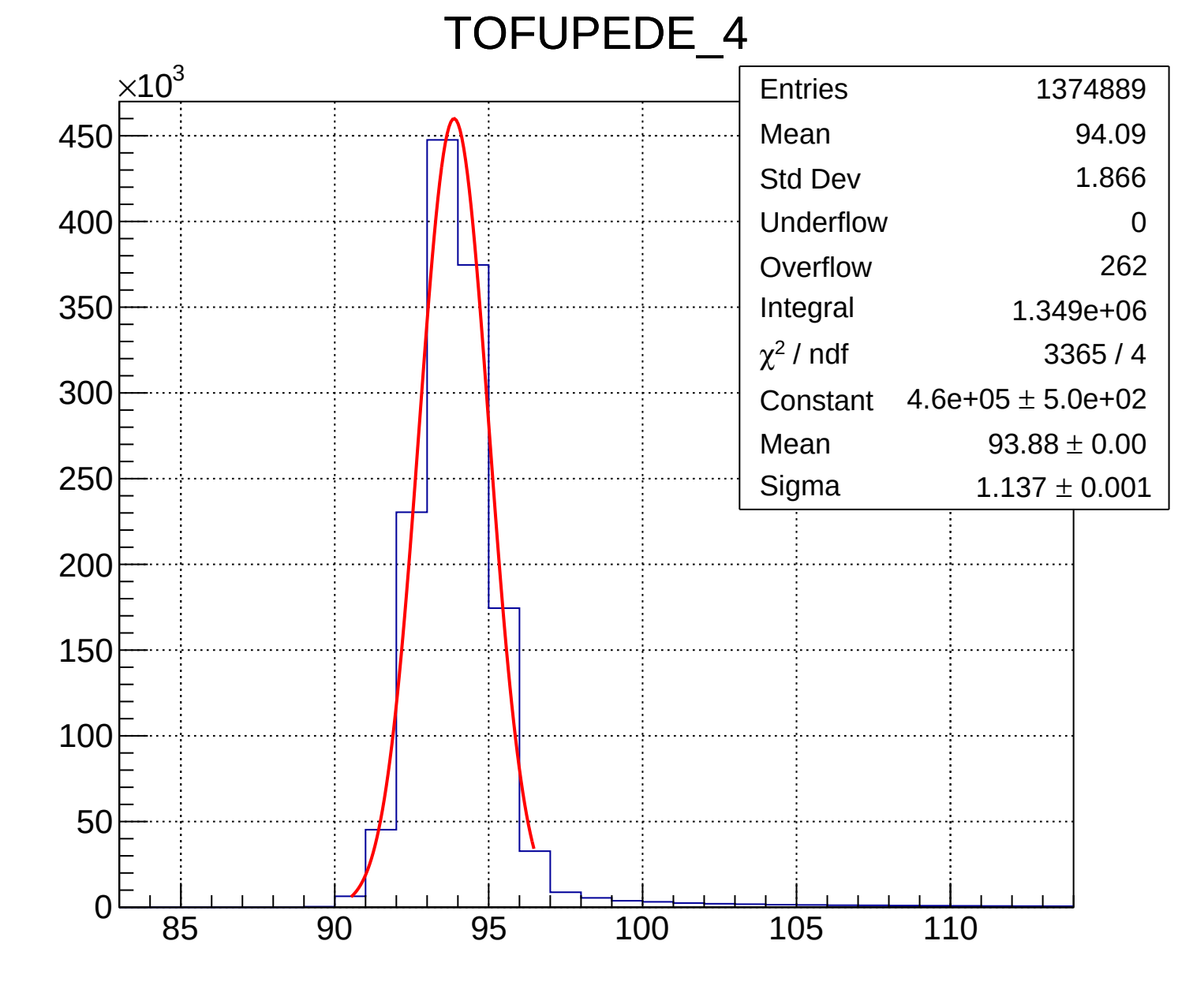

TOFDT_23
Entries 2.384981e+07
Mean 3.159e+05
Std Dev 2686
Underflow 2.379e+07
Overflow 1.009e+04
Integral 9562
χ² / ndf 63.18 / 38
Constant 151.8 ± 3.1
Mean 3.165e+05 ± 4.553e+01
Sigma 1589 ± 56.8
180
160
140
120
100
80
60
40
20
0
312
314
316
318
320
322
324
326
×10³

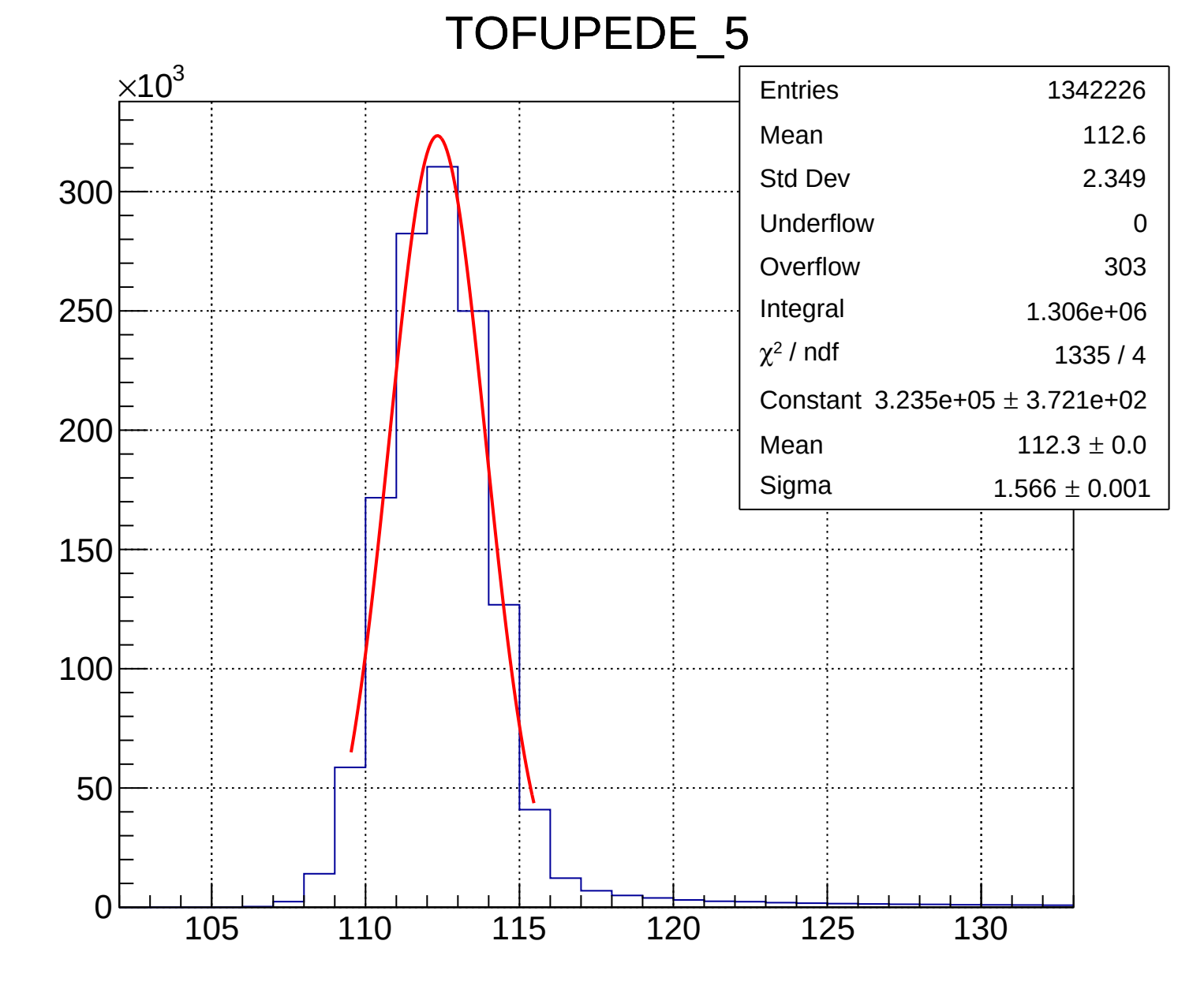

TOFDT_24
Entries 2.384981e+07
Mean 3.177e+05
Std Dev 2628
Underflow 2.38e+07
Overflow 8107
Integral 5995
χ² / ndf 116.9 / 38
Constant 110.4 ± 2.8
Mean 3.178e+05 ± 3.865e+01
Sigma 1539 ± 60.7
140
120
100
80
60
40
20
0
314
316
318
320
322
324
326
×10³

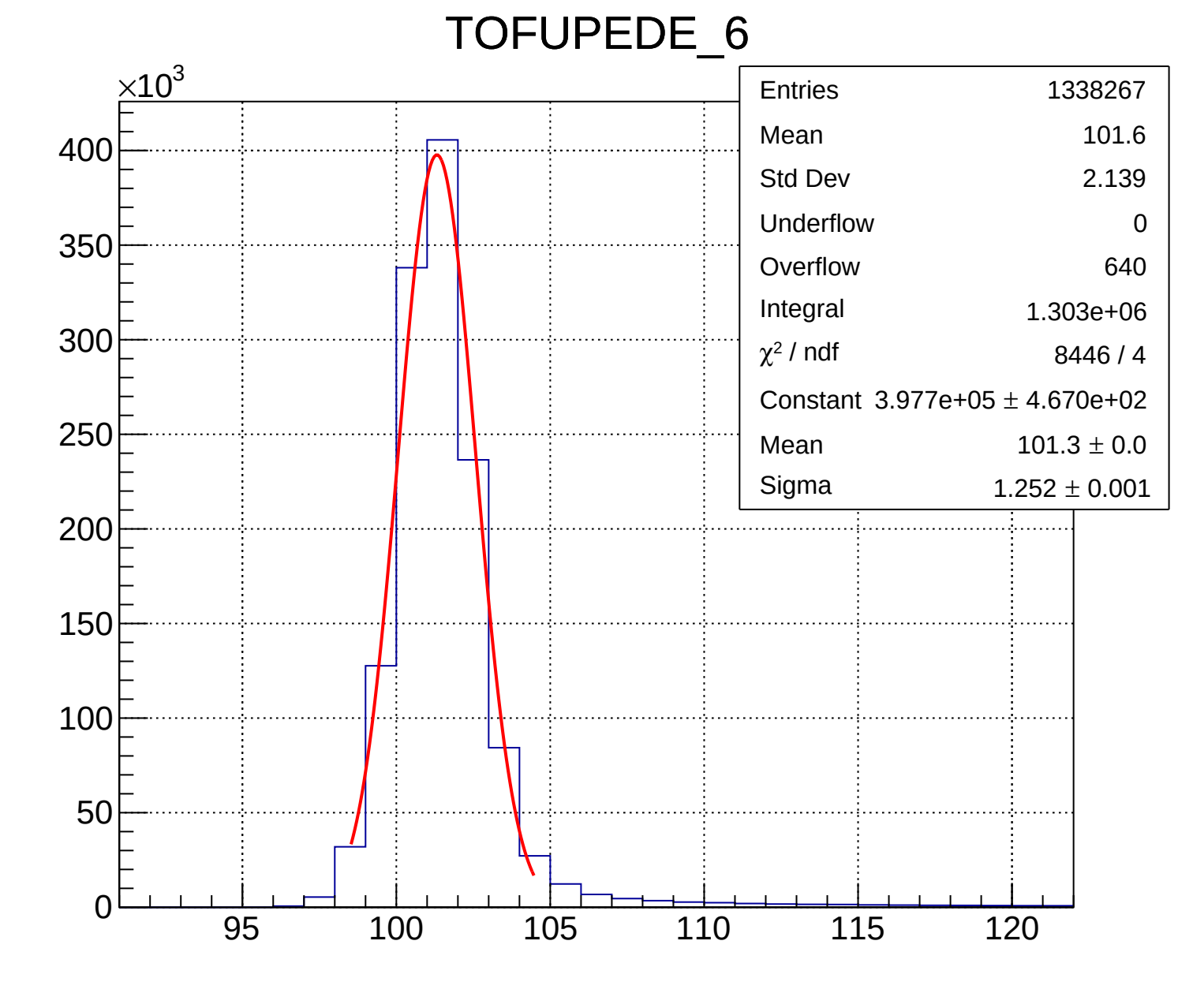

TOFUPEDE_1
×10^3
500
400
300
200
100
0
105
110
115
120
125
130
Entries 1484953
Mean 111.9
Std Dev 1.674
Underflow 0
Overflow 183
Integral 1.468e+06
χ² / ndf 1.008e+04 / 4
Constant 5.747e+05 ± 6.249e+02
Mean 111.7 ± 0.0
Sigma 0.9893 ± 0.0007

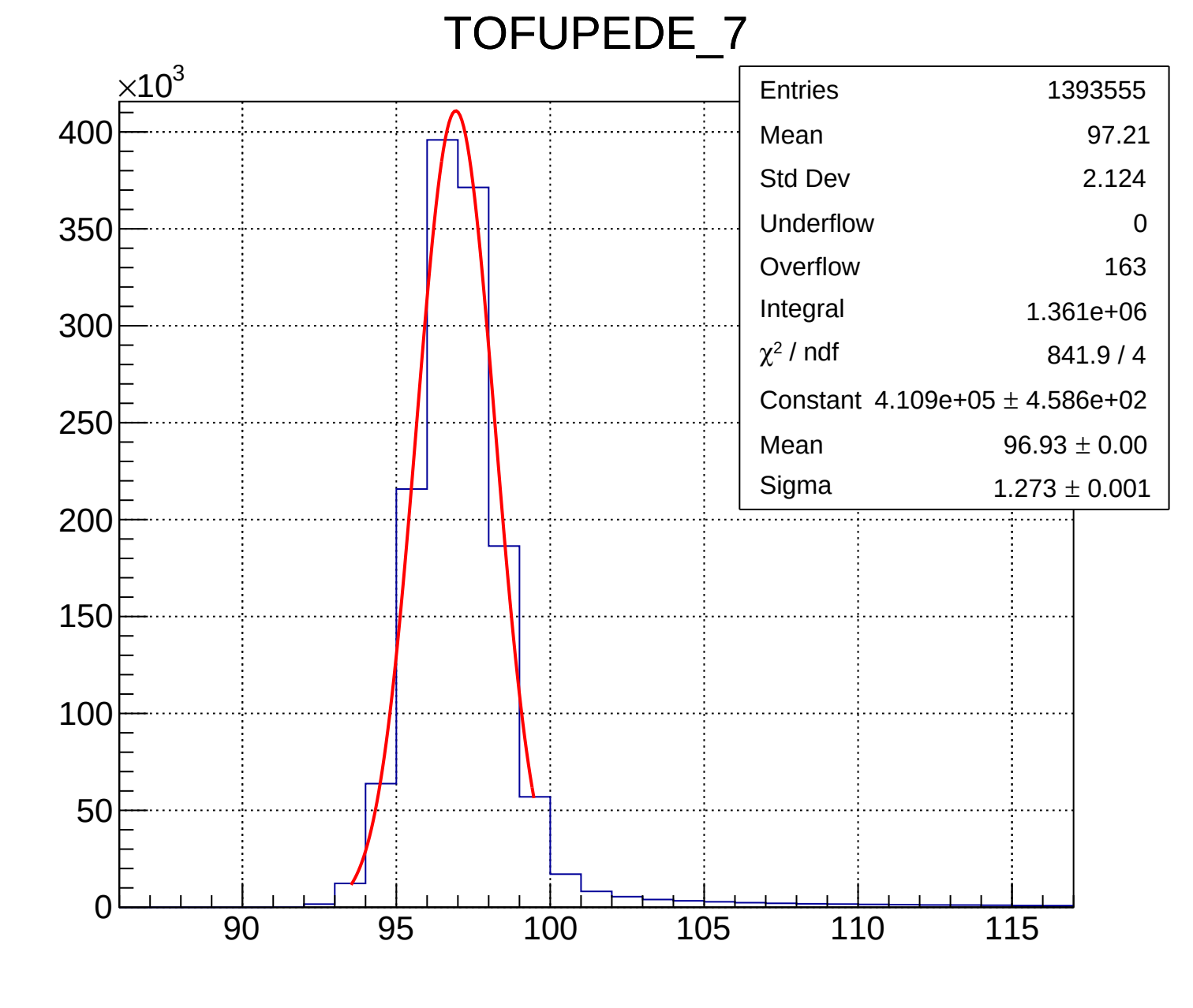

TOFUPEDE_2
×10^3
500
400
300
200
100
0
90
95
100
105
110
115
120
Entries 1482452
Mean 99.98
Std Dev 1.672
Underflow 0
Overflow 85
Integral 1.466e+06
χ² / ndf 4316 / 4
Constant 5.424e+05 ± 5.793e+02
Mean 99.81 ± 0.00
Sigma 1.052 ± 0.001

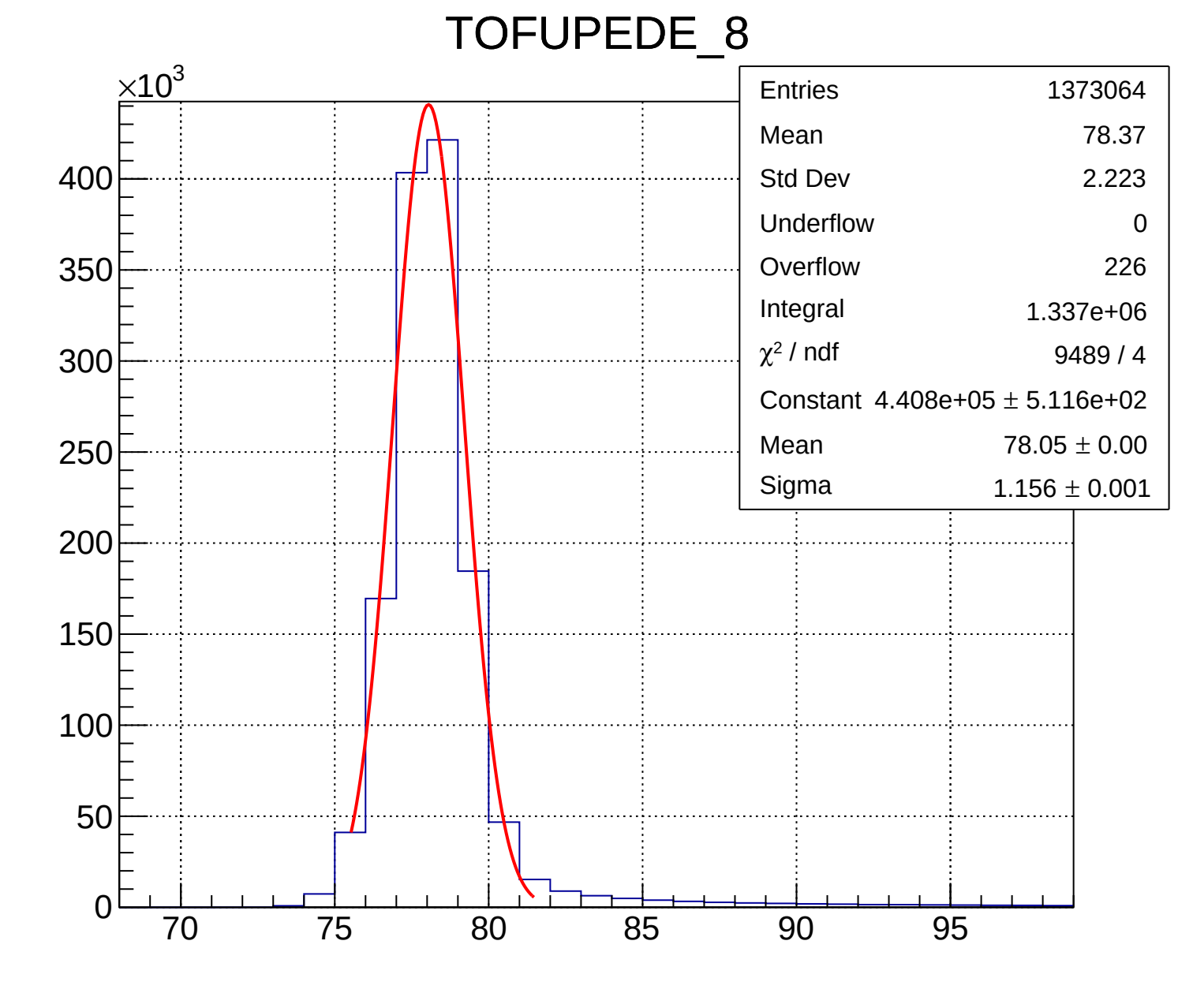

TOFUPEDE_3
×10^3
450
400
350
300
250
200
150
100
50
0
100
105
110
115
120
125
130
Entries 1407661
Mean 110.9
Std Dev 1.911
Underflow 0
Overflow 225
Integral 1.384e+06
χ² / ndf 4378 / 4
Constant 4.275e+05 ± 4.702e+02
Mean 110.7 ± 0.0
Sigma 1.257 ± 0.001

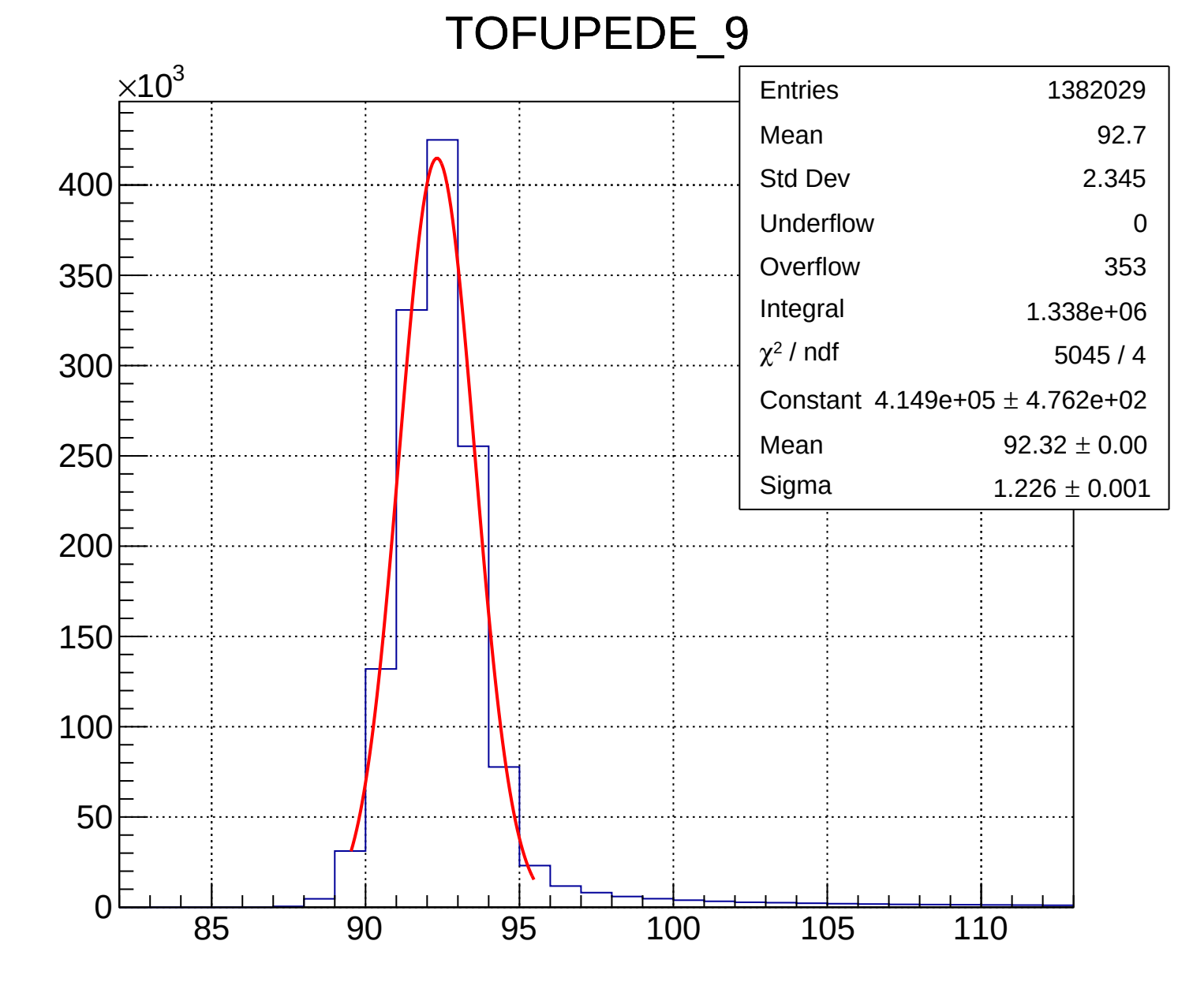

TOFUPEDE_4
×10^3
450
400
350
300
250
200
150
100
50
0
85
90
95
100
105
110
Entries 1374889
Mean 94.09
Std Dev 1.866
Underflow 0
Overflow 262
Integral 1.349e+06
χ² / ndf 3365 / 4
Constant 4.6e+05 ± 5.0e+02
Mean 93.88 ± 0.00
Sigma 1.137 ± 0.001

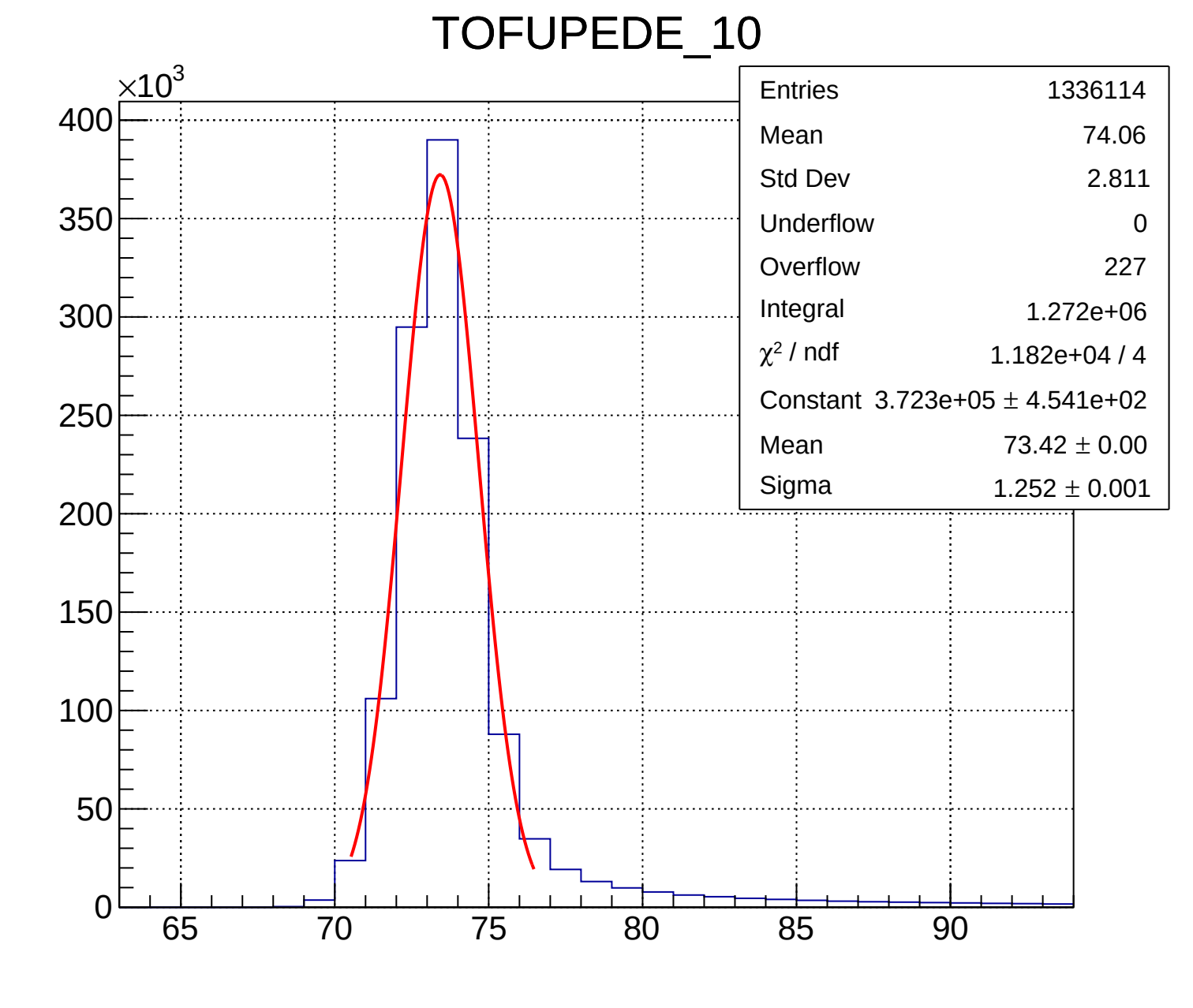

TOFUPEDE_5
×10^3
300
250
200
150
100
50
0
105
110
115
120
125
130
Entries 1342226
Mean 112.6
Std Dev 2.349
Underflow 0
Overflow 303
Integral 1.306e+06
χ² / ndf 1335 / 4
Constant 3.235e+05 ± 3.721e+02
Mean 112.3 ± 0.0
Sigma 1.566 ± 0.001

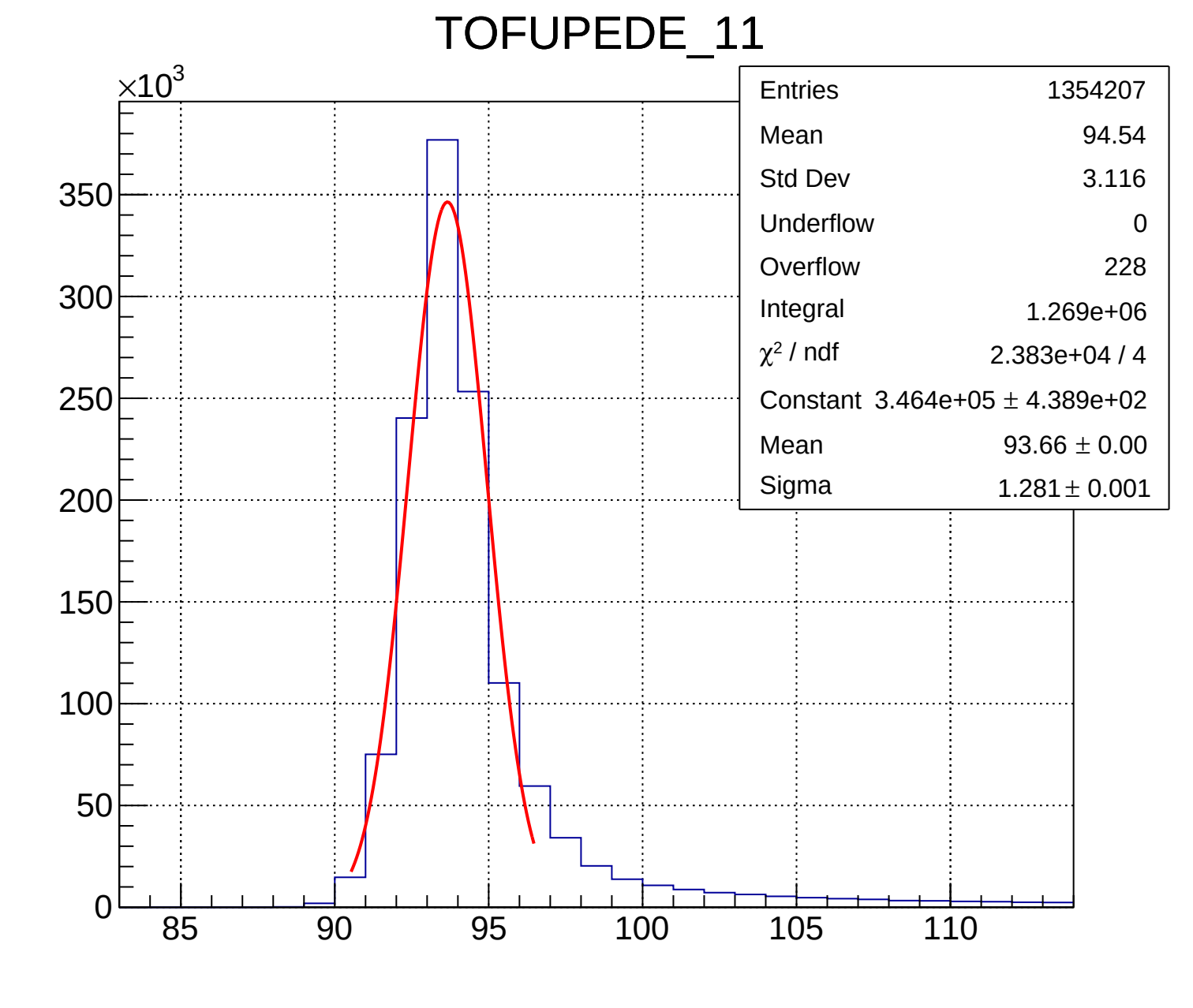

TOFUPEDE_6
×10^3
400
350
300
250
200
150
100
50
0
95
100
105
110
115
120
Entries 1338267
Mean 101.6
Std Dev 2.139
Underflow 0
Overflow 640
Integral 1.303e+06
χ² / ndf 8446 / 4
Constant 3.977e+05 ± 4.670e+02
Mean 101.3 ± 0.0
Sigma 1.252 ± 0.001

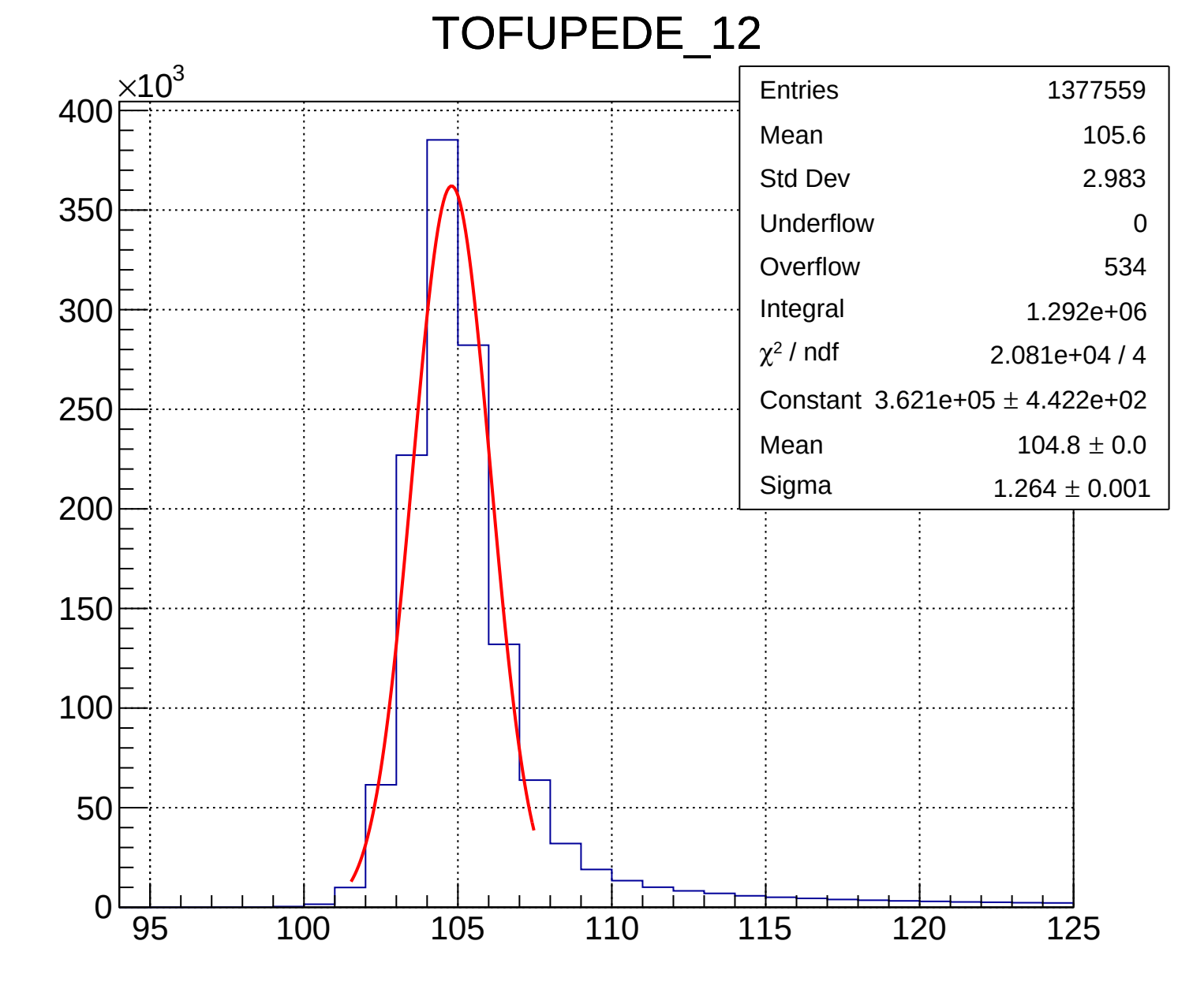

TOFUPEDE_7
×10^3
400
350
300
250
200
150
100
50
0
90
95
100
105
110
115
Entries 1393555
Mean 97.21
Std Dev 2.124
Underflow 0
Overflow 163
Integral 1.361e+06
χ² / ndf 841.9 / 4
Constant 4.109e+05 ± 4.586e+02
Mean 96.93 ± 0.00
Sigma 1.273 ± 0.001

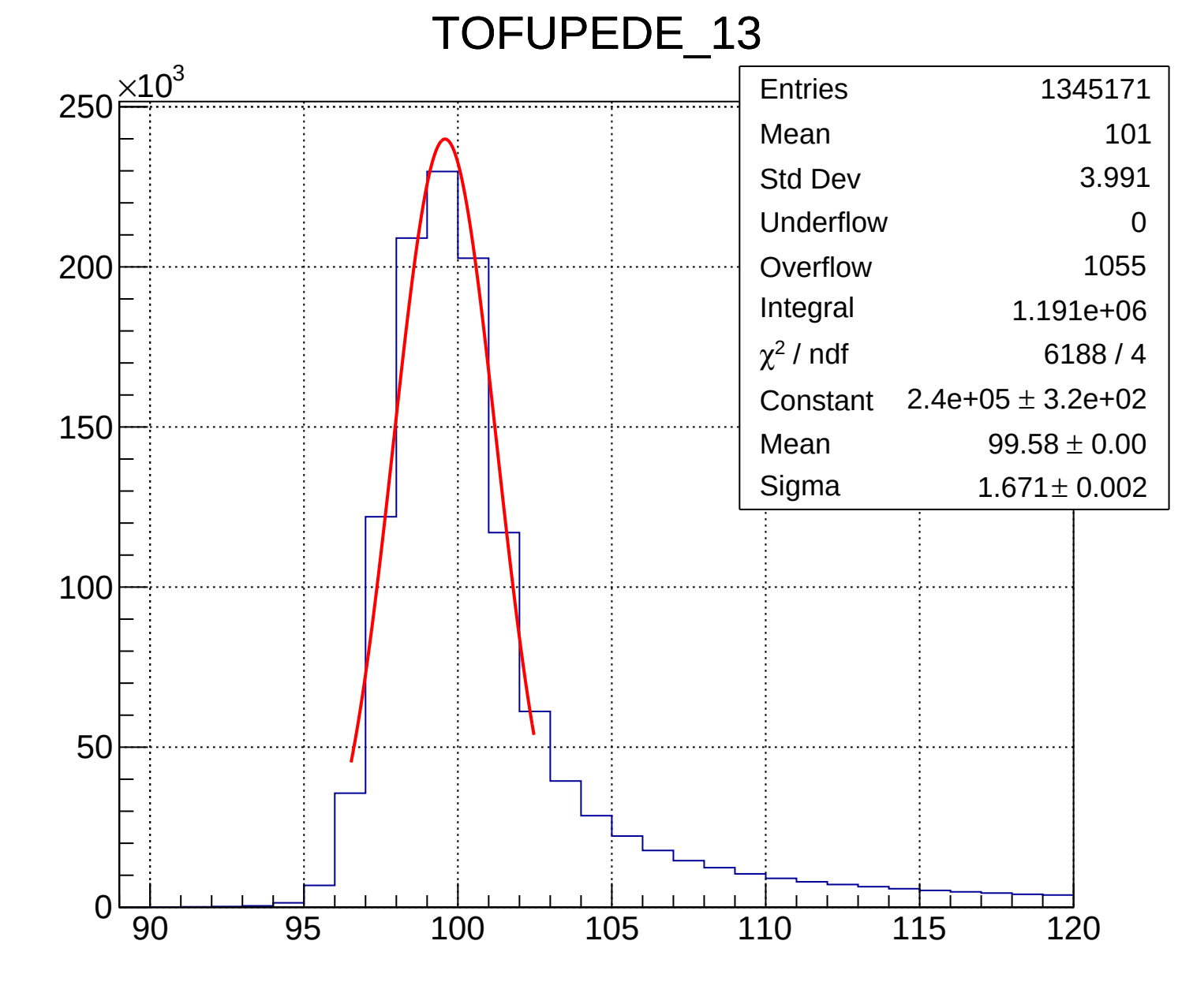

TOFUPEDE_8
×10^3
400
350
300
250
200
150
100
50
0
70
75
80
85
90
95
Entries 1373064
Mean 78.37
Std Dev 2.223
Underflow 0
Overflow 226
Integral 1.337e+06
χ² / ndf 9489 / 4
Constant 4.408e+05 ± 5.116e+02
Mean 78.05 ± 0.00
Sigma 1.156 ± 0.001

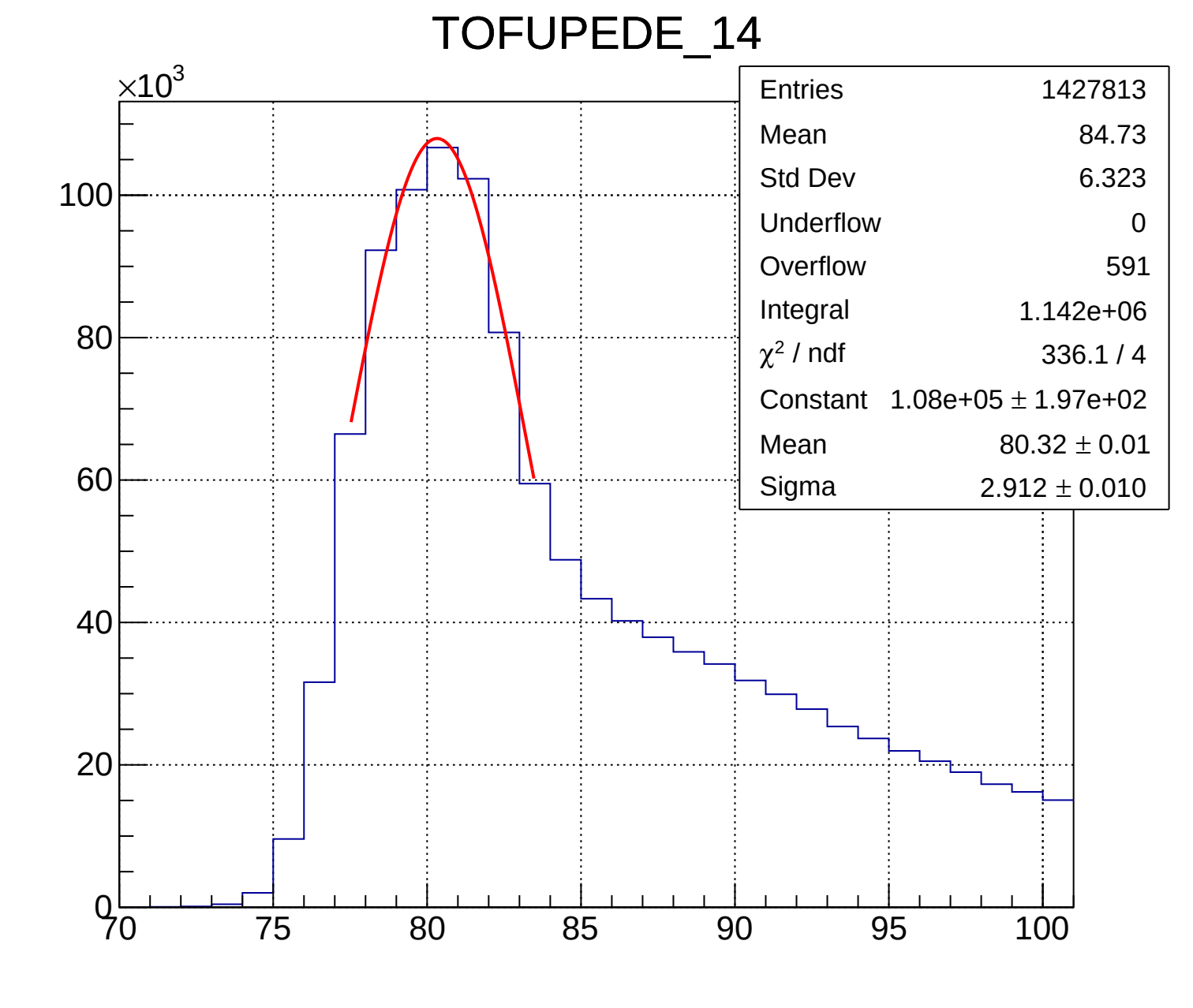

TOFUPEDE_9
×10^3
400
350
300
250
200
150
100
50
0
85
90
95
100
105
110
Entries 1382029
Mean 92.7
Std Dev 2.345
Underflow 0
Overflow 353
Integral 1.338e+06
χ² / ndf 5045 / 4
Constant 4.149e+05 ± 4.762e+02
Mean 92.32 ± 0.00
Sigma 1.226 ± 0.001

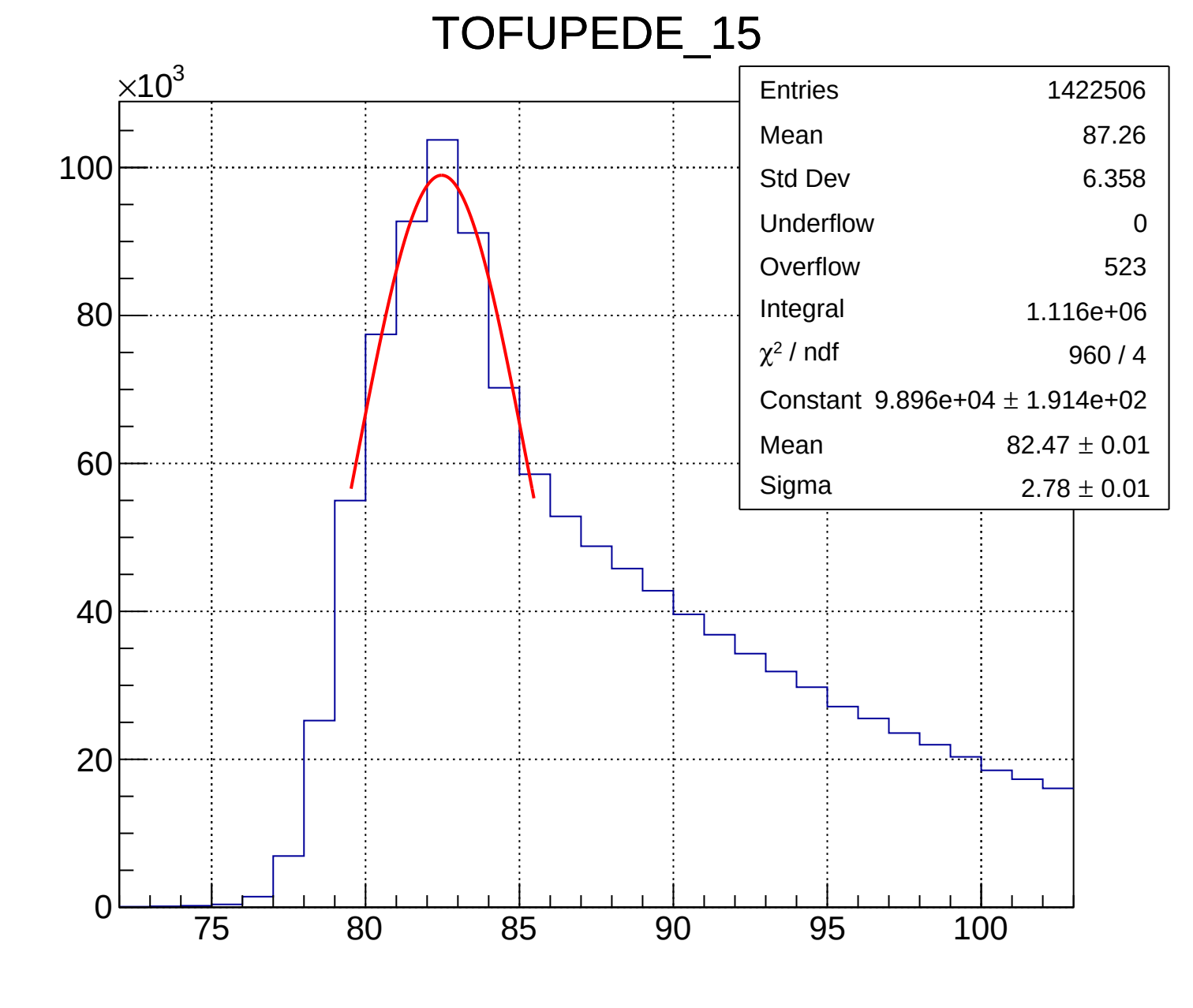

TOFUPEDE_10
×10^3
400
350
300
250
200
150
100
50
0
65
70
75
80
85
90
Entries 1336114
Mean 74.06
Std Dev 2.811
Underflow 0
Overflow 227
Integral 1.272e+06
χ² / ndf 1.182e+04 / 4
Constant 3.723e+05 ± 4.541e+02
Mean 73.42 ± 0.00
Sigma 1.252 ± 0.001

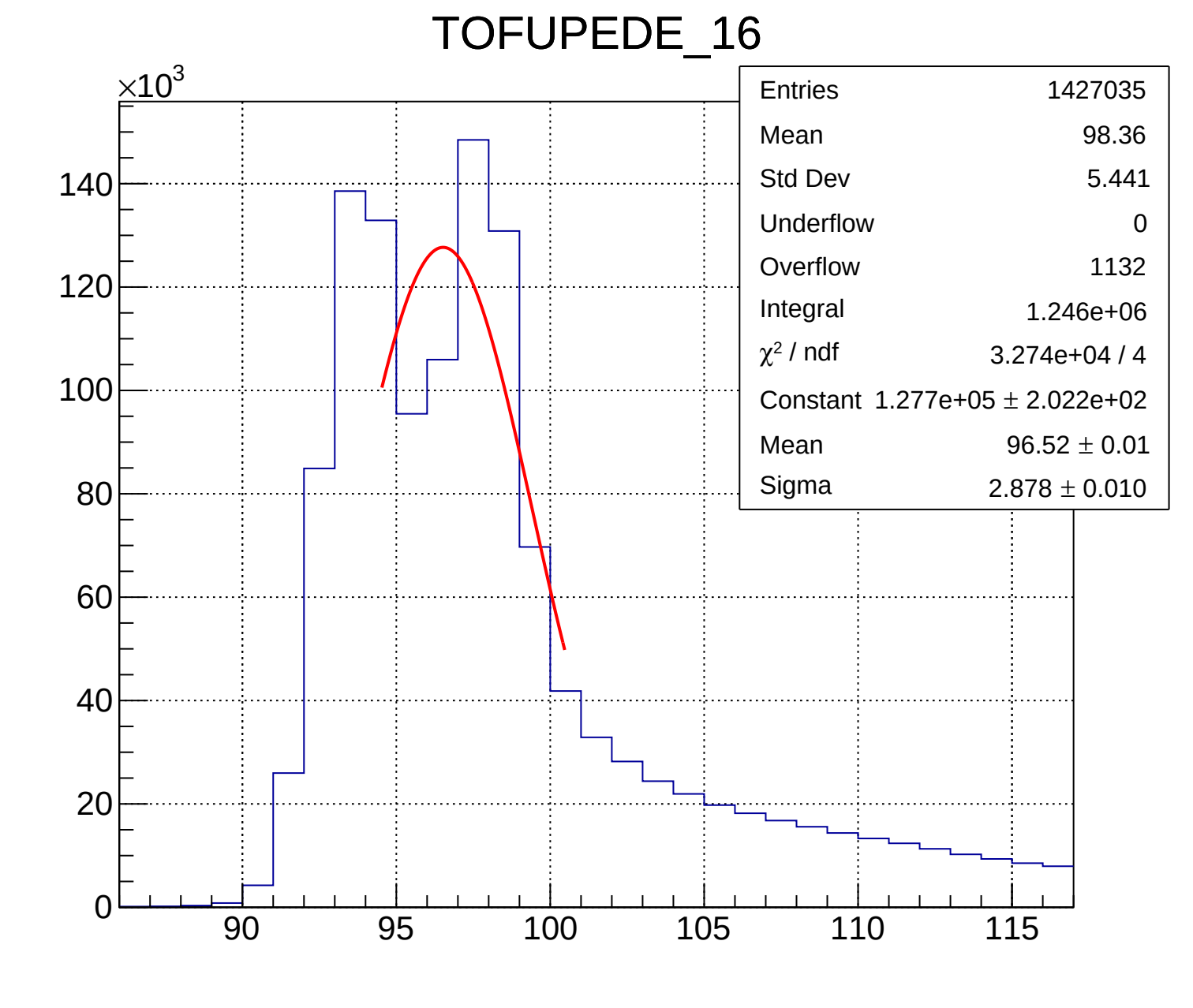

TOFUPEDE_11
×10^3
350
300
250
200
150
100
50
0
85
90
95
100
105
110
Entries 1354207
Mean 94.54
Std Dev 3.116
Underflow 0
Overflow 228
Integral 1.269e+06
χ² / ndf 2.383e+04 / 4
Constant 3.464e+05 ± 4.389e+02
Mean 93.66 ± 0.00
Sigma 1.281 ± 0.001

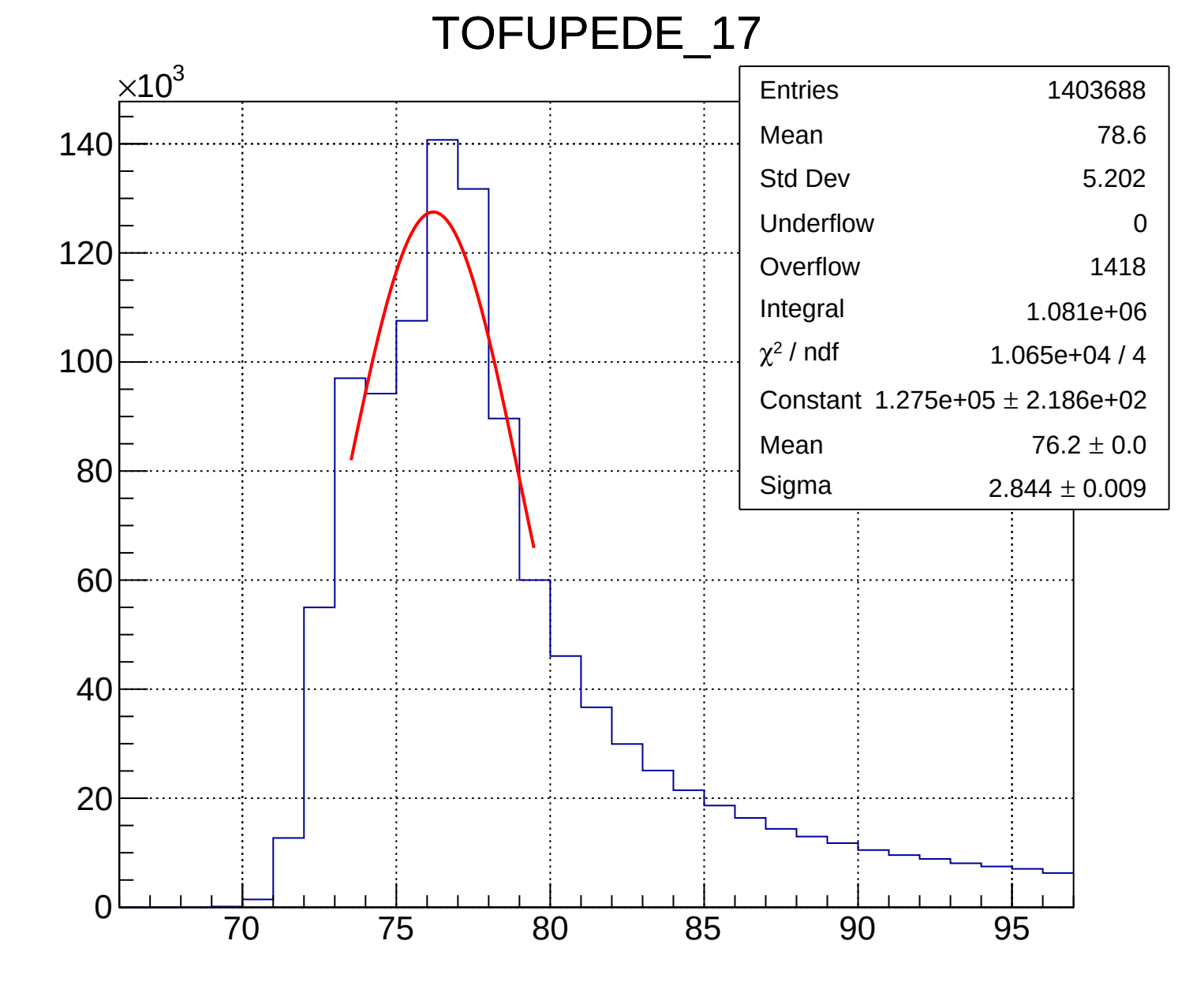

TOFUPEDE_12
×10^3
400
350
300
250
200
150
100
50
0
95
100
105
110
115
120
125
Entries 1377559
Mean 105.6
Std Dev 2.983
Underflow 0
Overflow 534
Integral 1.292e+06
χ² / ndf 2.081e+04 / 4
Constant 3.621e+05 ± 4.422e+02
Mean 104.8 ± 0.0
Sigma 1.264 ± 0.001

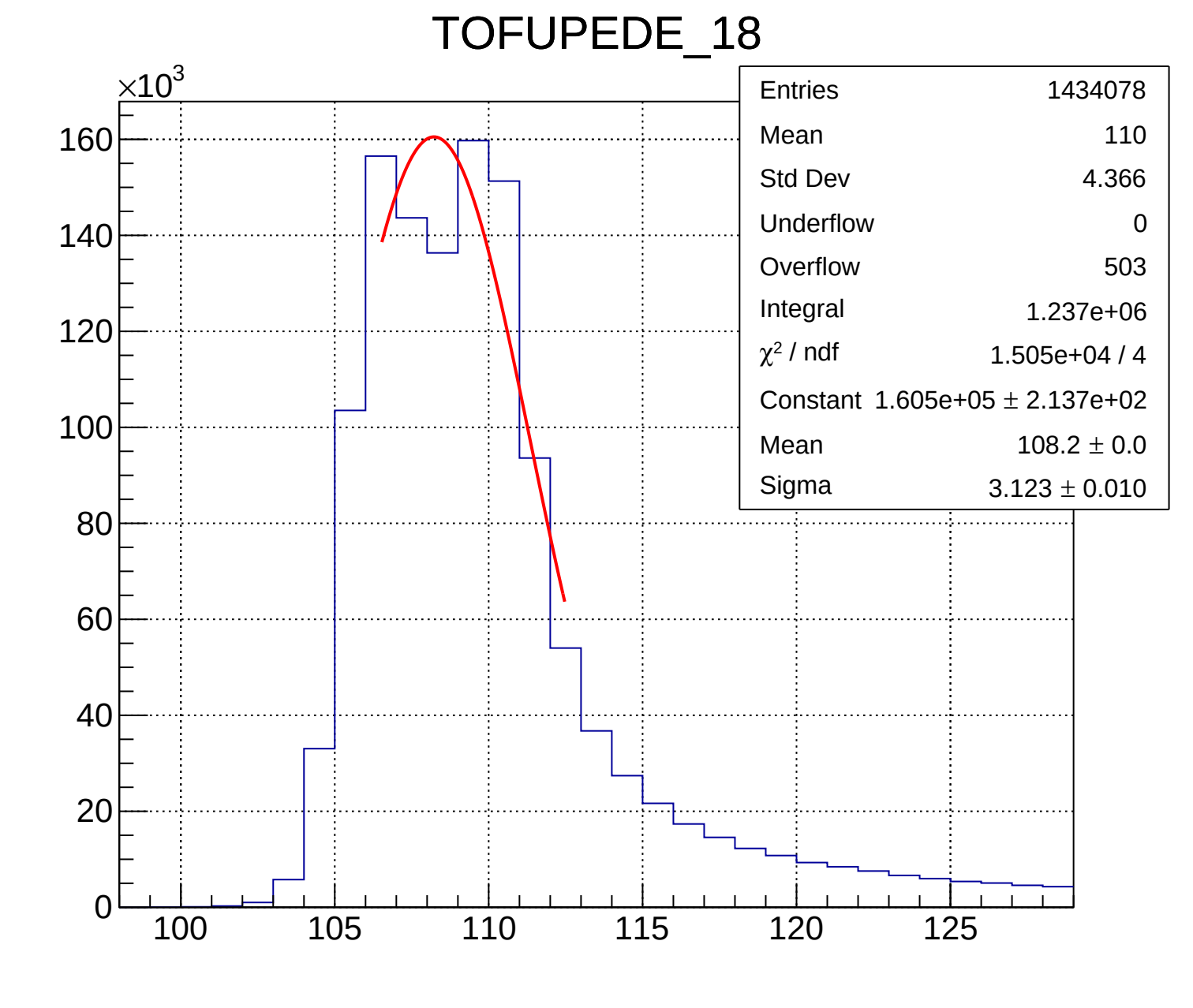

TOFUPEDE_13
×10^3
250
200
150
100
50
0
90
95
100
105
110
115
120
Entries 1345171
Mean 101
Std Dev 3.991
Underflow 0
Overflow 1055
Integral 1.191e+06
χ² / ndf 6188 / 4
Constant 2.4e+05 ± 3.2e+02
Mean 99.58 ± 0.00
Sigma 1.671 ± 0.002

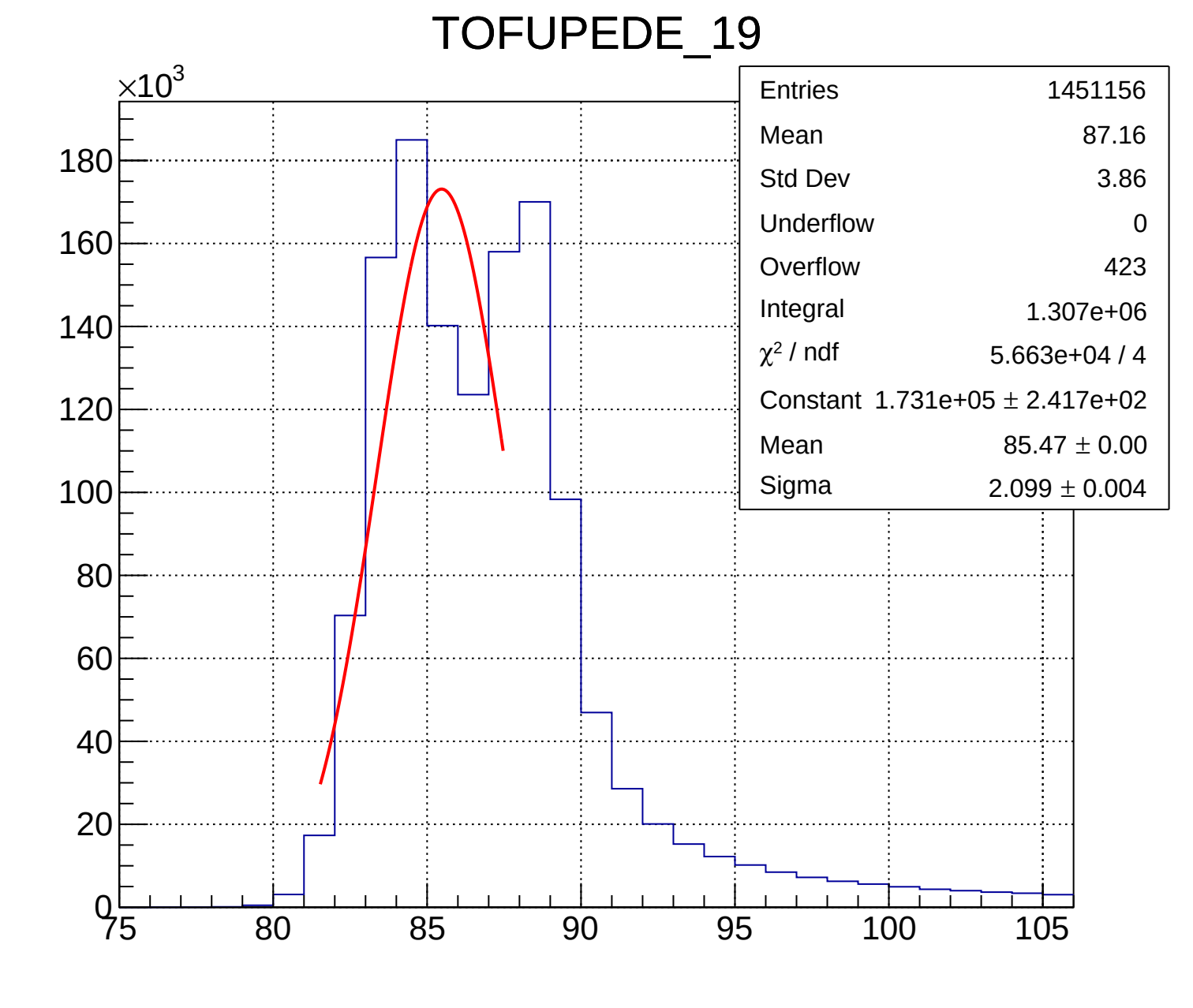

TOFUPEDE_14
×10^3
100
80
60
40
20
0
70
75
80
85
90
95
100
Entries 1427813
Mean 84.73
Std Dev 6.323
Underflow 0
Overflow 591
Integral 1.142e+06
χ² / ndf 336.1 / 4
Constant 1.08e+05 ± 1.97e+02
Mean 80.32 ± 0.01
Sigma 2.912 ± 0.010

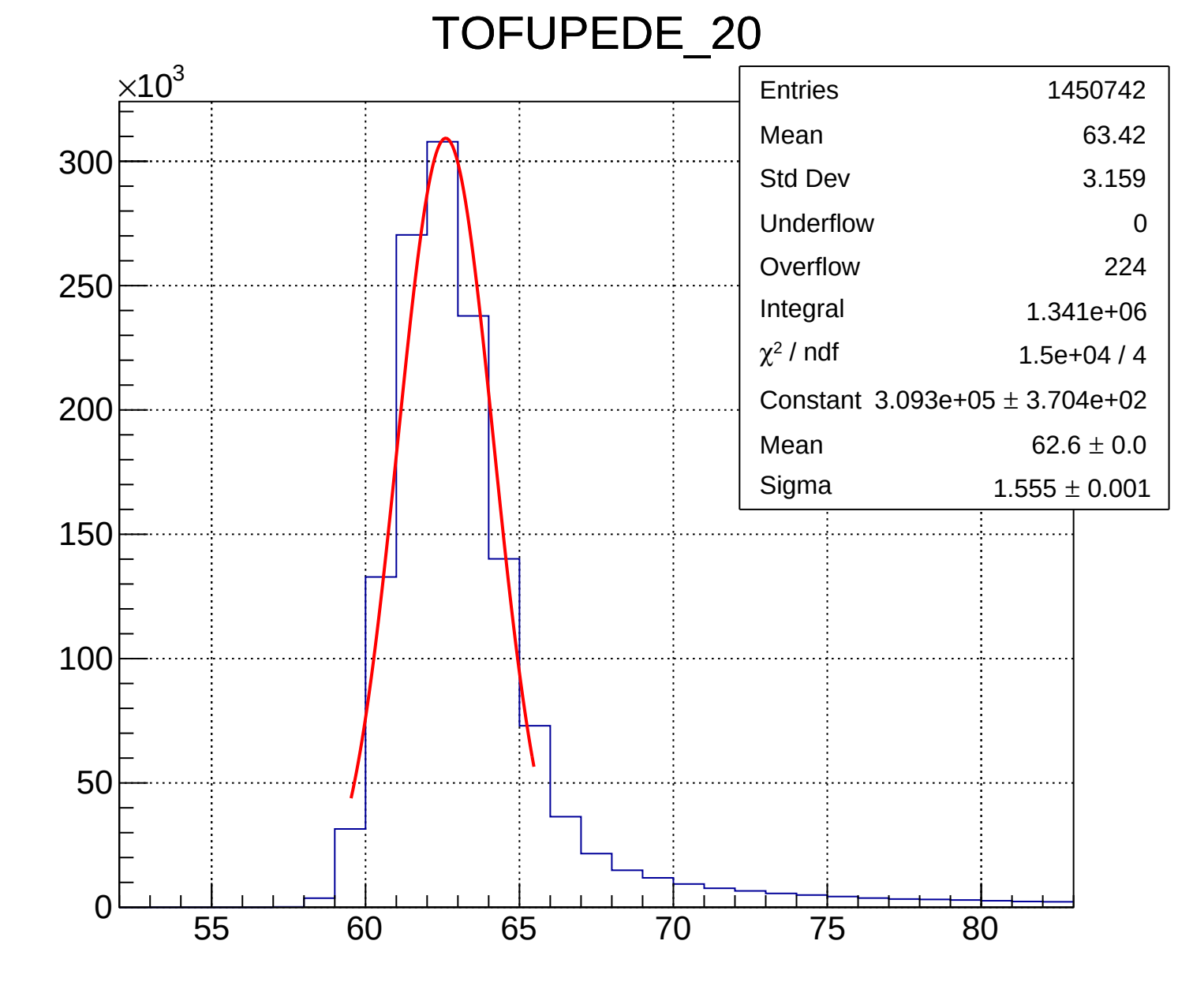

TOFUPEDE_15
×10^3
100
80
60
40
20
0
75
80
85
90
95
100
Entries 1422506
Mean 87.26
Std Dev 6.358
Underflow 0
Overflow 523
Integral 1.116e+06
χ² / ndf 960 / 4
Constant 9.896e+04 ± 1.914e+02
Mean 82.47 ± 0.01
Sigma 2.78 ± 0.01

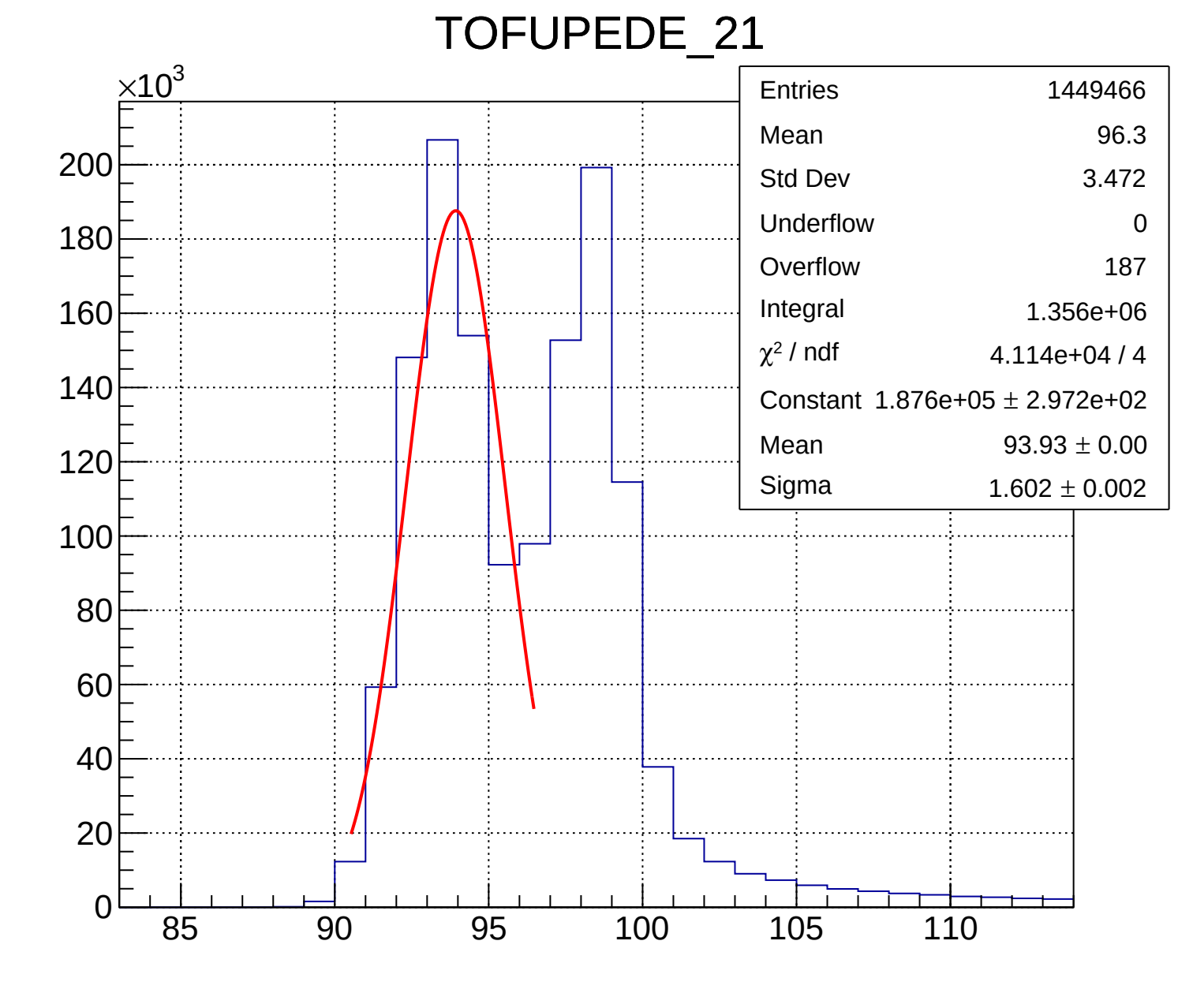

TOFUPEDE_16
×10^3
140
120
100
80
60
40
20
0
90
95
100
105
110
115
Entries 1427035
Mean 98.36
Std Dev 5.441
Underflow 0
Overflow 1132
Integral 1.246e+06
χ² / ndf 3.274e+04 / 4
Constant 1.277e+05 ± 2.022e+02
Mean 96.52 ± 0.01
Sigma 2.878 ± 0.010

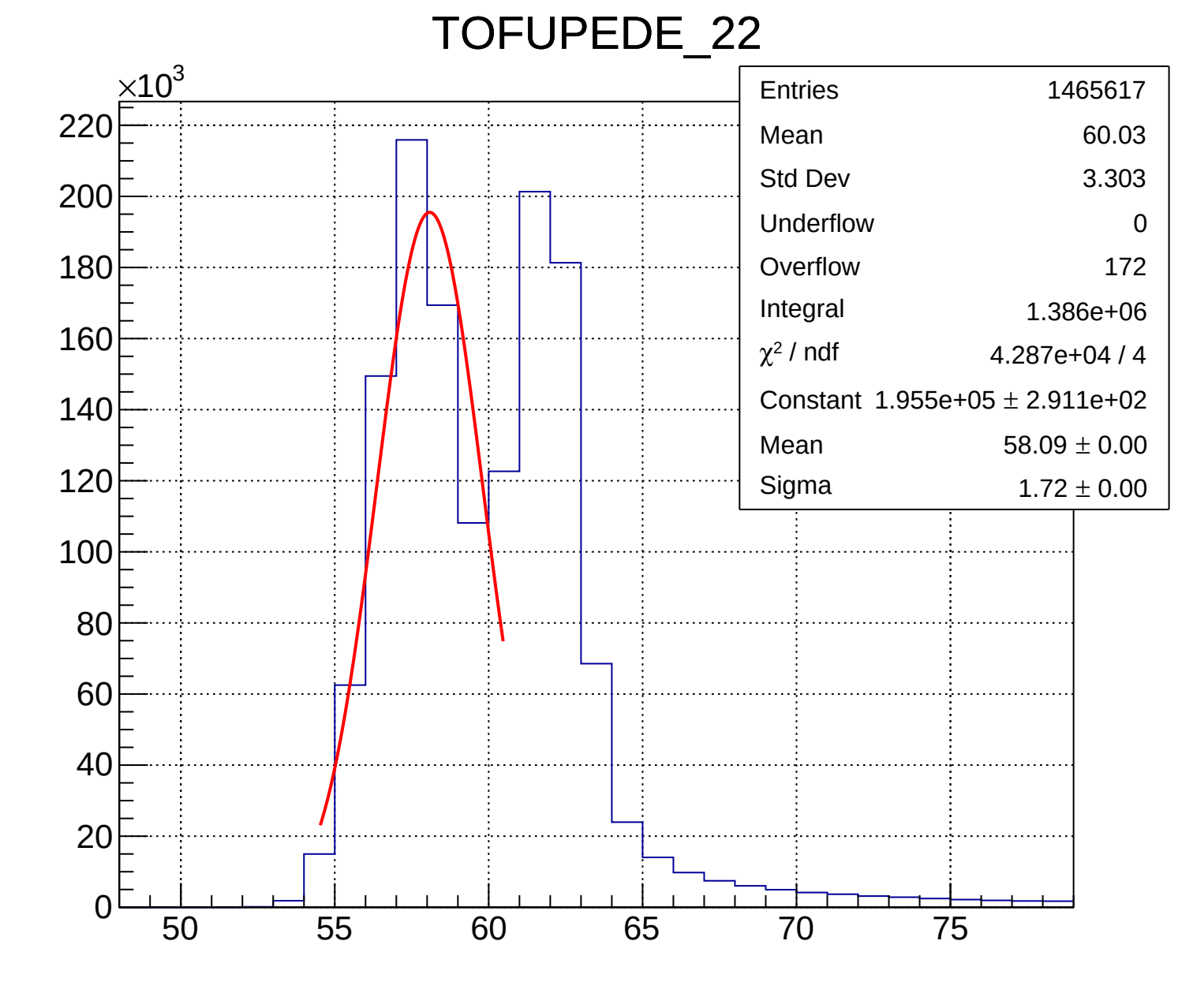

TOFUPEDE_17
×10^3
140
120
100
80
60
40
20
0
70
75
80
85
90
95
Entries 1403688
Mean 78.6
Std Dev 5.202
Underflow 0
Overflow 1418
Integral 1.081e+06
χ² / ndf 1.065e+04 / 4
Constant 1.275e+05 ± 2.186e+02
Mean 76.2 ± 0.0
Sigma 2.844 ± 0.009

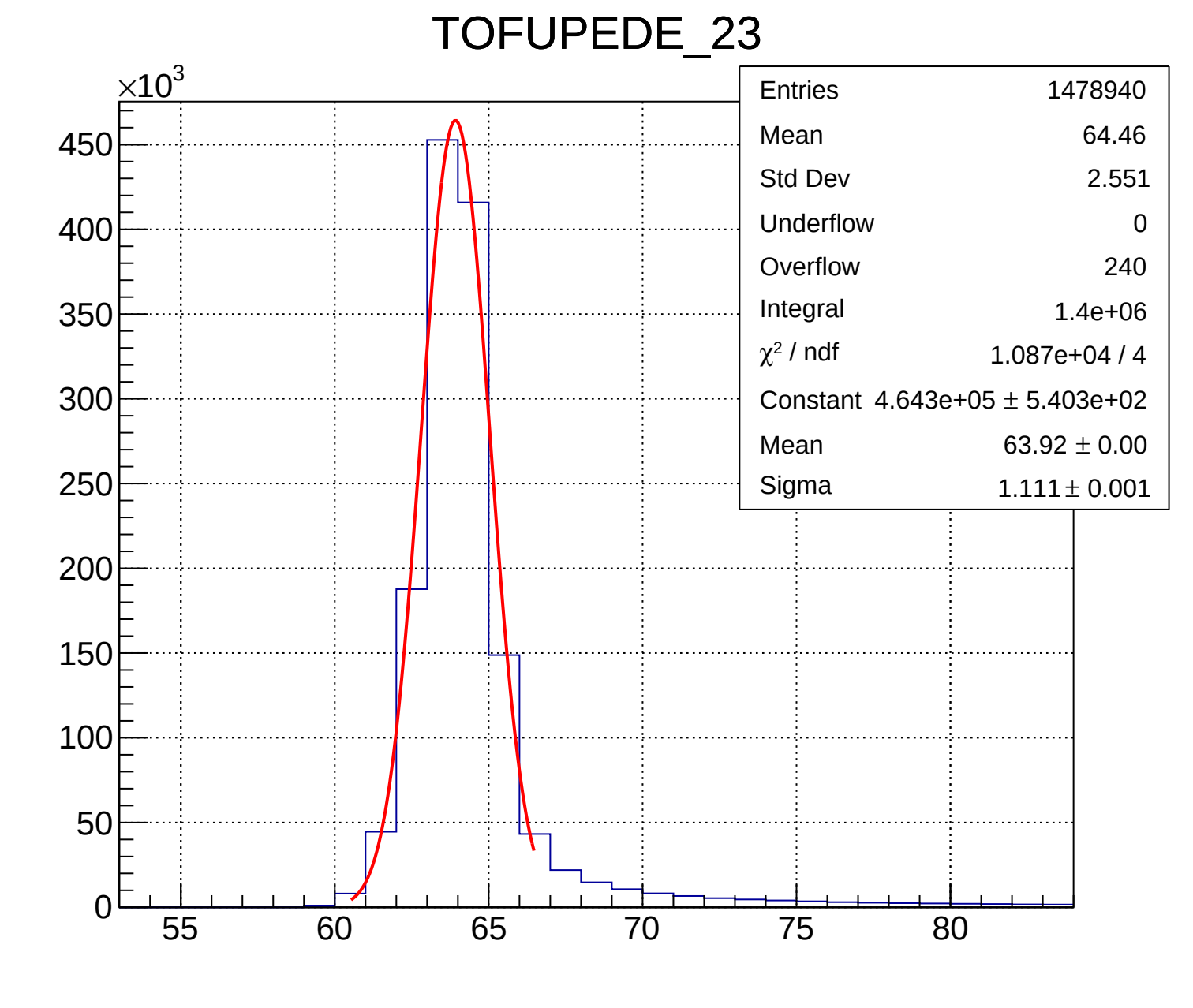

TOFUPEDE_18
×10^3
160
140
120
100
80
60
40
20
0
100
105
110
115
120
125
Entries 1434078
Mean 110
Std Dev 4.366
Underflow 0
Overflow 503
Integral 1.237e+06
χ² / ndf 1.505e+04 / 4
Constant 1.605e+05 ± 2.137e+02
Mean 108.2 ± 0.0
Sigma 3.123 ± 0.010

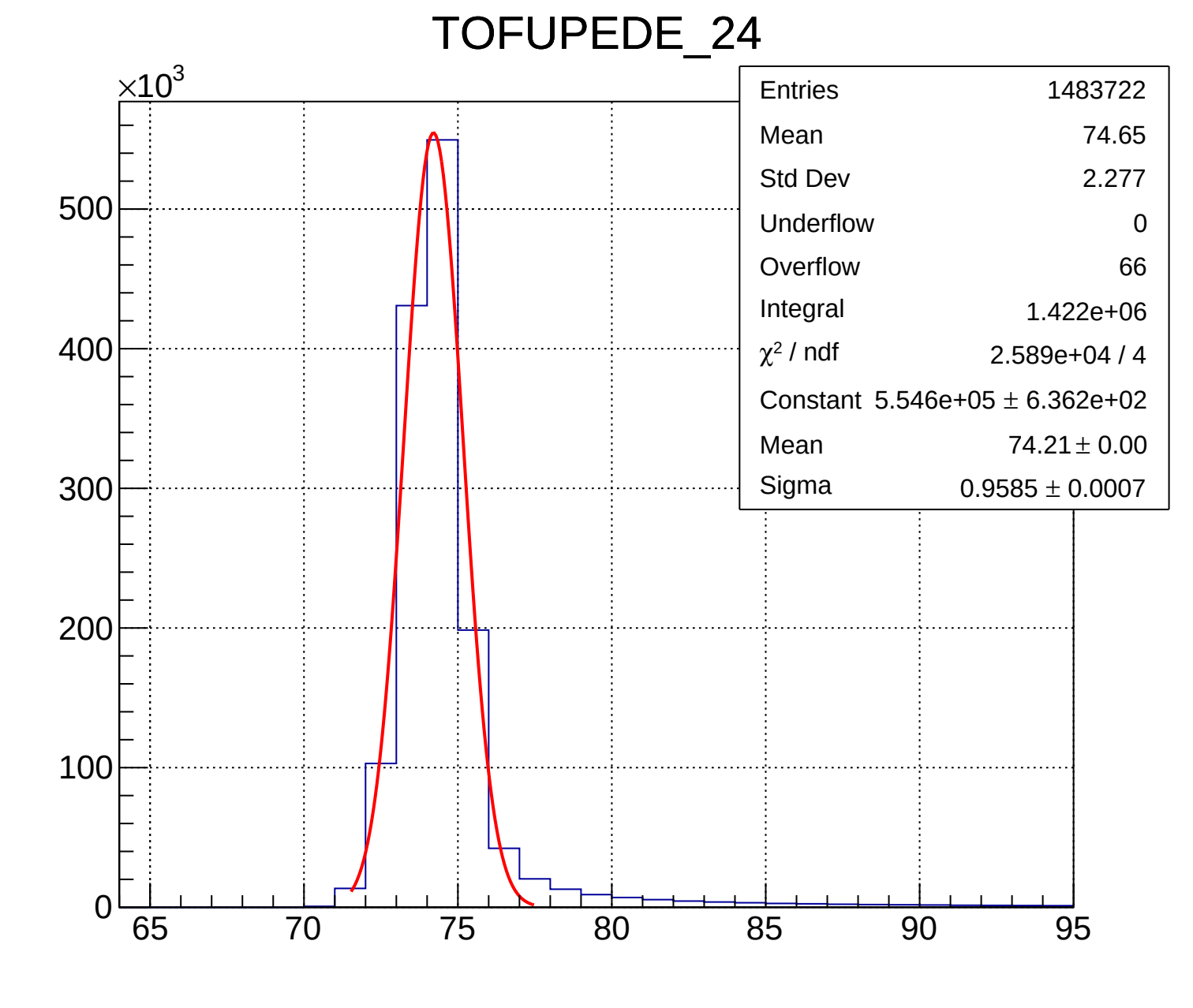

TOFUPEDE_19
×10^3
180
160
140
120
100
80
60
40
20
0
75
80
85
90
95
100
105
Entries 1451156
Mean 87.16
Std Dev 3.86
Underflow 0
Overflow 423
Integral 1.307e+06
χ² / ndf 5.663e+04 / 4
Constant 1.731e+05 ± 2.417e+02
Mean 85.47 ± 0.00
Sigma 2.099 ± 0.004

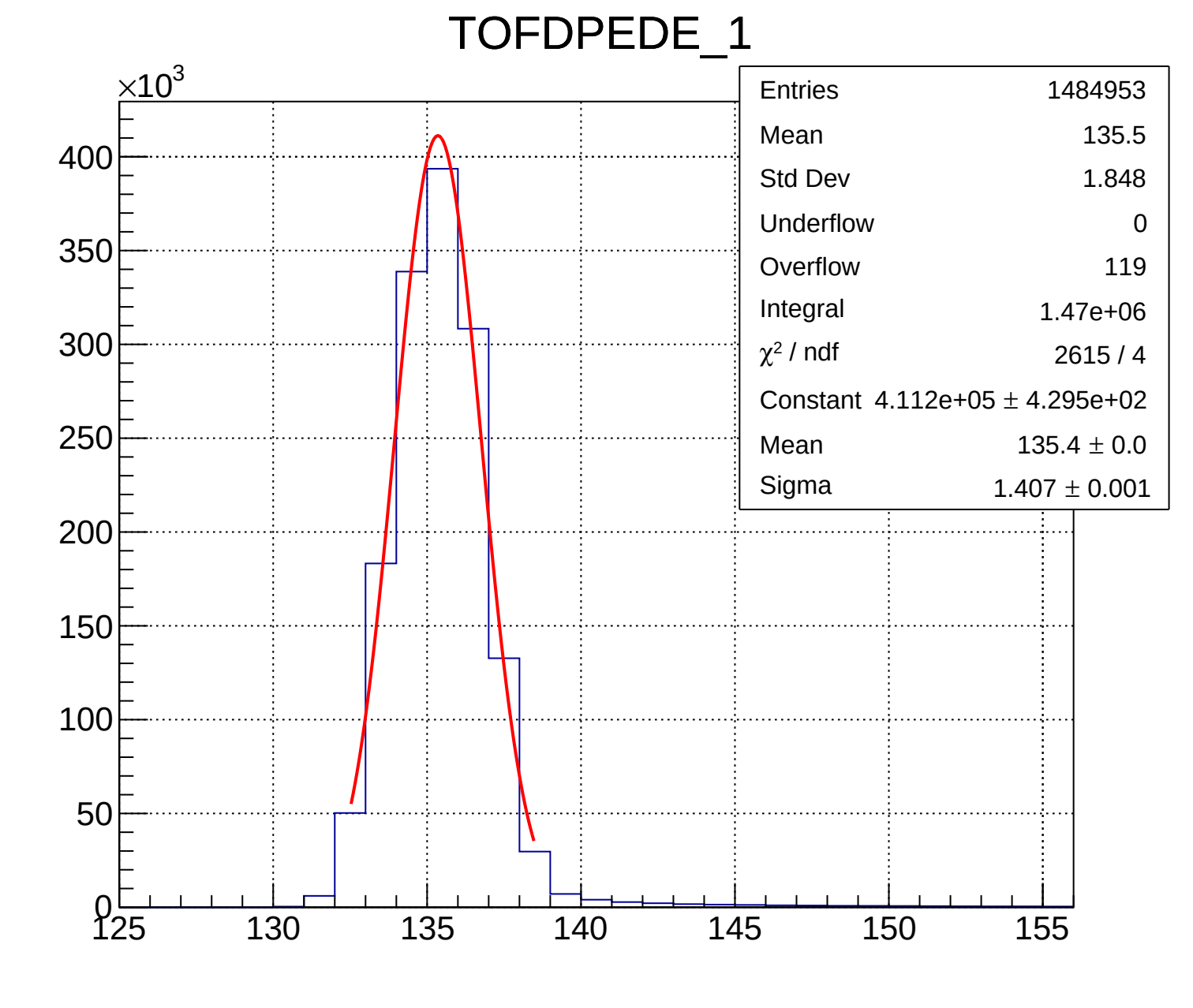

TOFUPEDE_20
×10^3
300
250
200
150
100
50
0
55
60
65
70
75
80
Entries 1450742
Mean 63.42
Std Dev 3.159
Underflow 0
Overflow 224
Integral 1.341e+06
χ² / ndf 1.5e+04 / 4
Constant 3.093e+05 ± 3.704e+02
Mean 62.6 ± 0.0
Sigma 1.555 ± 0.001

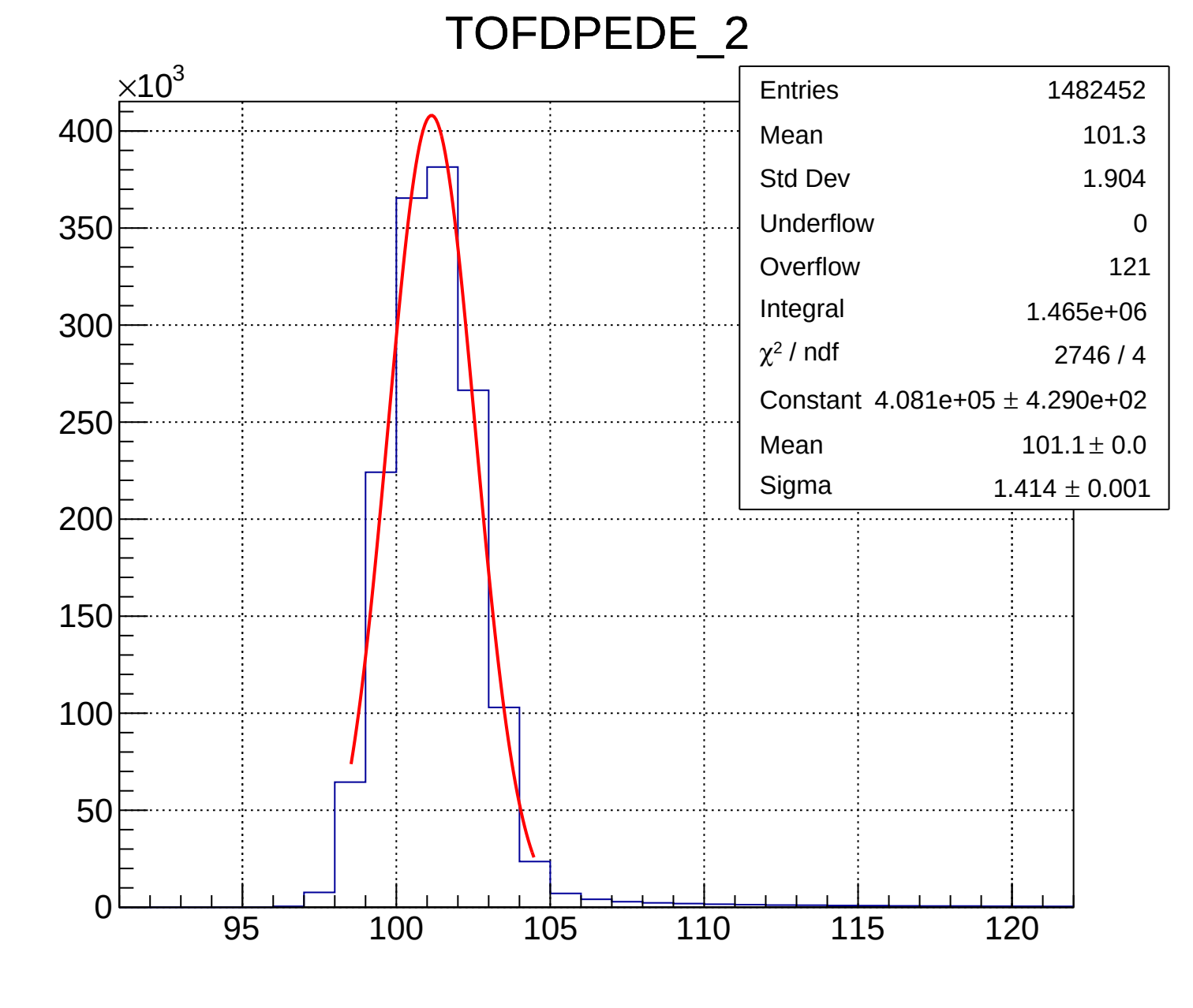

TOFUPEDE_21
×10^3
200
180
160
140
120
100
80
60
40
20
0
85
90
95
100
105
110
Entries 1449466
Mean 96.3
Std Dev 3.472
Underflow 0
Overflow 187
Integral 1.356e+06
χ² / ndf 4.114e+04 / 4
Constant 1.876e+05 ± 2.972e+02
Mean 93.93 ± 0.00
Sigma 1.602 ± 0.002

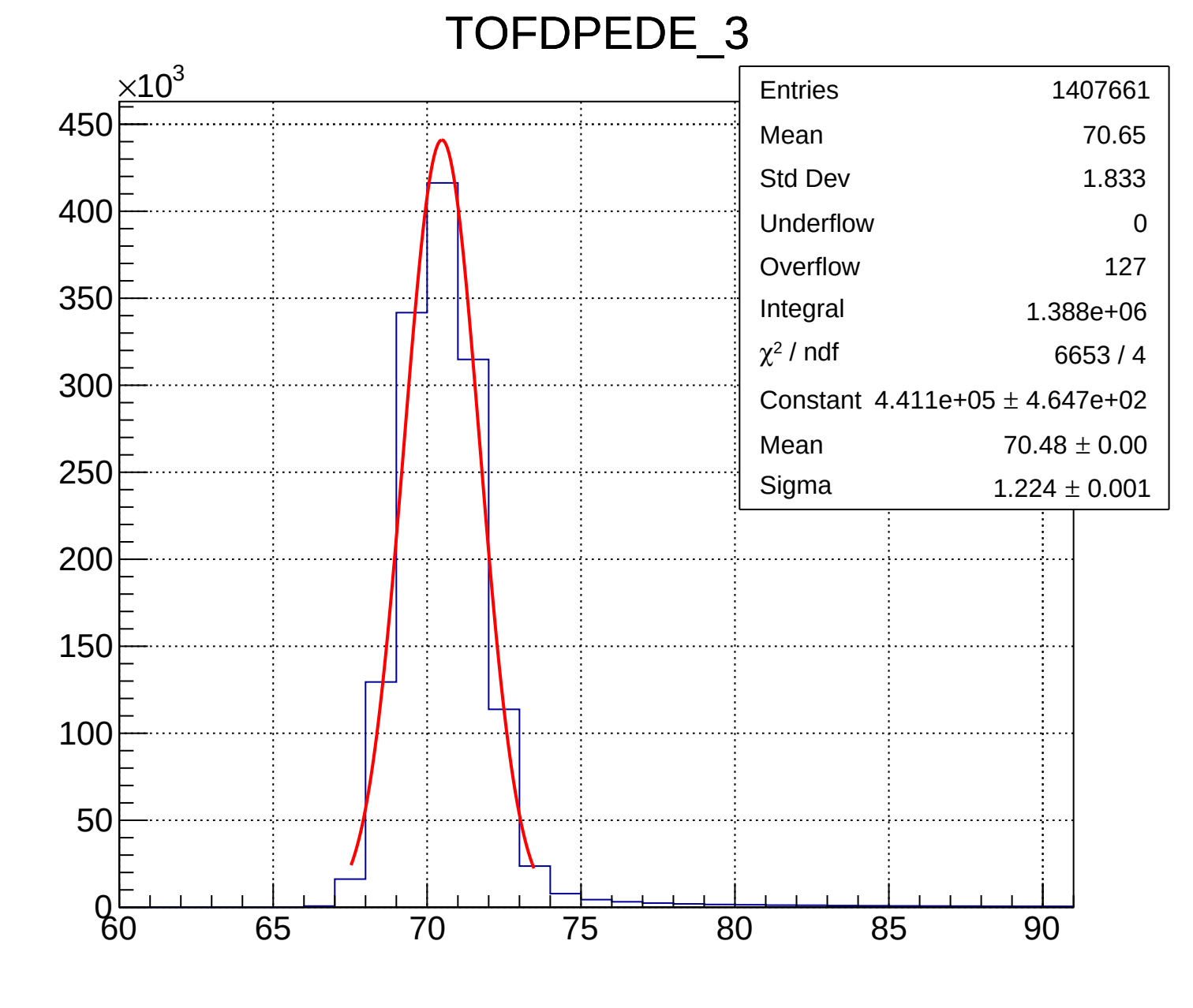

TOFUPEDE_22
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
50
55
60
65
70
75
Entries 1465617
Mean 60.03
Std Dev 3.303
Underflow 0
Overflow 172
Integral 1.386e+06
χ² / ndf 4.287e+04 / 4
Constant 1.955e+05 ± 2.911e+02
Mean 58.09 ± 0.00
Sigma 1.72 ± 0.00

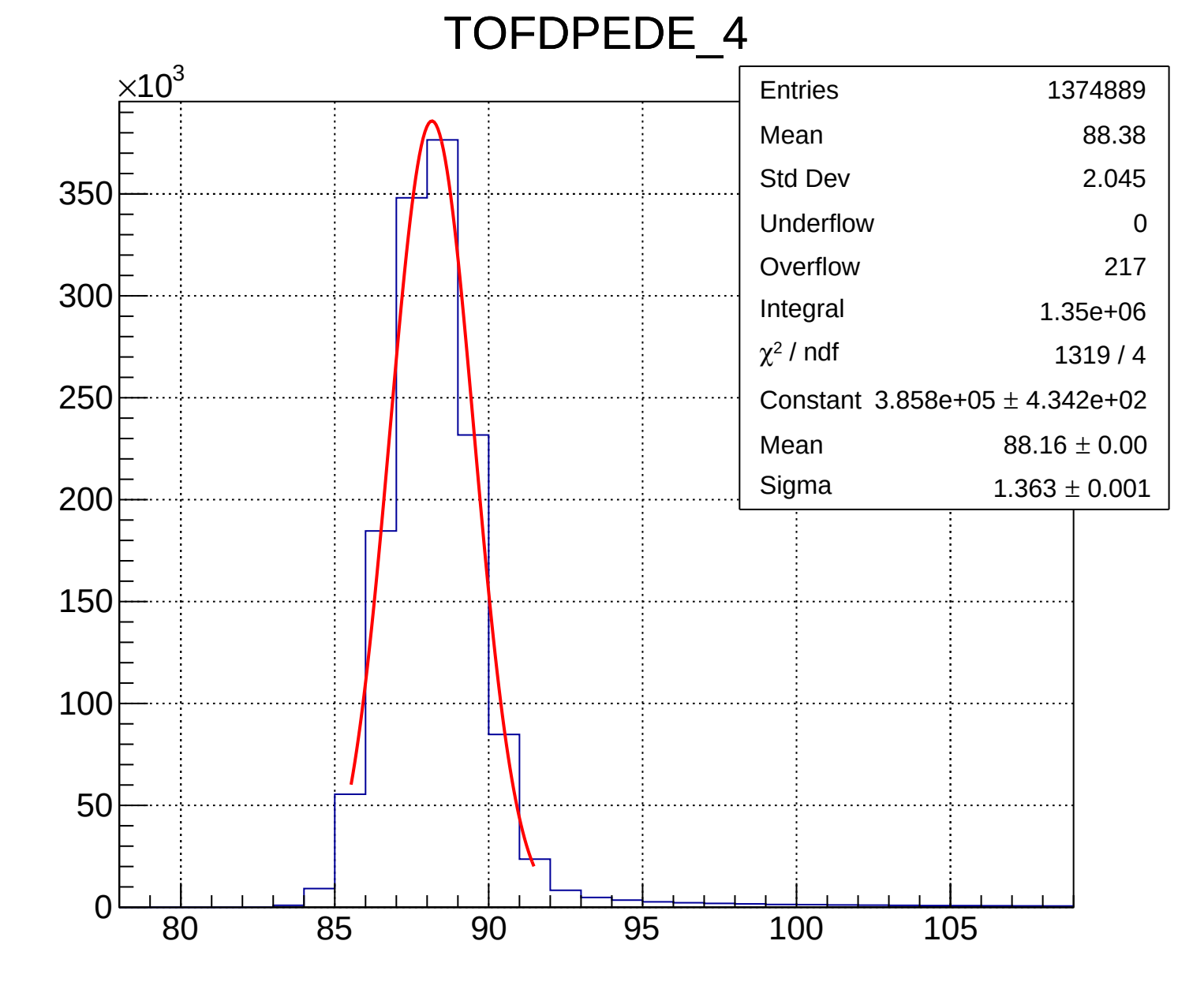

TOFUPEDE_23
×10^3
450
400
350
300
250
200
150
100
50
0
55
60
65
70
75
80
Entries 1478940
Mean 64.46
Std Dev 2.551
Underflow 0
Overflow 240
Integral 1.4e+06
χ² / ndf 1.087e+04 / 4
Constant 4.643e+05 ± 5.403e+02
Mean 63.92 ± 0.00
Sigma 1.111 ± 0.001

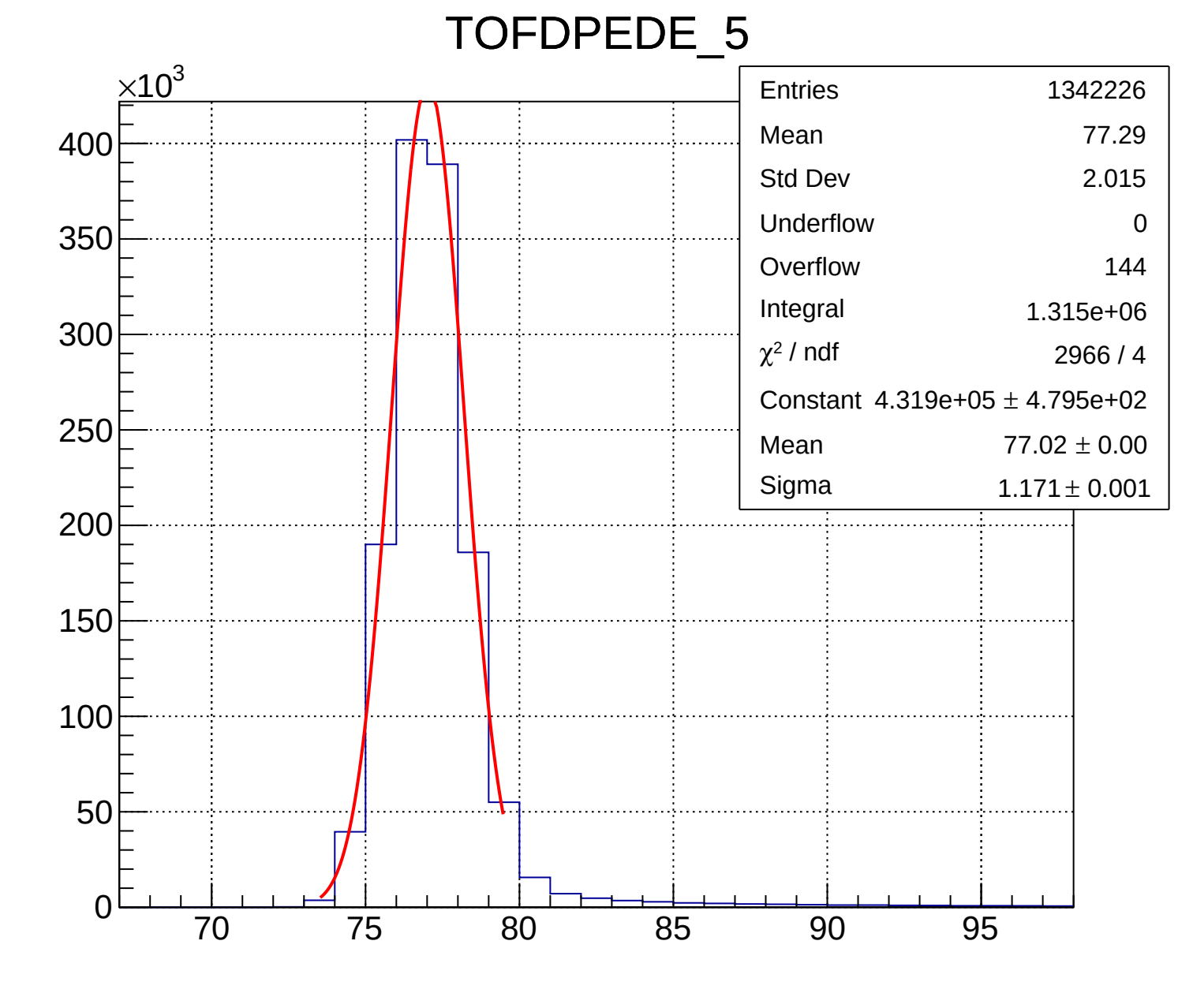

TOFUPEDE_24
×10^3
500
400
300
200
100
0
65
70
75
80
85
90
95
Entries 1483722
Mean 74.65
Std Dev 2.277
Underflow 0
Overflow 66
Integral 1.422e+06
χ² / ndf 2.589e+04 / 4
Constant 5.546e+05 ± 6.362e+02
Mean 74.21 ± 0.00
Sigma 0.9585 ± 0.0007

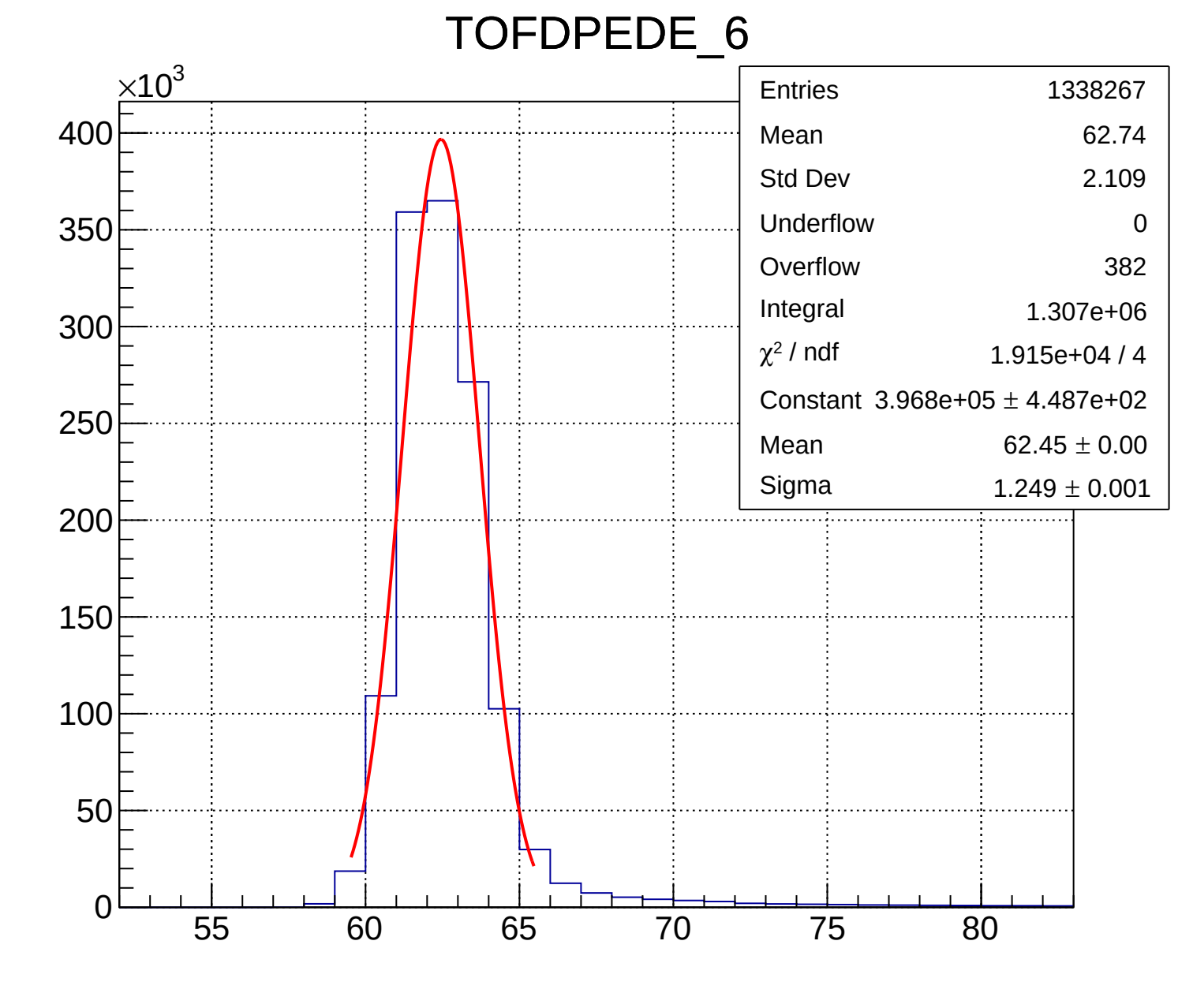

TOFDPEDE_1
×10^3
400
350
300
250
200
150
100
50
0
125
130
135
140
145
150
155
Entries 1484953
Mean 135.5
Std Dev 1.848
Underflow 0
Overflow 119
Integral 1.47e+06
χ² / ndf 2615 / 4
Constant 4.112e+05 ± 4.295e+02
Mean 135.4 ± 0.0
Sigma 1.407 ± 0.001

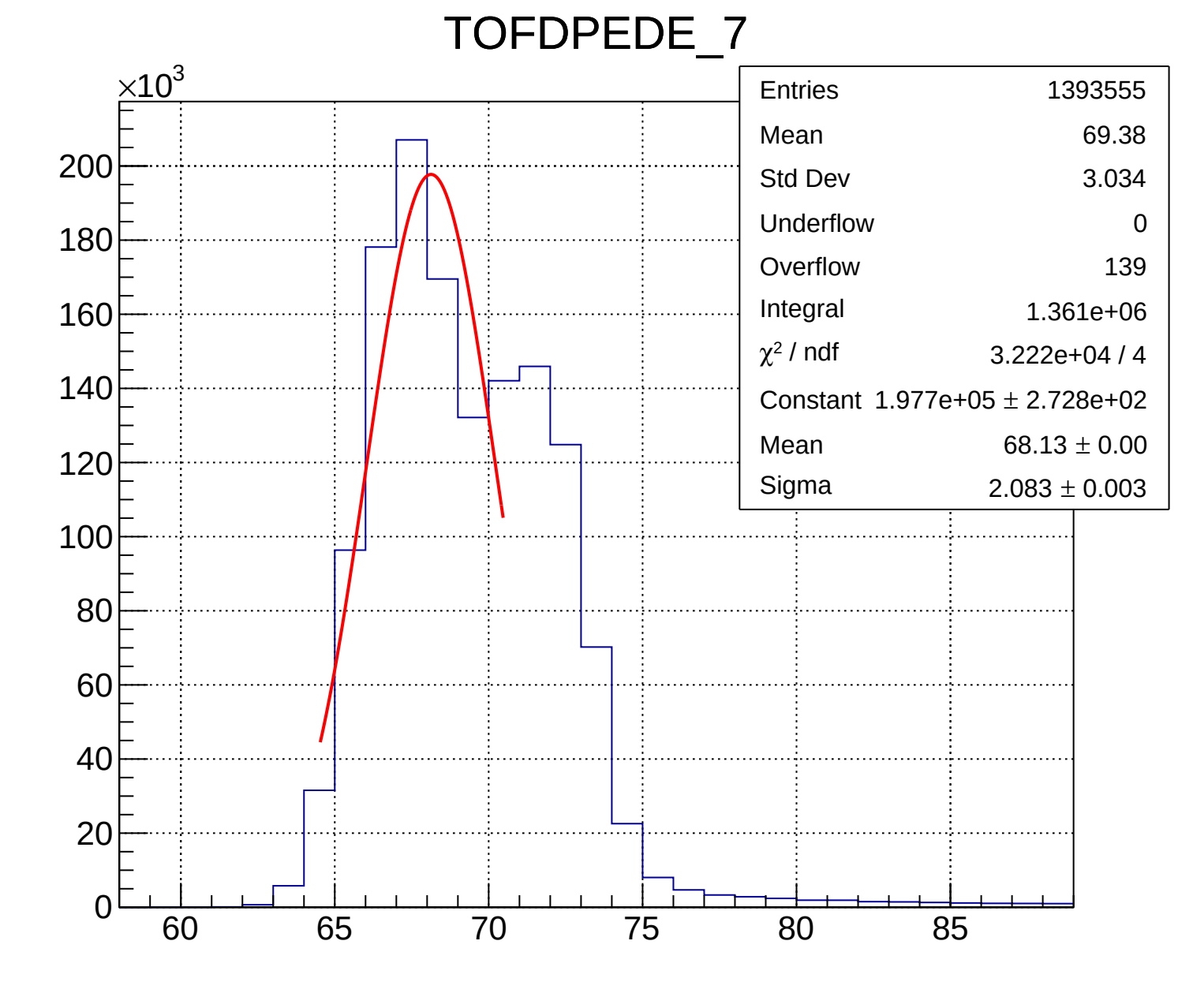

TOFDPEDE_2
×10^3
400
350
300
250
200
150
100
50
0
95
100
105
110
115
120
Entries 1482452
Mean 101.3
Std Dev 1.904
Underflow 0
Overflow 121
Integral 1.465e+06
χ² / ndf 2746 / 4
Constant 4.081e+05 ± 4.290e+02
Mean 101.1 ± 0.0
Sigma 1.414 ± 0.001

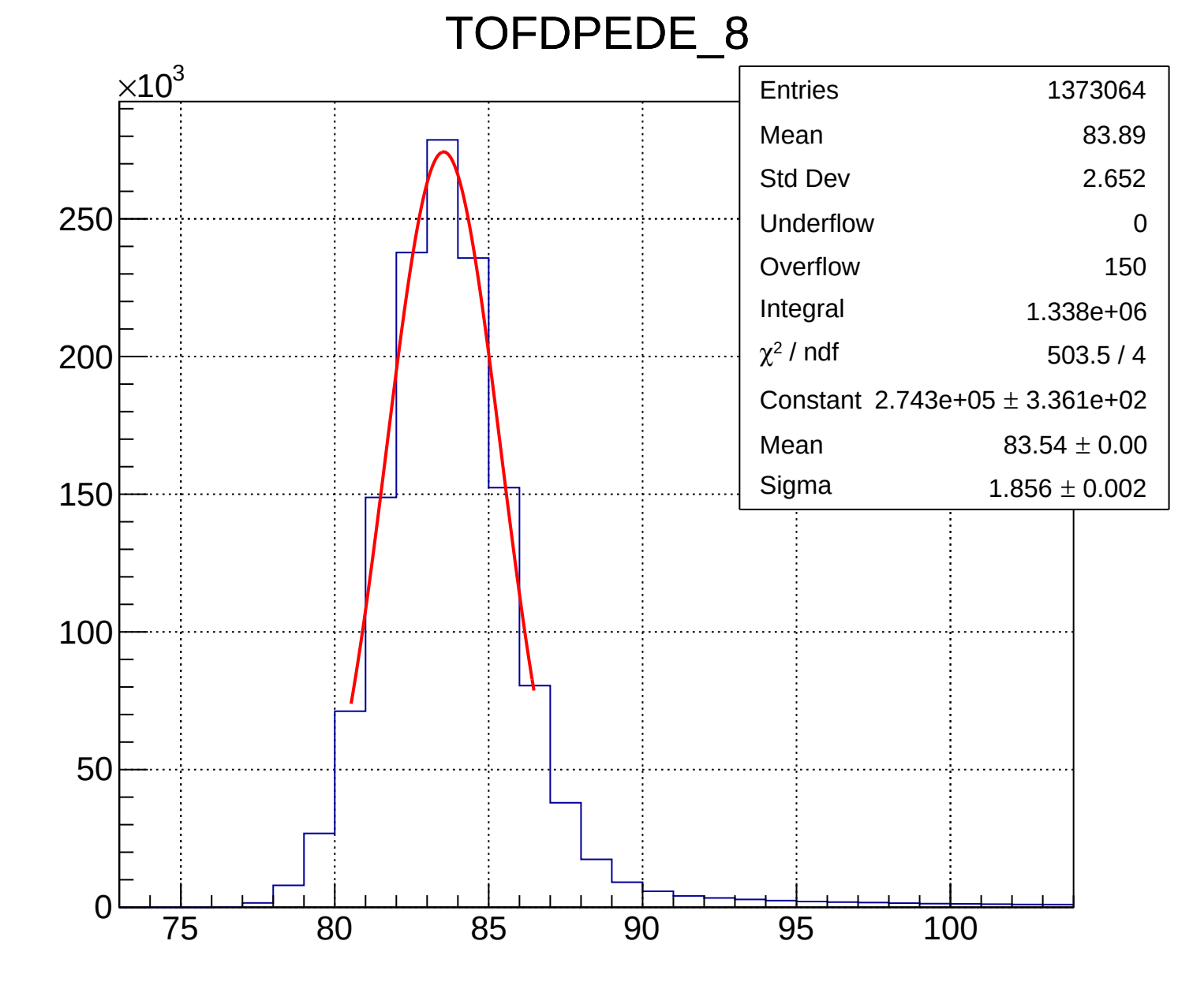

TOFDPEDE_3
×10^3
450
400
350
300
250
200
150
100
50
0
60
65
70
75
80
85
90
Entries 1407661
Mean 70.65
Std Dev 1.833
Underflow 0
Overflow 127
Integral 1.388e+06
χ² / ndf 6653 / 4
Constant 4.411e+05 ± 4.647e+02
Mean 70.48 ± 0.00
Sigma 1.224 ± 0.001

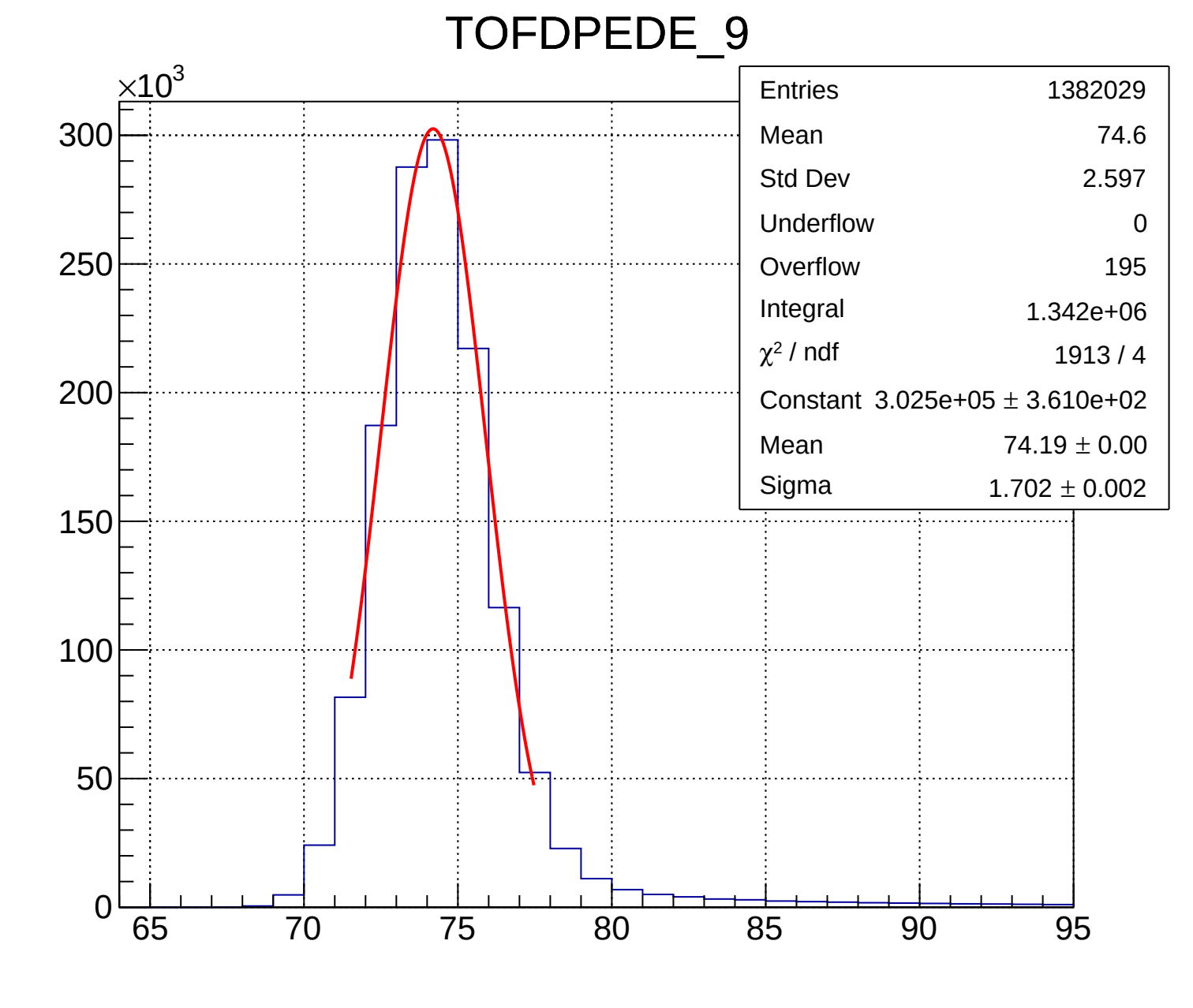

TOFDPEDE_4
×10^3
350
300
250
200
150
100
50
0
80
85
90
95
100
105
Entries 1374889
Mean 88.38
Std Dev 2.045
Underflow 0
Overflow 217
Integral 1.35e+06
χ² / ndf 1319 / 4
Constant 3.858e+05 ± 4.342e+02
Mean 88.16 ± 0.00
Sigma 1.363 ± 0.001

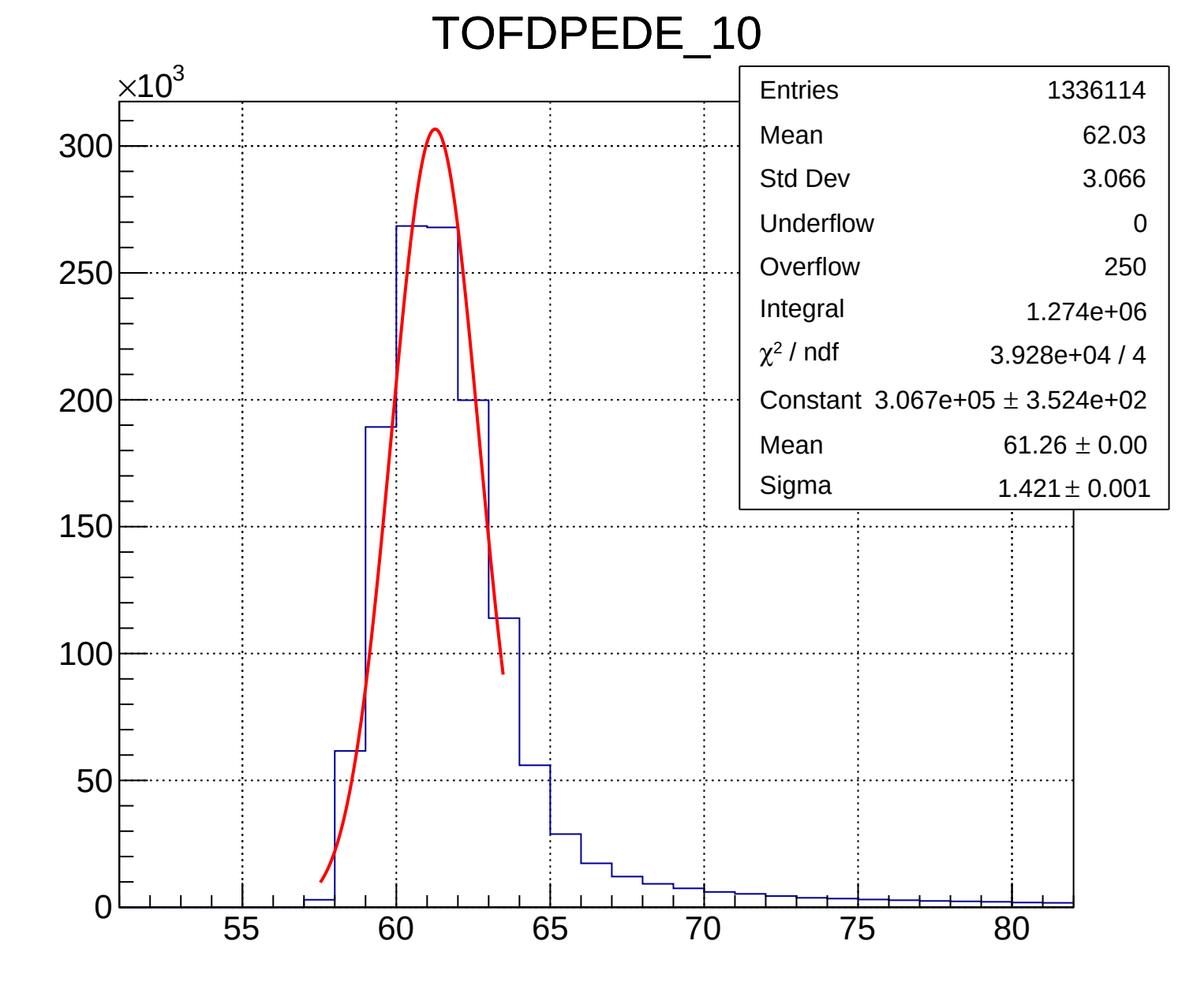

TOFDPEDE_5
×10^3
400
350
300
250
200
150
100
50
0
70
75
80
85
90
95
Entries 1342226
Mean 77.29
Std Dev 2.015
Underflow 0
Overflow 144
Integral 1.315e+06
χ² / ndf 2966 / 4
Constant 4.319e+05 ± 4.795e+02
Mean 77.02 ± 0.00
Sigma 1.171 ± 0.001

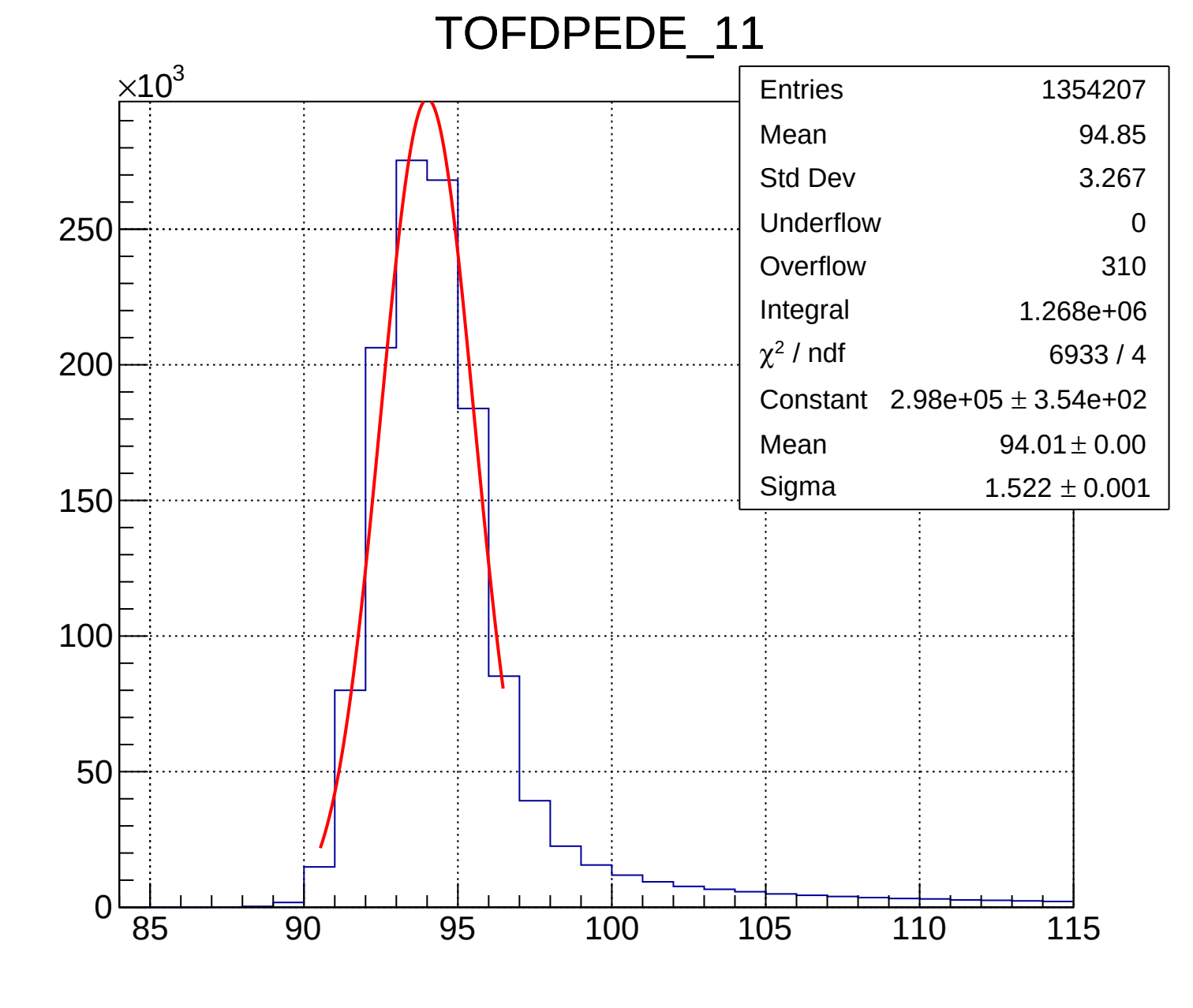

TOFDPEDE_6
×10^3
400
350
300
250
200
150
100
50
0
55
60
65
70
75
80
Entries 1338267
Mean 62.74
Std Dev 2.109
Underflow 0
Overflow 382
Integral 1.307e+06
χ² / ndf 1.915e+04 / 4
Constant 3.968e+05 ± 4.487e+02
Mean 62.45 ± 0.00
Sigma 1.249 ± 0.001

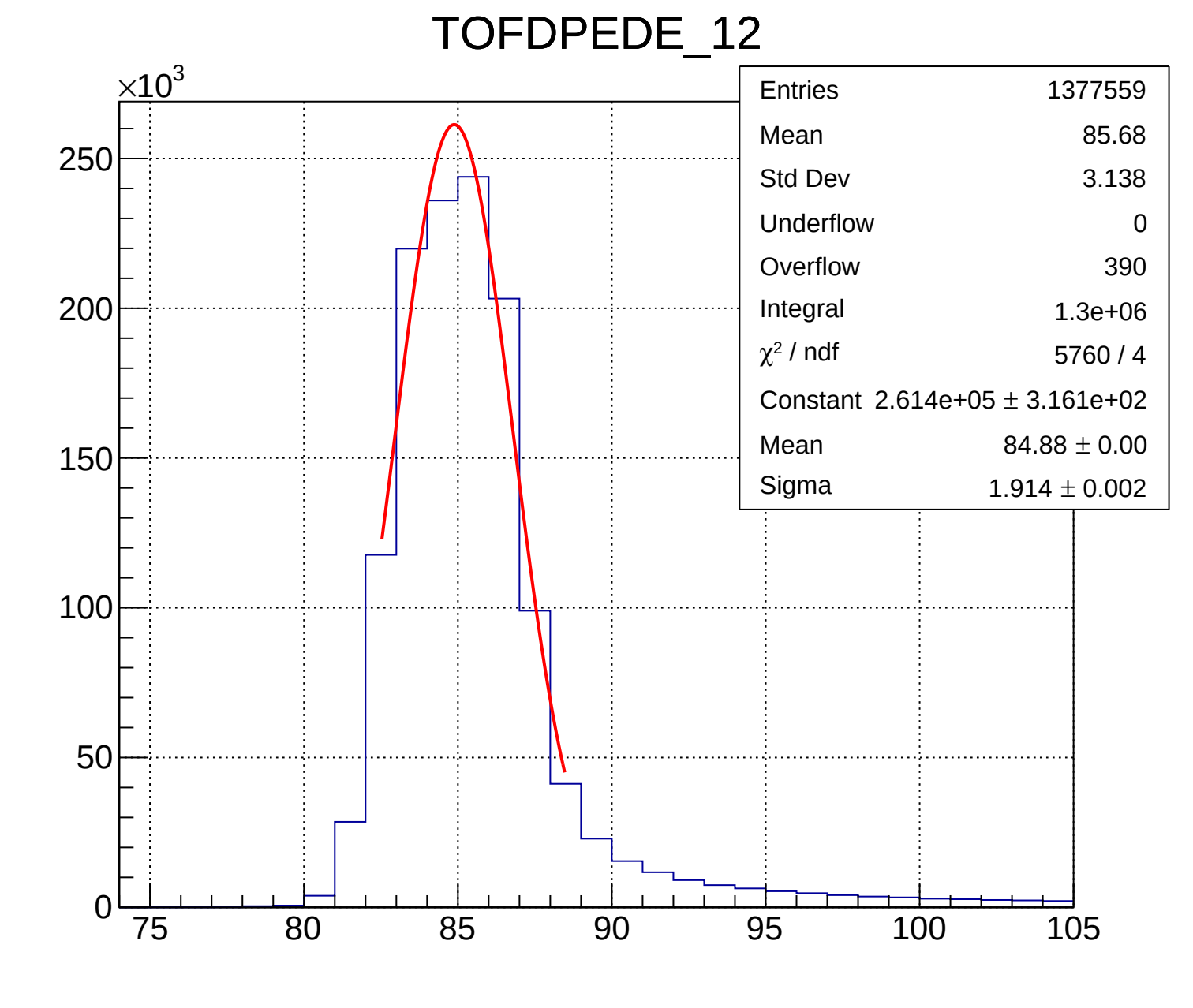

TOFDPEDE_7
×10^3
200
180
160
140
120
100
80
60
40
20
0
60
65
70
75
80
85
Entries 1393555
Mean 69.38
Std Dev 3.034
Underflow 0
Overflow 139
Integral 1.361e+06
χ² / ndf 3.222e+04 / 4
Constant 1.977e+05 ± 2.728e+02
Mean 68.13 ± 0.00
Sigma 2.083 ± 0.003

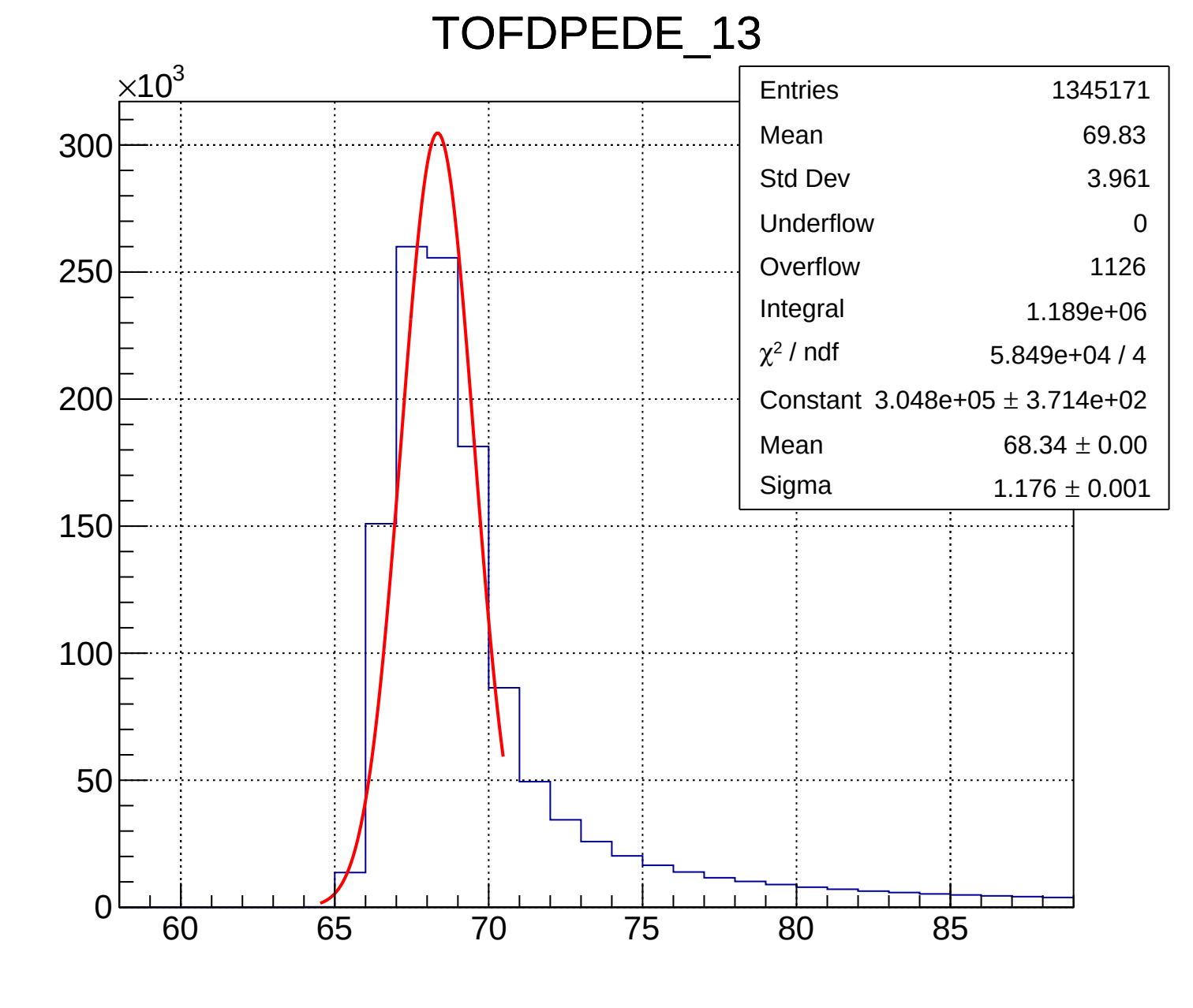

TOFDPEDE_8
×10^3
250
200
150
100
50
0
75
80
85
90
95
100
Entries 1373064
Mean 83.89
Std Dev 2.652
Underflow 0
Overflow 150
Integral 1.338e+06
χ² / ndf 503.5 / 4
Constant 2.743e+05 ± 3.361e+02
Mean 83.54 ± 0.00
Sigma 1.856 ± 0.002

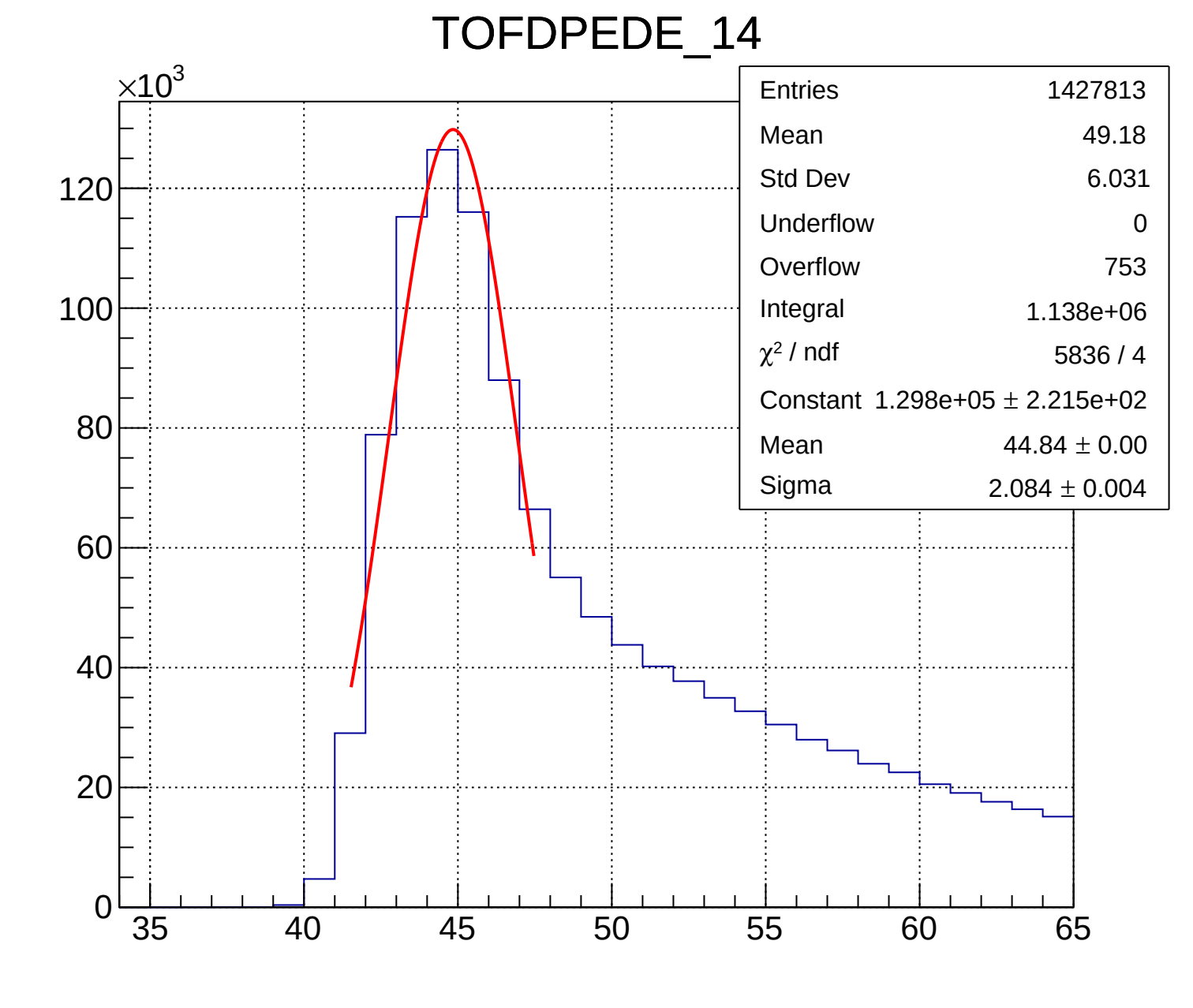

TOFDPEDE_9
×10^3
300
250
200
150
100
50
0
65
70
75
80
85
90
95
Entries 1382029
Mean 74.6
Std Dev 2.597
Underflow 0
Overflow 195
Integral 1.342e+06
χ² / ndf 1913 / 4
Constant 3.025e+05 ± 3.610e+02
Mean 74.19 ± 0.00
Sigma 1.702 ± 0.002

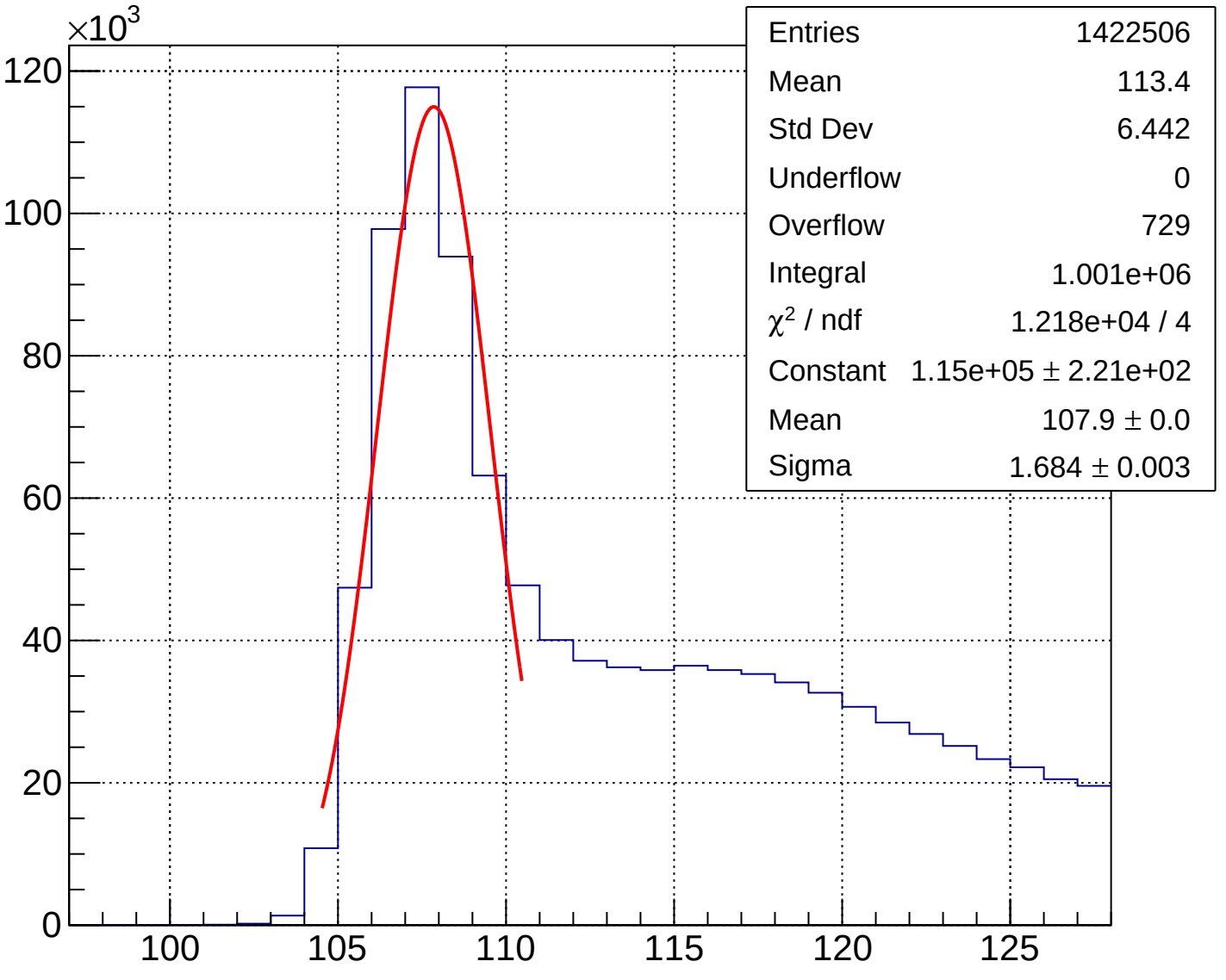

TOFDPEDE_10
×10^3
300
250
200
150
100
50
0
55
60
65
70
75
80
Entries 1336114
Mean 62.03
Std Dev 3.066
Underflow 0
Overflow 250
Integral 1.274e+06
χ² / ndf 3.928e+04 / 4
Constant 3.067e+05 ± 3.524e+02
Mean 61.26 ± 0.00
Sigma 1.421 ± 0.001

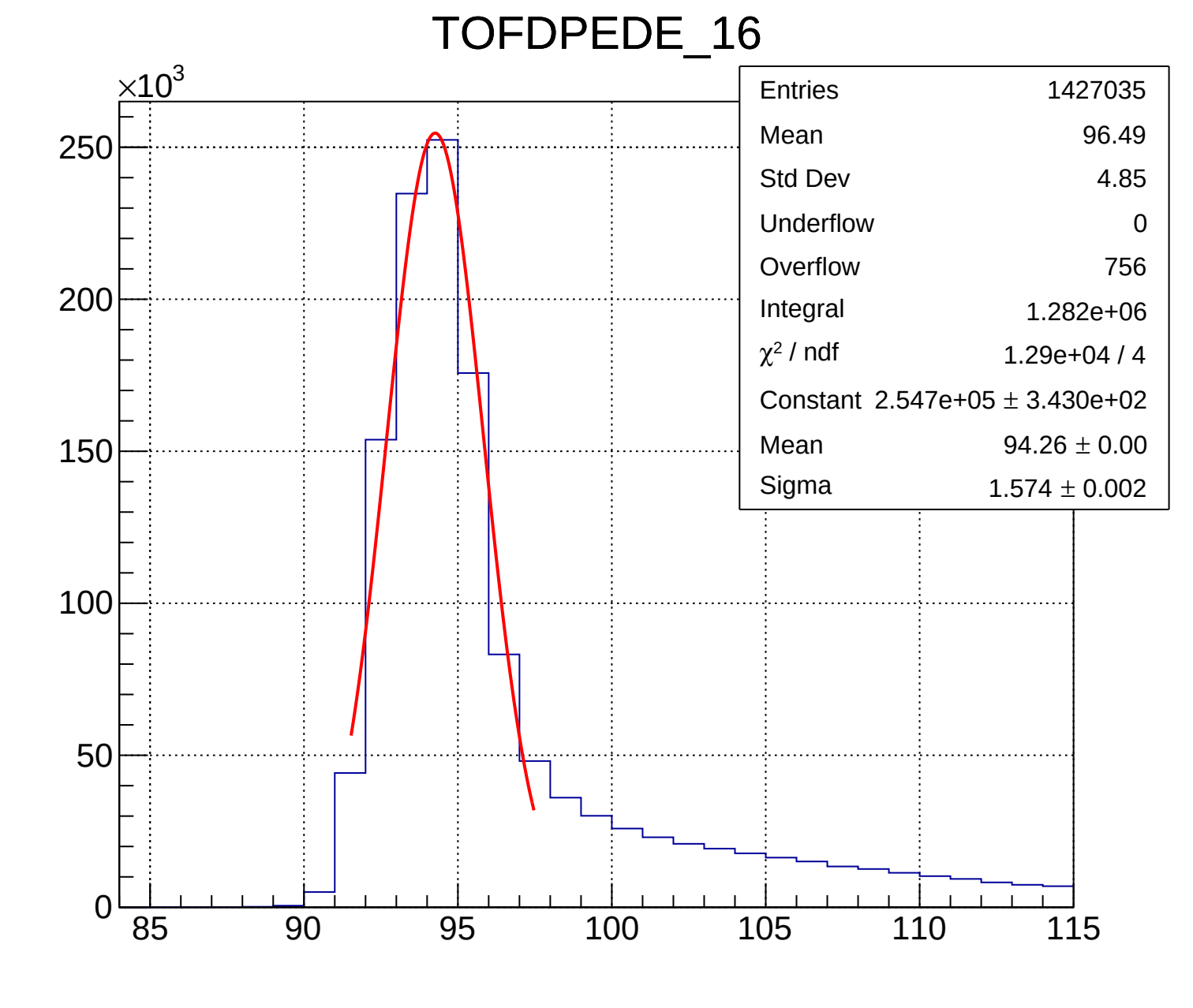

TOFDPEDE_11
×10^3
250
200
150
100
50
0
85
90
95
100
105
110
115
Entries 1354207
Mean 94.85
Std Dev 3.267
Underflow 0
Overflow 310
Integral 1.268e+06
χ² / ndf 6933 / 4
Constant 2.98e+05 ± 3.54e+02
Mean 94.01 ± 0.00
Sigma 1.522 ± 0.001

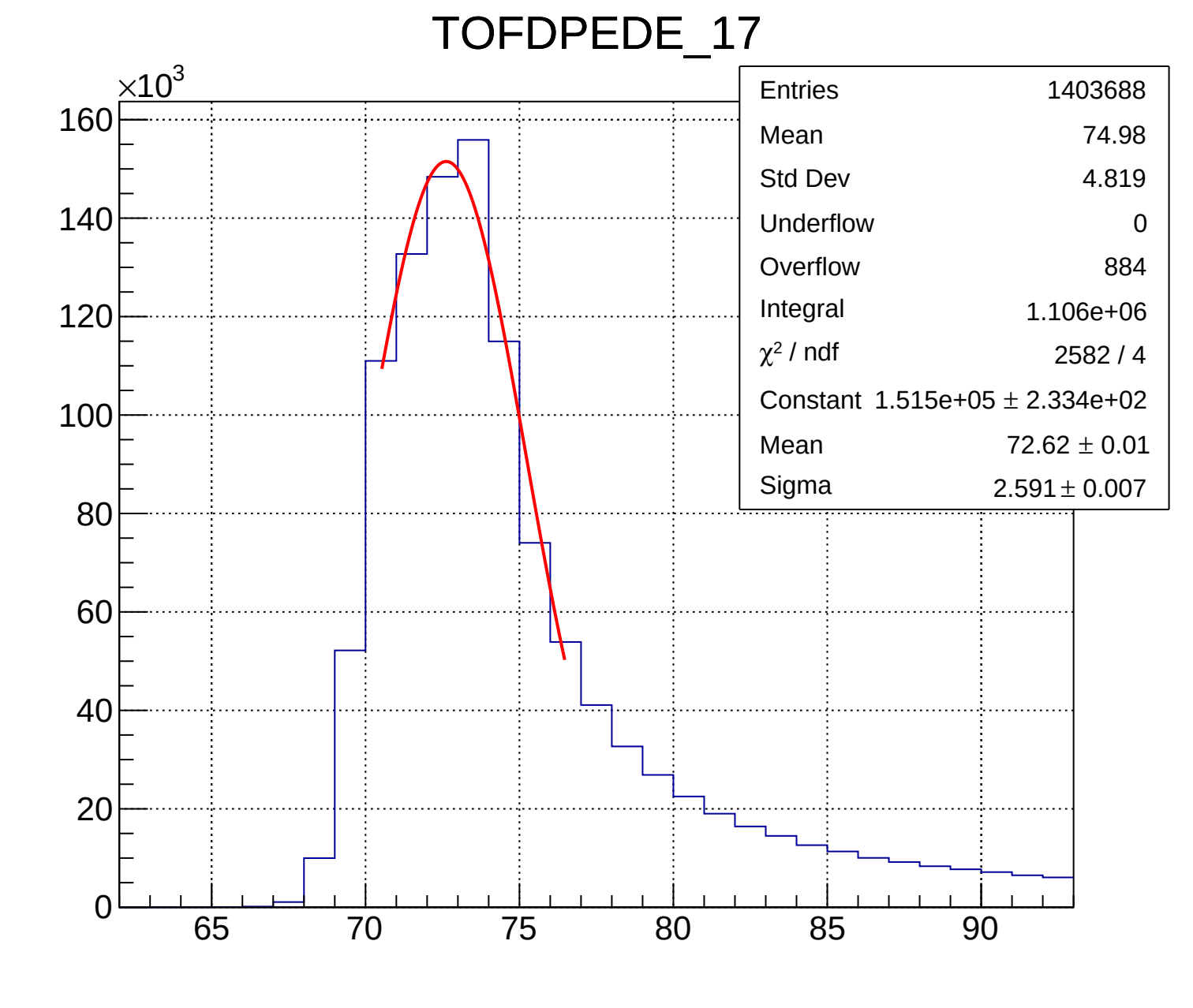

TOFDPEDE_12
×10^3
250
200
150
100
50
0
75
80
85
90
95
100
105
Entries 1377559
Mean 85.68
Std Dev 3.138
Underflow 0
Overflow 390
Integral 1.3e+06
χ² / ndf 5760 / 4
Constant 2.614e+05 ± 3.161e+02
Mean 84.88 ± 0.00
Sigma 1.914 ± 0.002

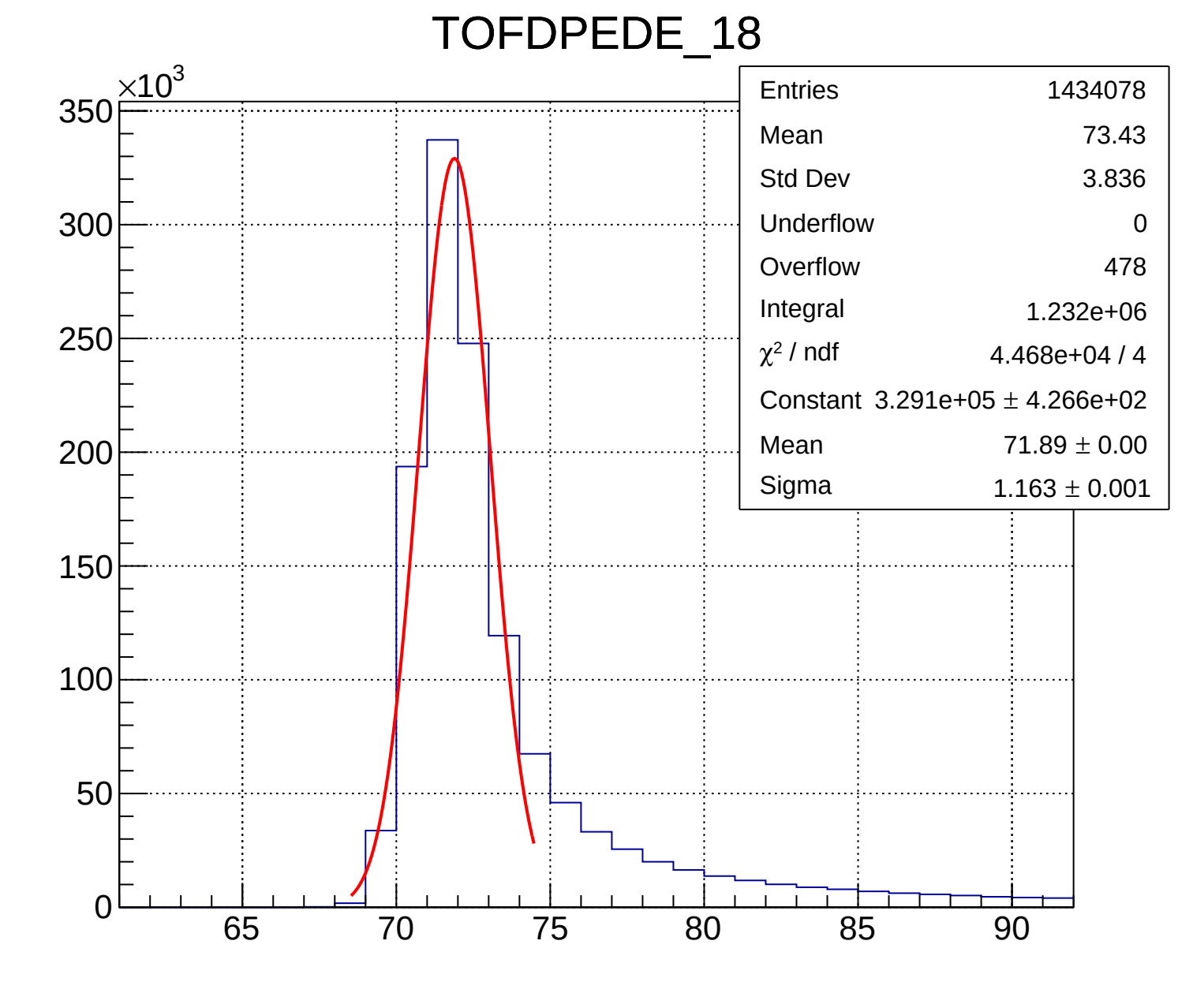

TOFDPEDE_13
×10^3
300
250
200
150
100
50
0
60
65
70
75
80
85
Entries 1345171
Mean 69.83
Std Dev 3.961
Underflow 0
Overflow 1126
Integral 1.189e+06
χ² / ndf 5.849e+04 / 4
Constant 3.048e+05 ± 3.714e+02
Mean 68.34 ± 0.00
Sigma 1.176 ± 0.001

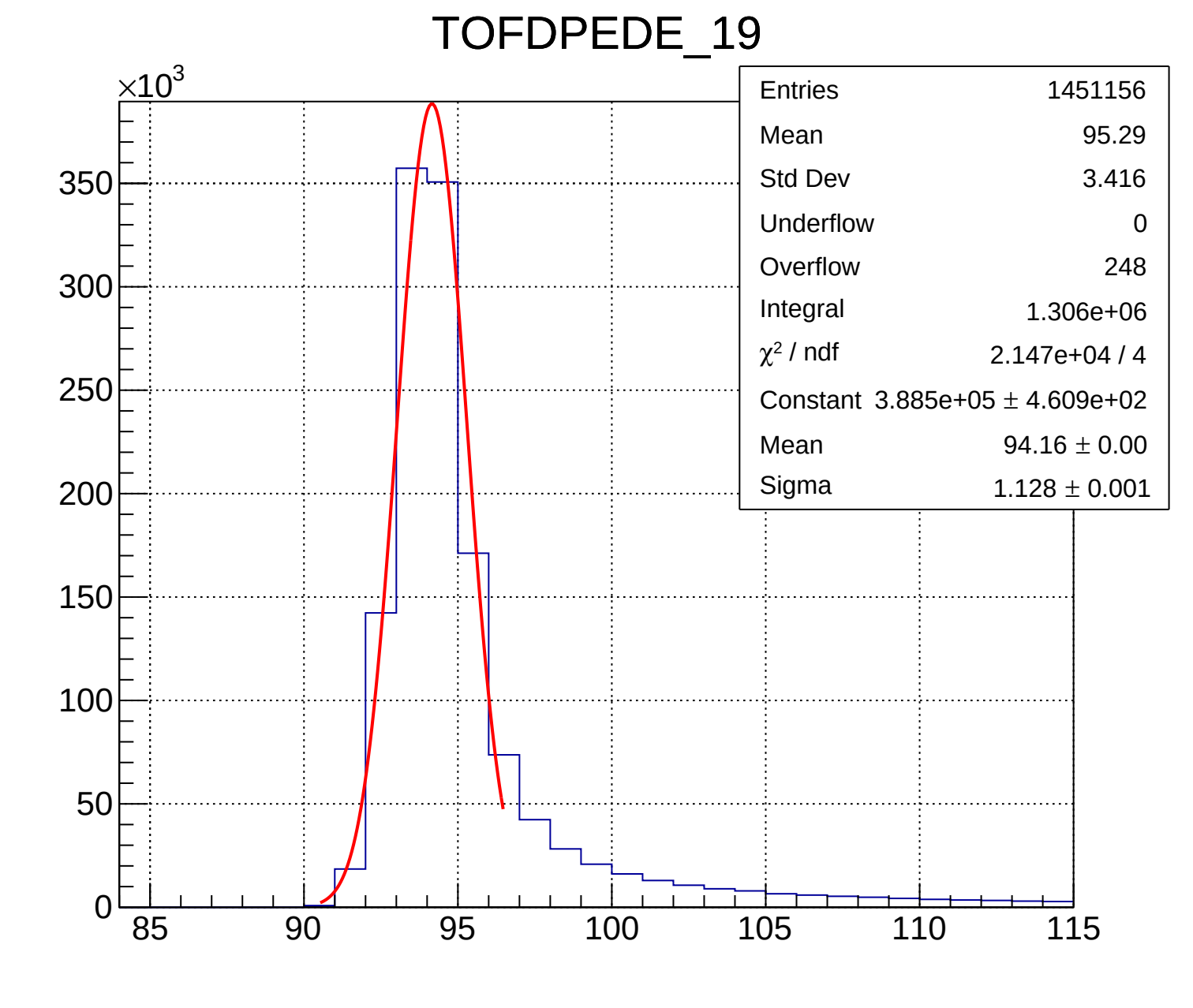

TOFDPEDE_14
×10^3
120
100
80
60
40
20
0
35
40
45
50
55
60
65
Entries 1427813
Mean 49.18
Std Dev 6.031
Underflow 0
Overflow 753
Integral 1.138e+06
χ² / ndf 5836 / 4
Constant 1.298e+05 ± 2.215e+02
Mean 44.84 ± 0.00
Sigma 2.084 ± 0.004

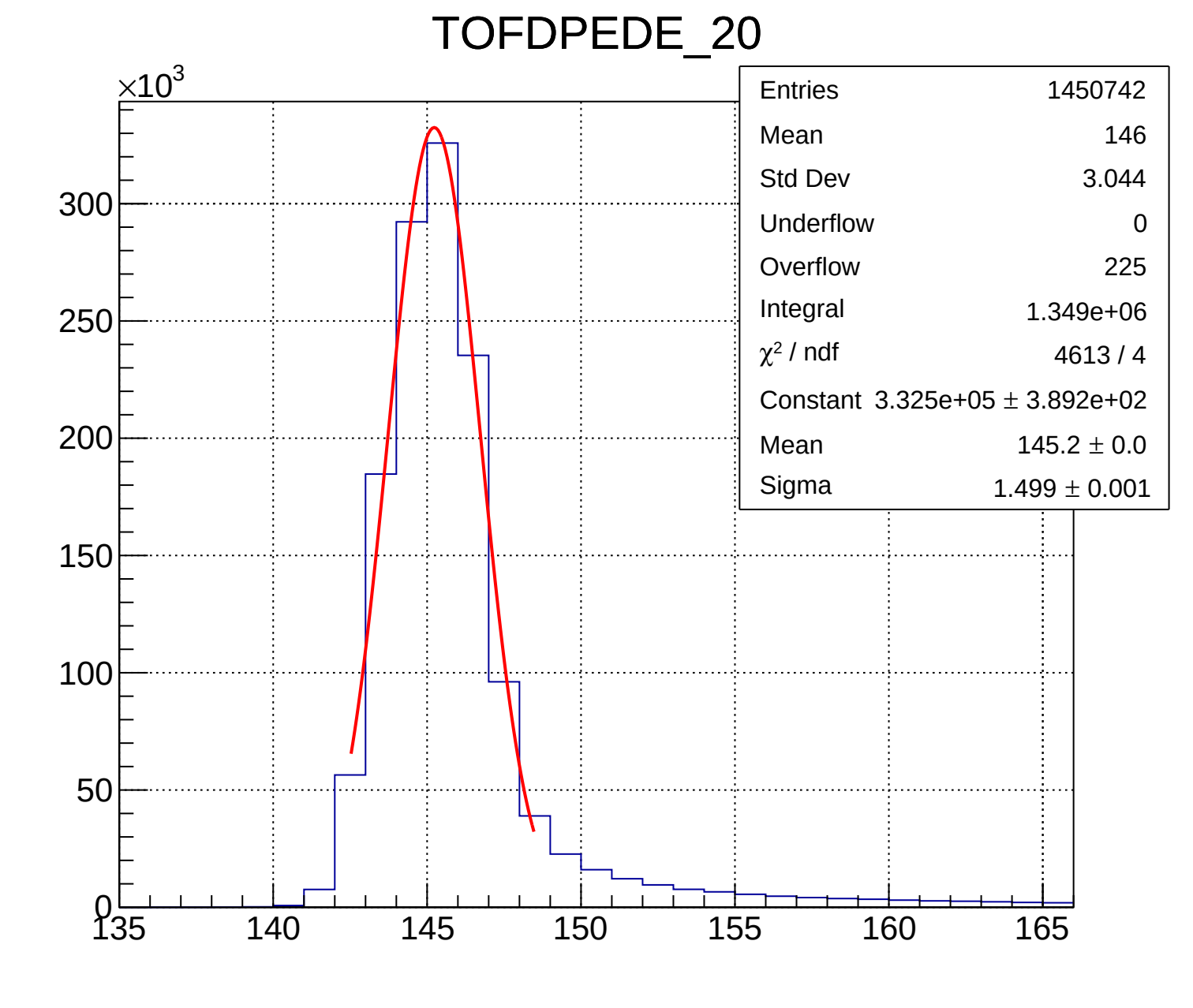

TOFDPEDE_15
×10^3
120
100
80
60
40
20
0
100
105
110
115
120
125
Entries 1422506
Mean 113.4
Std Dev 6.442
Underflow 0
Overflow 729
Integral 1.001e+06
χ² / ndf 1.218e+04 / 4
Constant 1.15e+05 ± 2.21e+02
Mean 107.9 ± 0.0
Sigma 1.684 ± 0.003

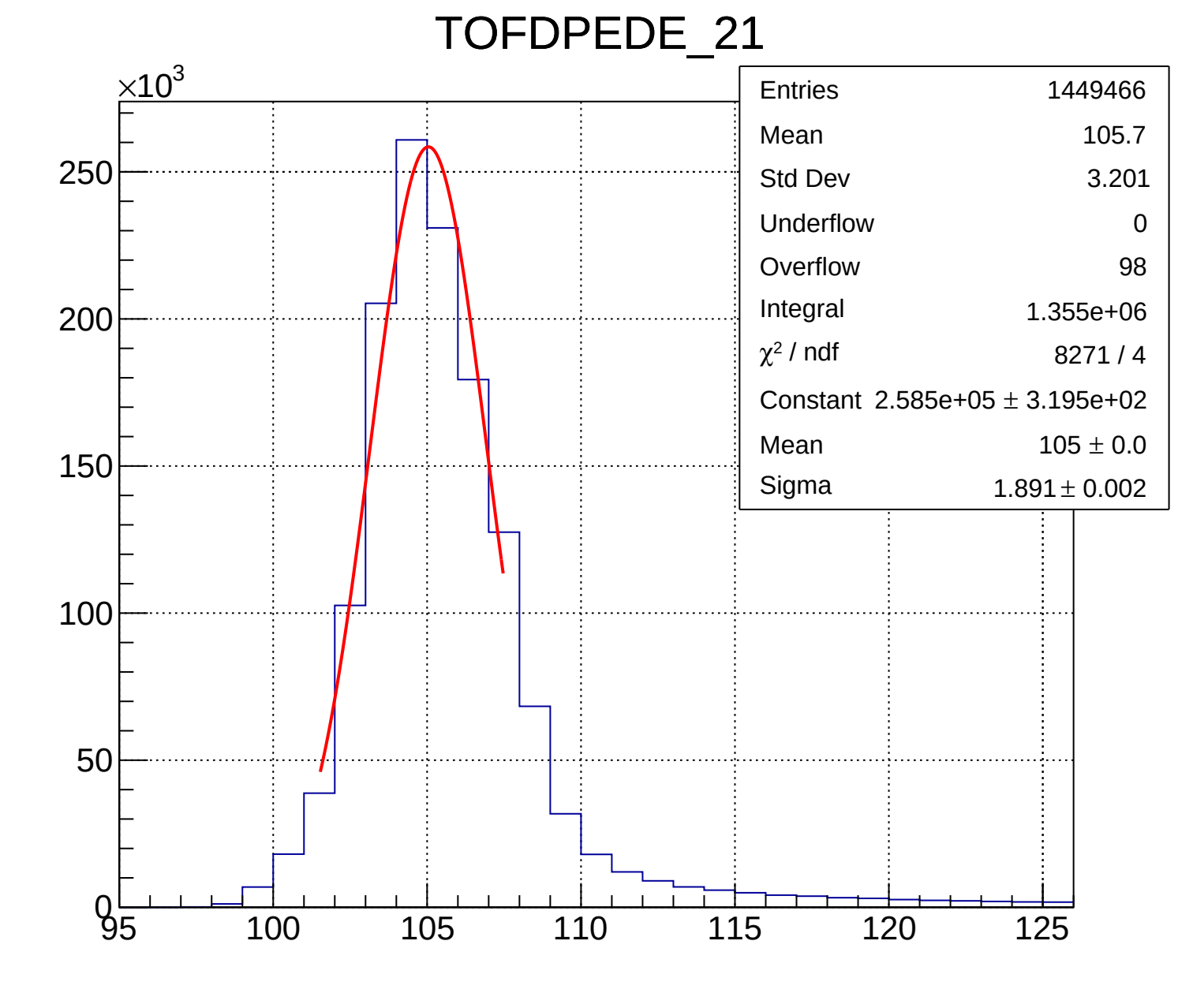

TOFDPEDE_16
×10^3
250
200
150
100
50
0
85
90
95
100
105
110
115
Entries 1427035
Mean 96.49
Std Dev 4.85
Underflow 0
Overflow 756
Integral 1.282e+06
χ² / ndf 1.29e+04 / 4
Constant 2.547e+05 ± 3.430e+02
Mean 94.26 ± 0.00
Sigma 1.574 ± 0.002

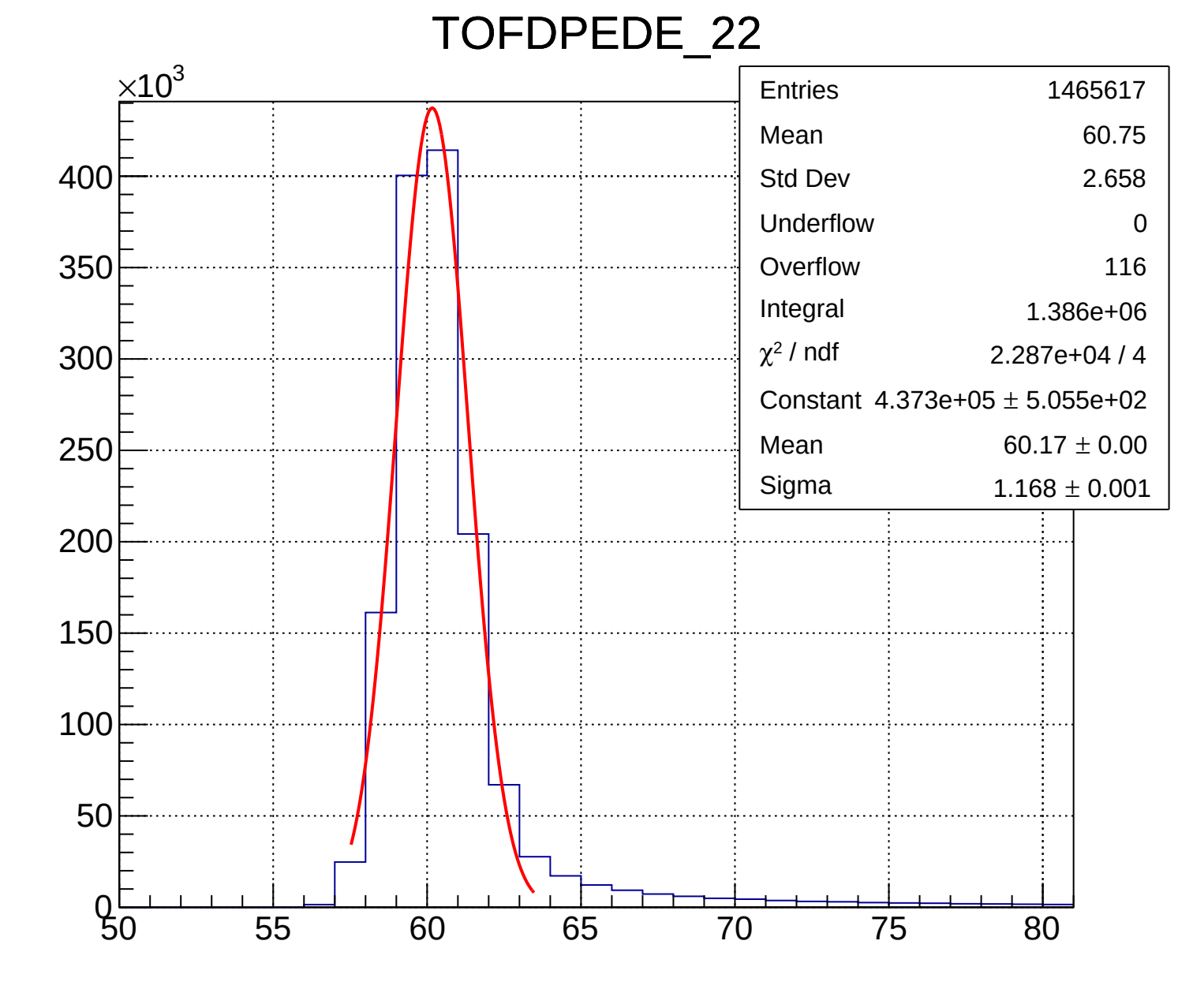

TOFDPEDE_17
×10^3
160
140
120
100
80
60
40
20
0
65
70
75
80
85
90
Entries 1403688
Mean 74.98
Std Dev 4.819
Underflow 0
Overflow 884
Integral 1.106e+06
χ² / ndf 2582 / 4
Constant 1.515e+05 ± 2.334e+02
Mean 72.62 ± 0.01
Sigma 2.591 ± 0.007

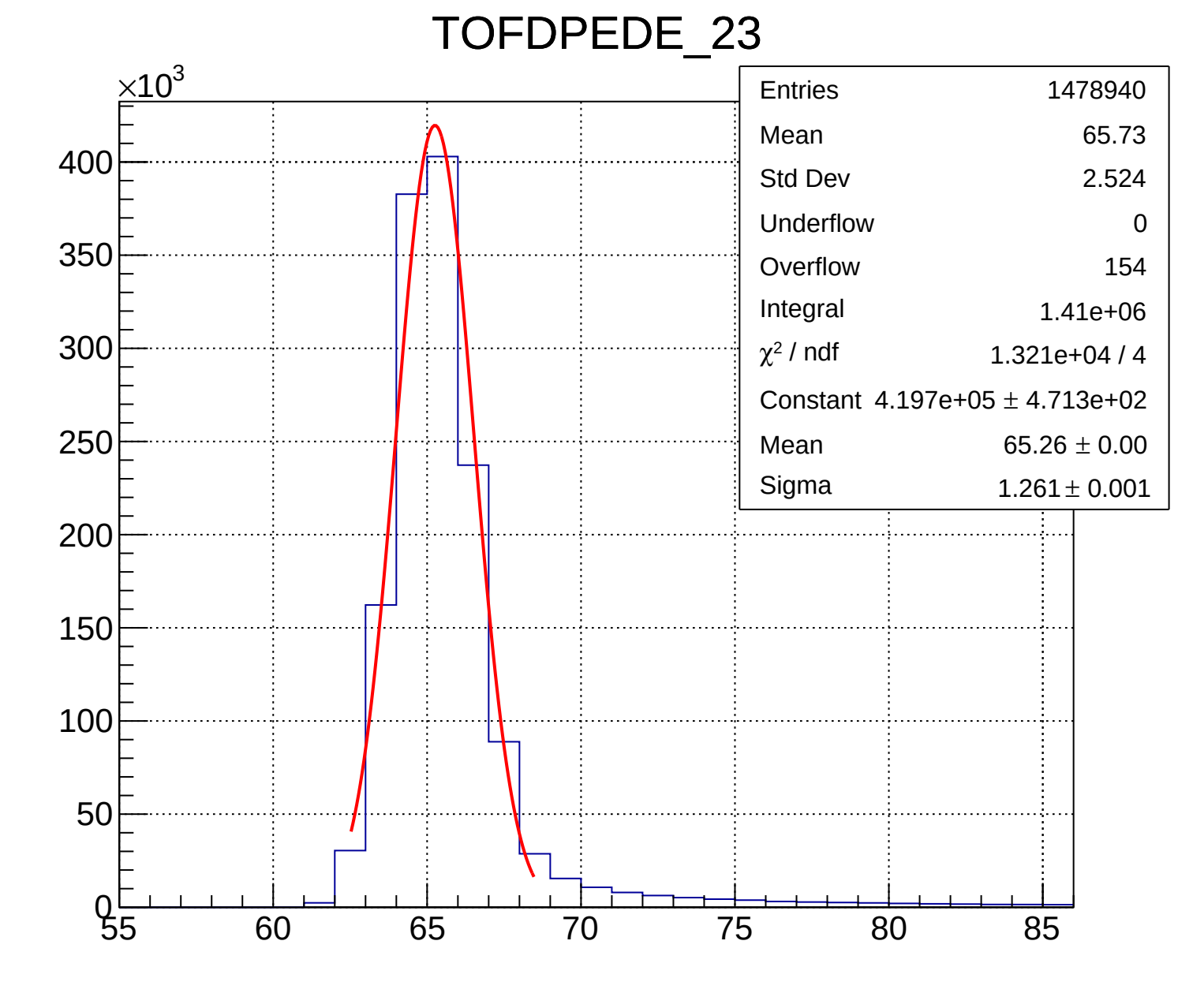

TOFDPEDE_18
×10^3
350
300
250
200
150
100
50
0
65
70
75
80
85
90
Entries 1434078
Mean 73.43
Std Dev 3.836
Underflow 0
Overflow 478
Integral 1.232e+06
χ² / ndf 4.468e+04 / 4
Constant 3.291e+05 ± 4.266e+02
Mean 71.89 ± 0.00
Sigma 1.163 ± 0.001

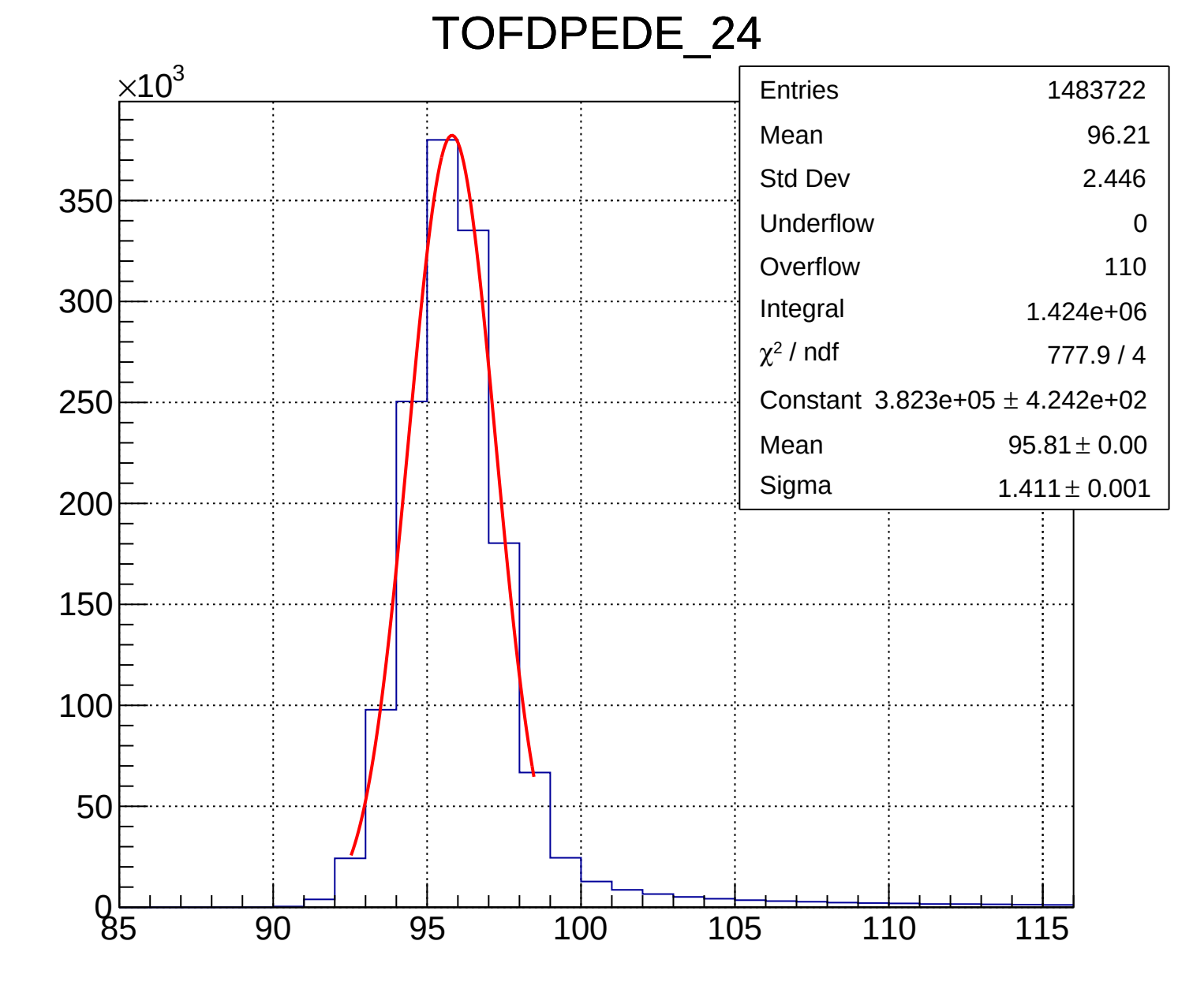

TOFDPEDE_19
×10^3
350
300
250
200
150
100
50
0
85
90
95
100
105
110
115
Entries 1451156
Mean 95.29
Std Dev 3.416
Underflow 0
Overflow 248
Integral 1.306e+06
χ² / ndf 2.147e+04 / 4
Constant 3.885e+05 ± 4.609e+02
Mean 94.16 ± 0.00
Sigma 1.128 ± 0.001

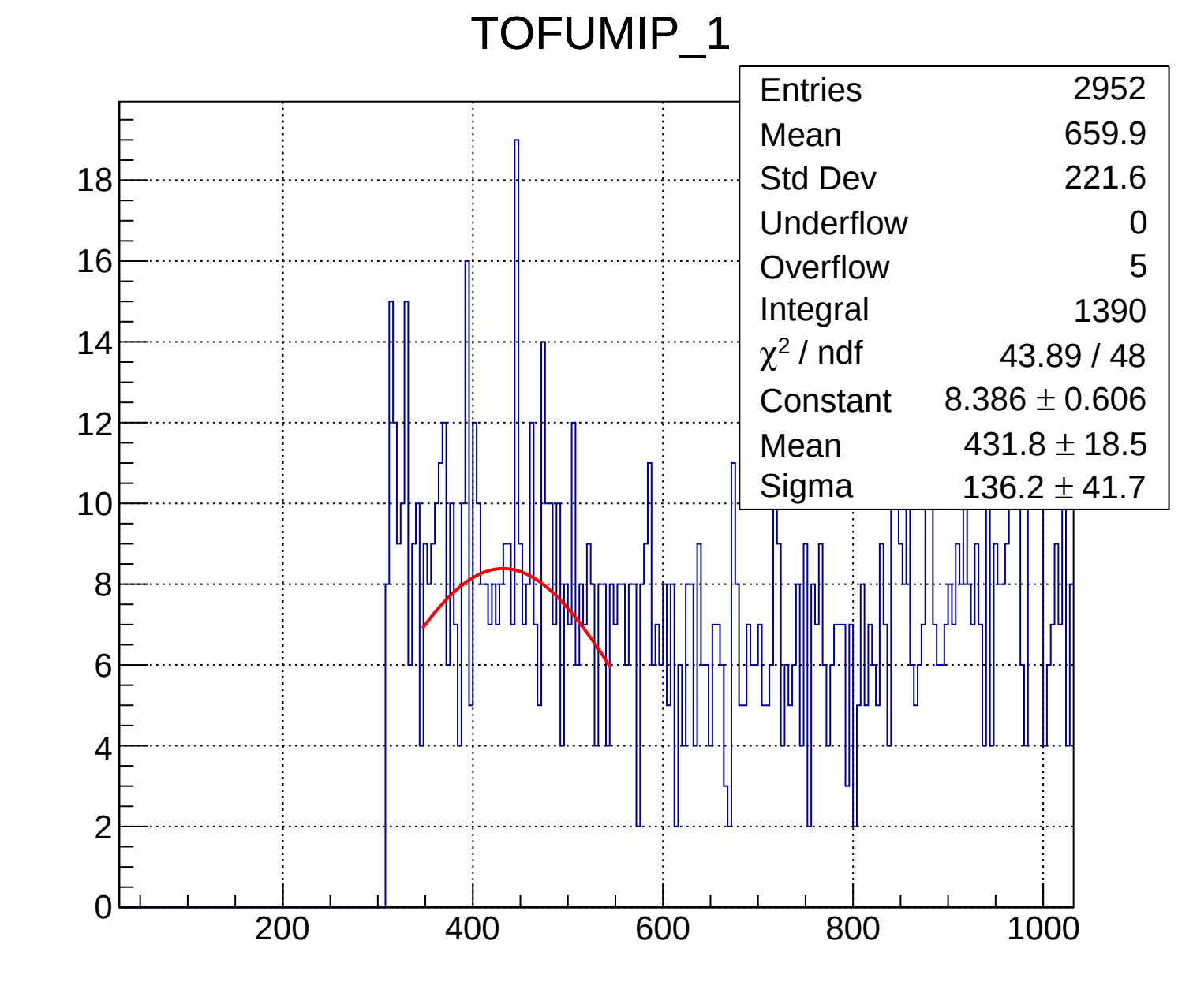

TOFDPEDE_20
×10^3
300
250
200
150
100
50
0
135
140
145
150
155
160
165
Entries 1450742
Mean 146
Std Dev 3.044
Underflow 0
Overflow 225
Integral 1.349e+06
χ² / ndf 4613 / 4
Constant 3.325e+05 ± 3.892e+02
Mean 145.2 ± 0.0
Sigma 1.499 ± 0.001

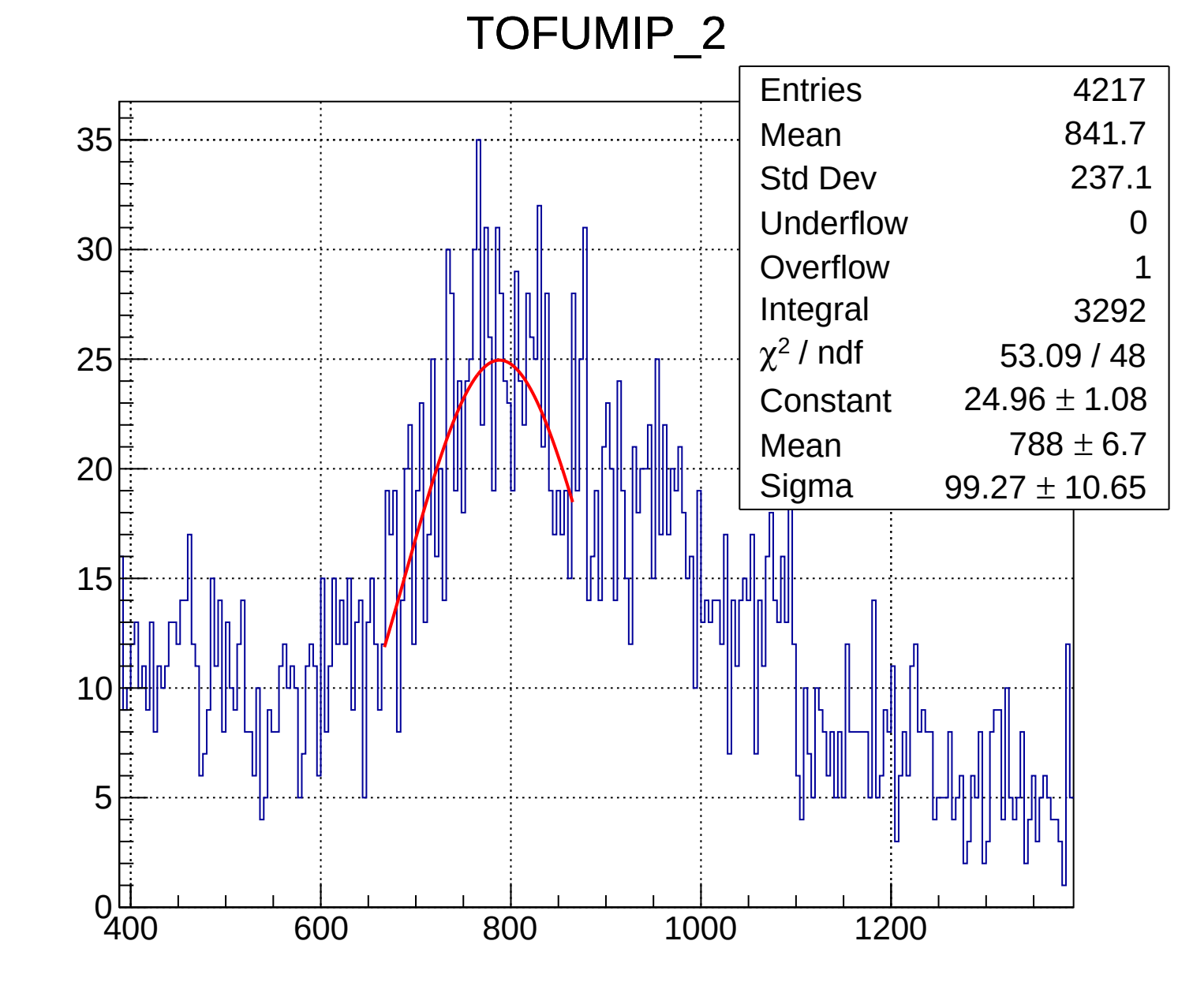

TOFDPEDE_21
×10^3
250
200
150
100
50
0
95
100
105
110
115
120
125
Entries 1449466
Mean 105.7
Std Dev 3.201
Underflow 0
Overflow 98
Integral 1.355e+06
χ² / ndf 8271 / 4
Constant 2.585e+05 ± 3.195e+02
Mean 105 ± 0.0
Sigma 1.891 ± 0.002

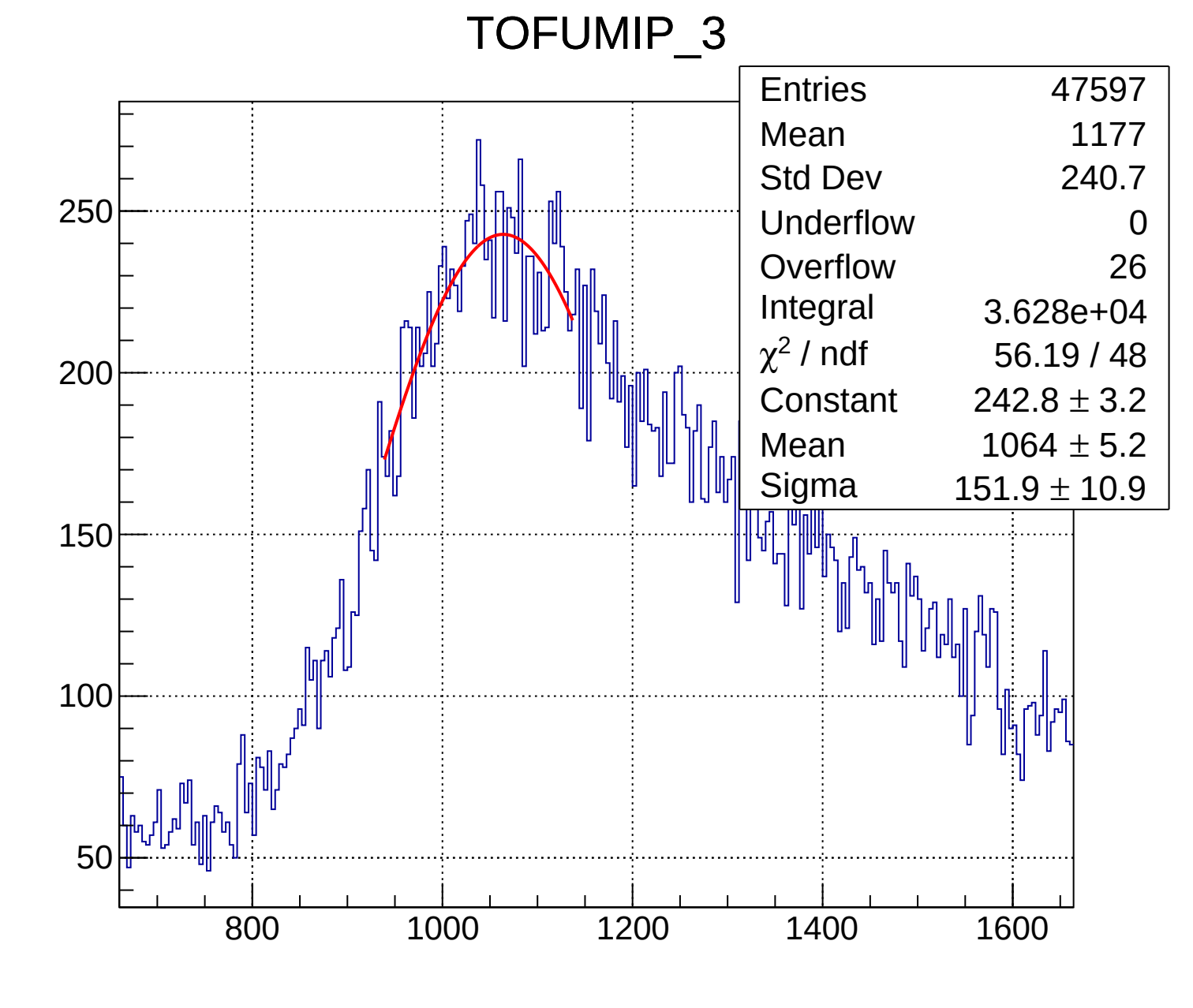

TOFDPEDE_22
×10^3
400
350
300
250
200
150
100
50
0
50
55
60
65
70
75
80
Entries 1465617
Mean 60.75
Std Dev 2.658
Underflow 0
Overflow 116
Integral 1.386e+06
χ² / ndf 2.287e+04 / 4
Constant 4.373e+05 ± 5.055e+02
Mean 60.17 ± 0.00
Sigma 1.168 ± 0.001

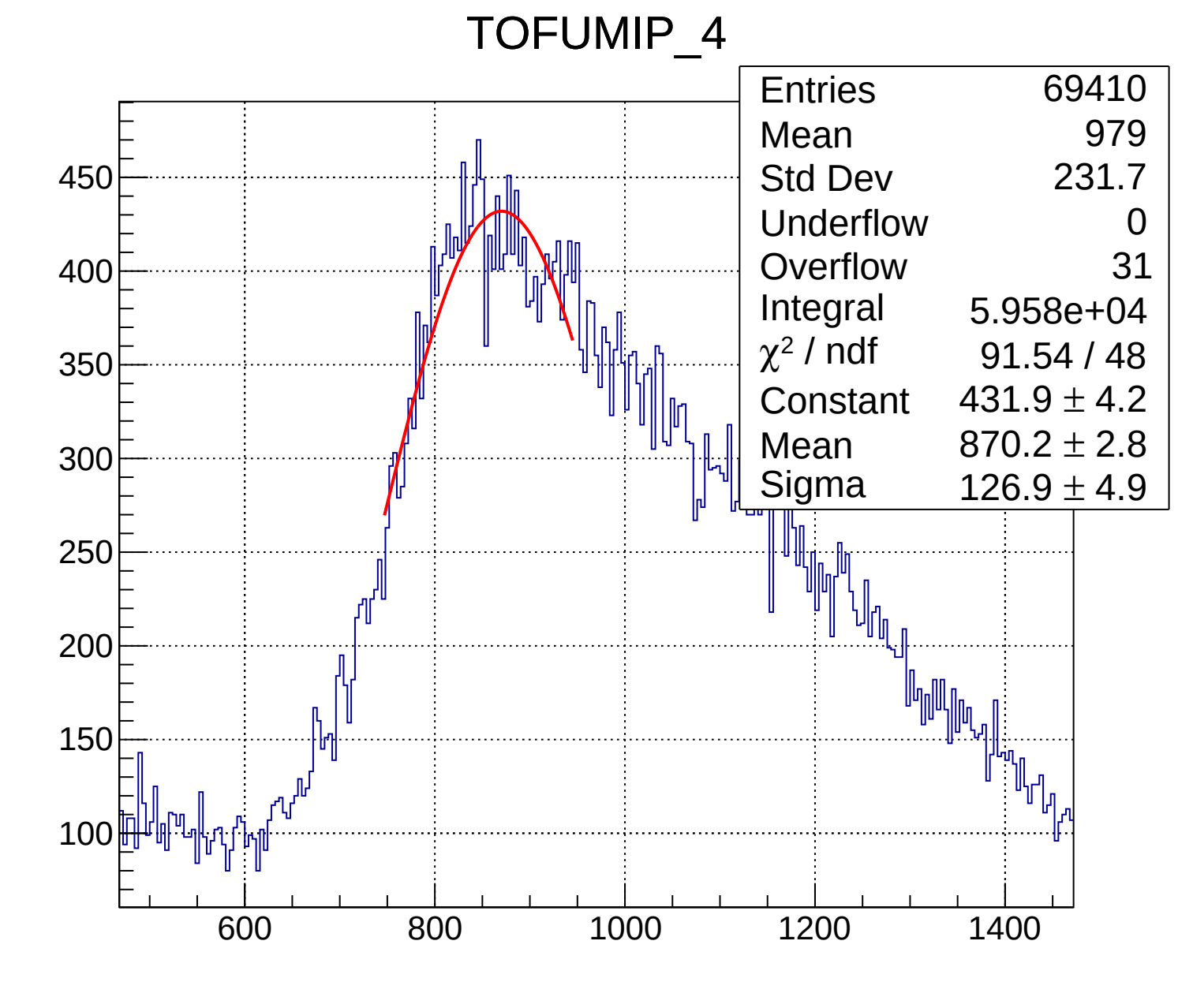

TOFDPEDE_23
×10^3
400
350
300
250
200
150
100
50
0
55
60
65
70
75
80
85
Entries 1478940
Mean 65.73
Std Dev 2.524
Underflow 0
Overflow 154
Integral 1.41e+06
χ² / ndf 1.321e+04 / 4
Constant 4.197e+05 ± 4.713e+02
Mean 65.26 ± 0.00
Sigma 1.261 ± 0.001

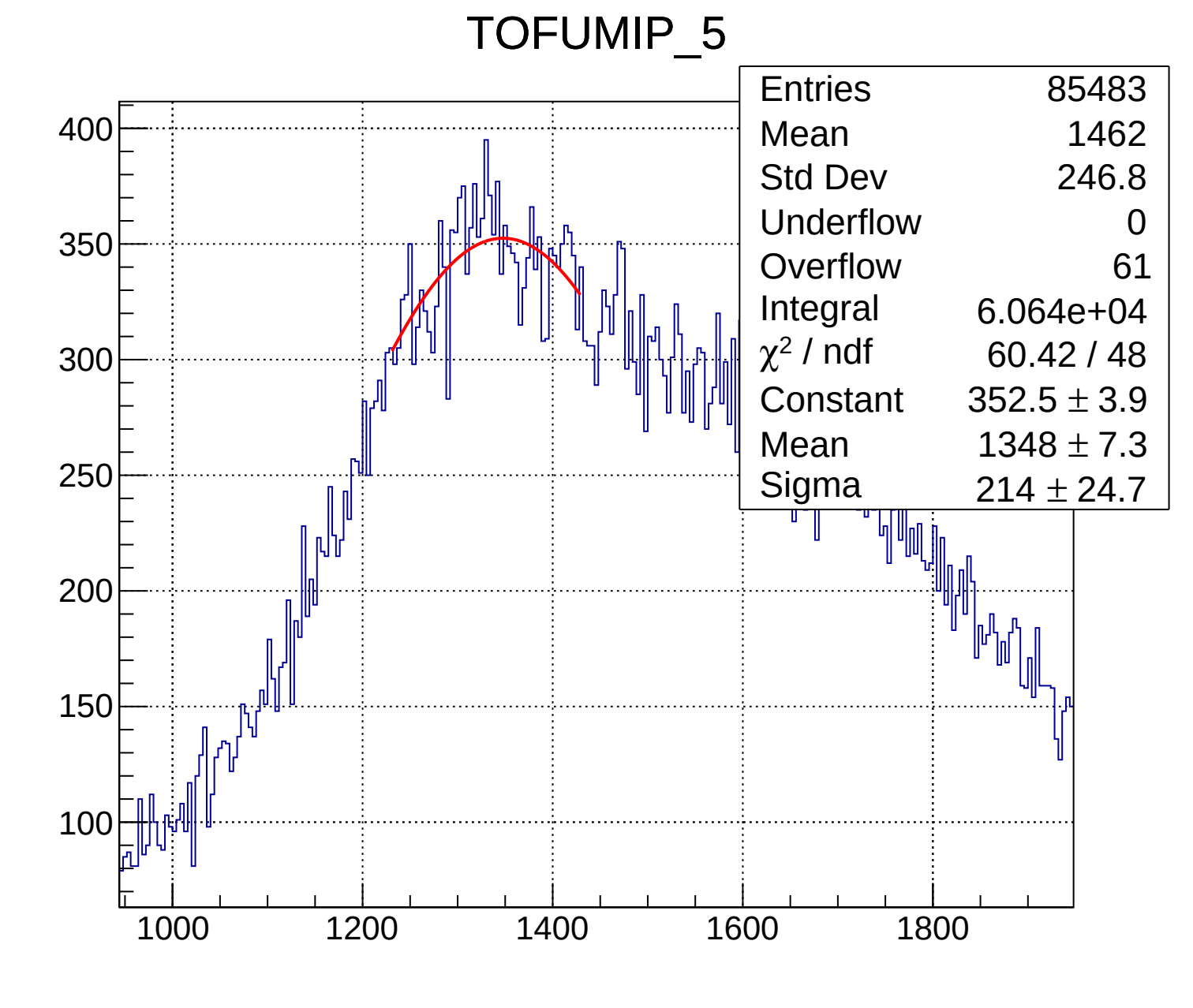

TOFDPEDE_24
×10^3
350
300
250
200
150
100
50
0
85
90
95
100
105
110
115
Entries 1483722
Mean 96.21
Std Dev 2.446
Underflow 0
Overflow 110
Integral 1.424e+06
χ² / ndf 777.9 / 4
Constant 3.823e+05 ± 4.242e+02
Mean 95.81 ± 0.00
Sigma 1.411 ± 0.001

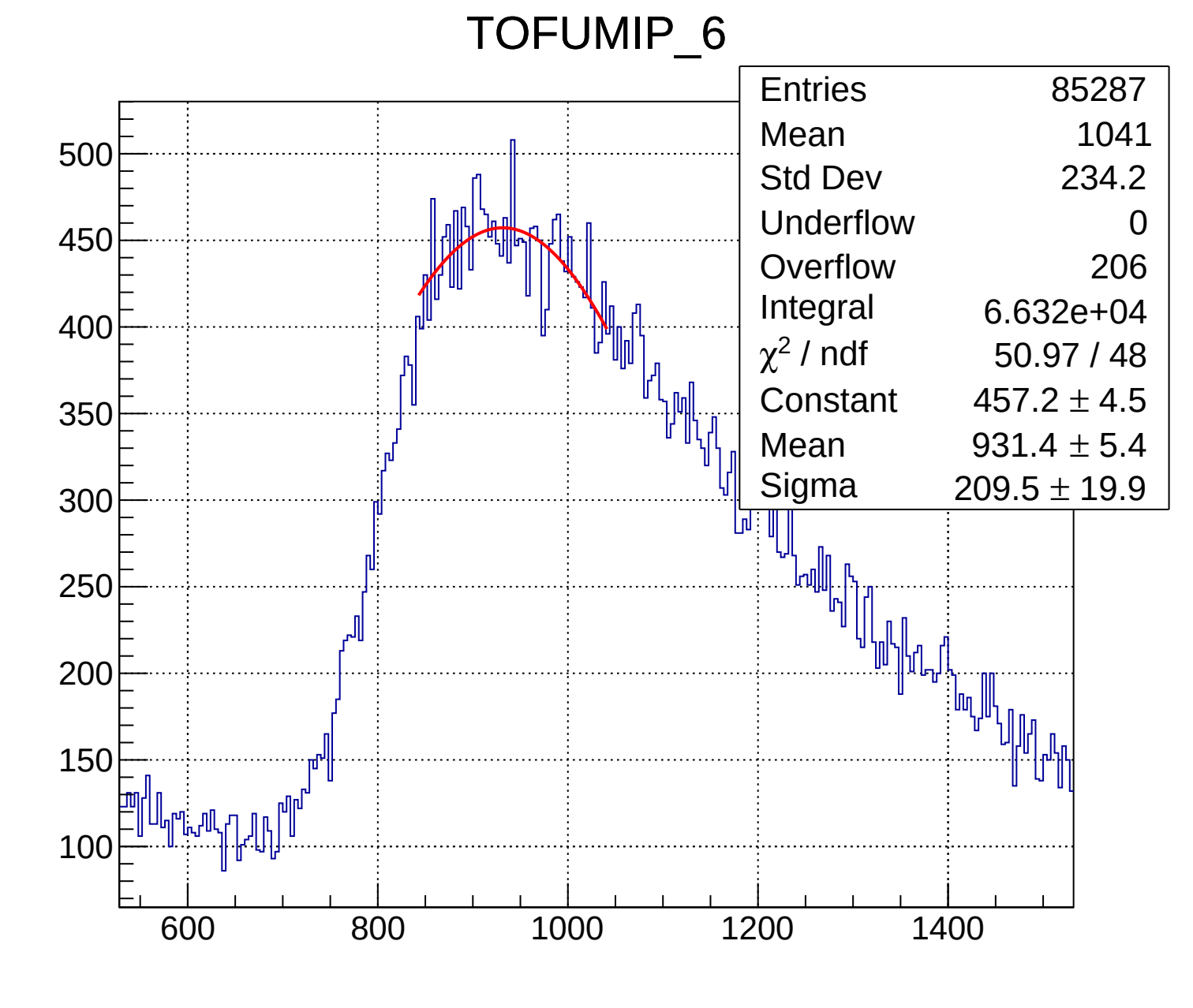

TOFUMIP_1
Entries 2952
Mean 659.9
Std Dev 221.6
Underflow 0
Overflow 5
Integral 1390
χ² / ndf 43.89 / 48
Constant 8.386 ± 0.606
Mean 431.8 ± 18.5
Sigma 136.2 ± 41.7
0
2
4
6
8
10
12
14
16
18
200
400
600
800
1000

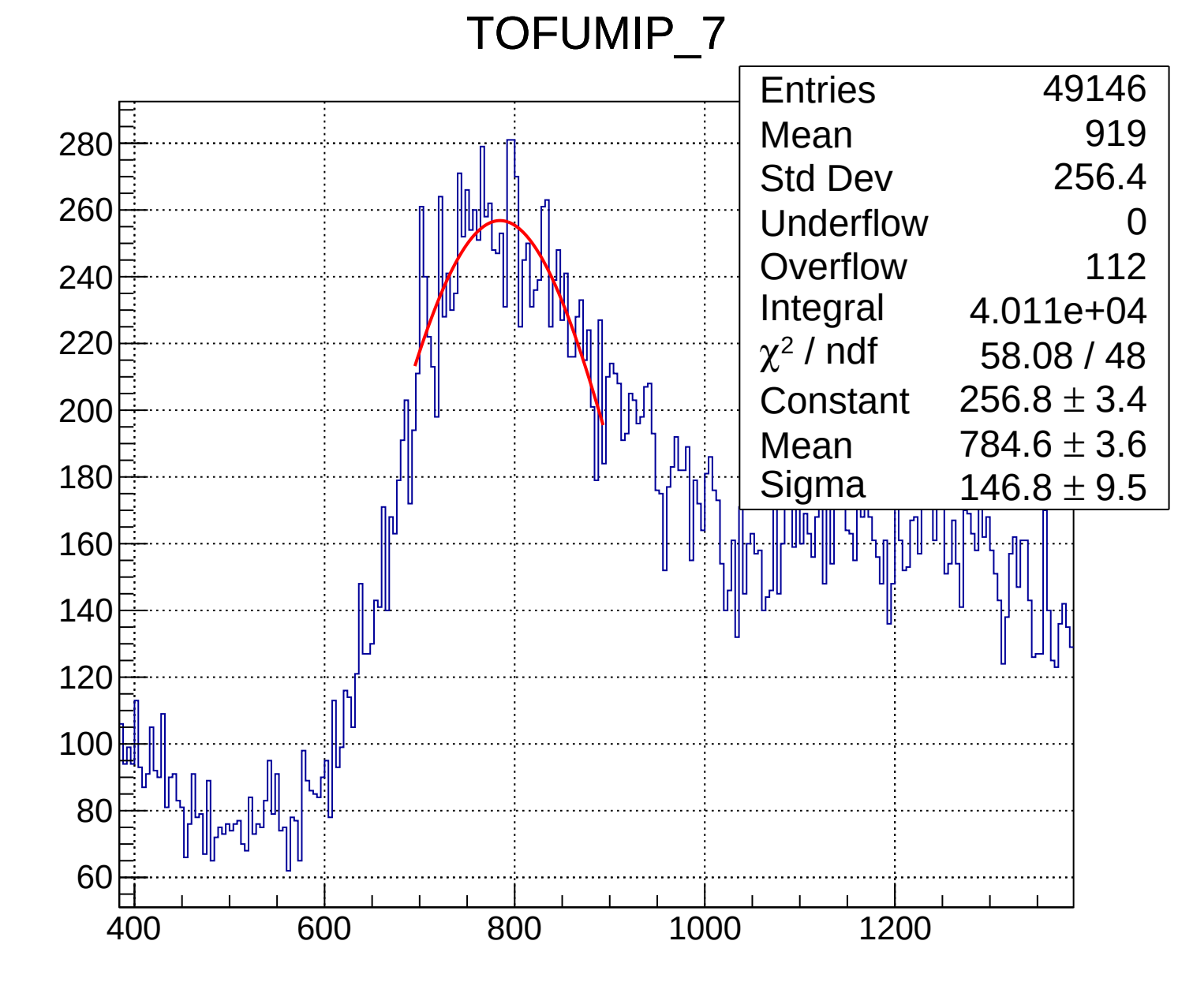

TOFUMIP_2
Entries 4217
Mean 841.7
Std Dev 237.1
Underflow 0
Overflow 1
Integral 3292
χ² / ndf 53.09 / 48
Constant 24.96 ± 1.08
Mean 788 ± 6.7
Sigma 99.27 ± 10.65
0
5
10
15
20
25
30
35
400
600
800
1000
1200

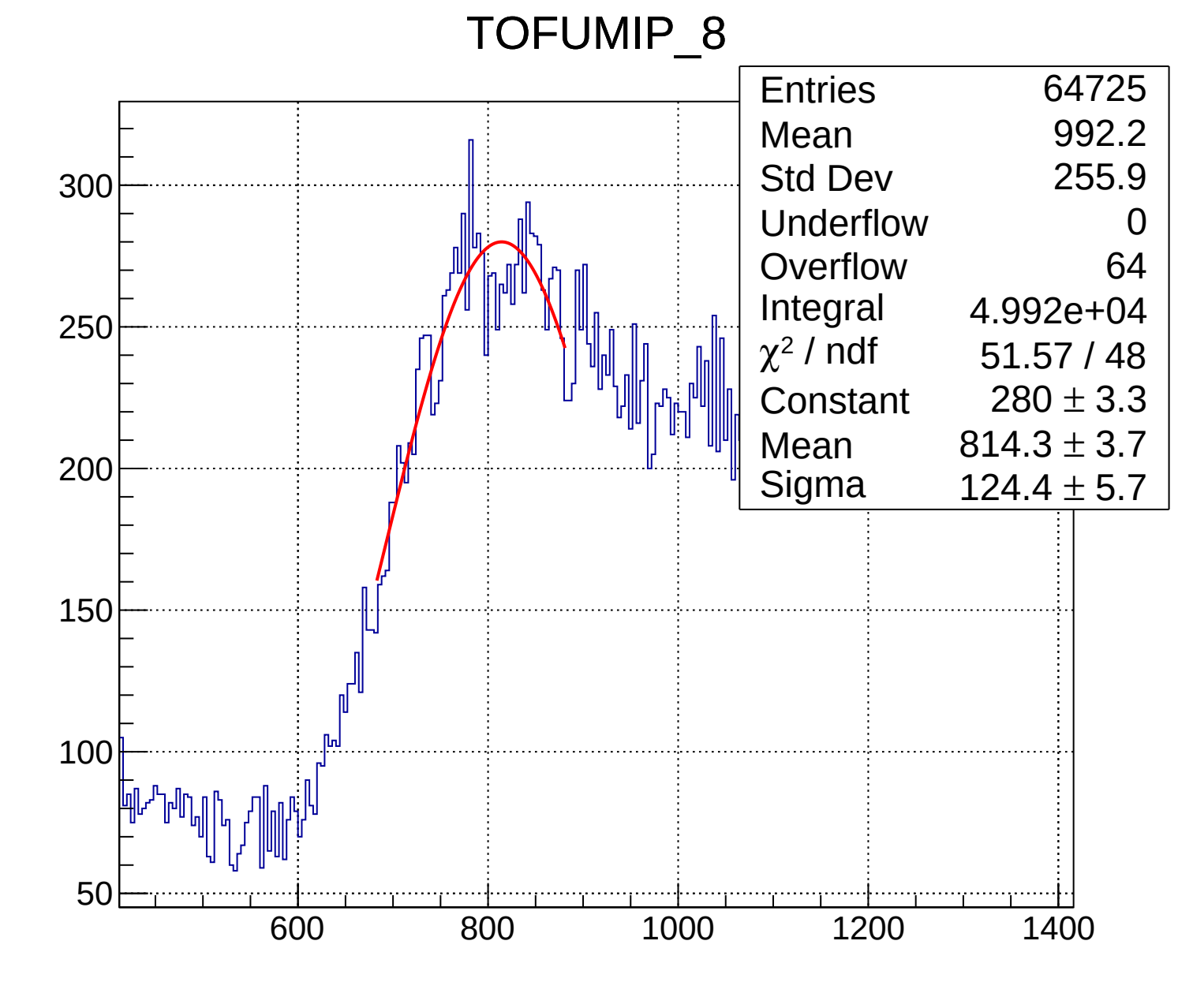

TOFUMIP_3
Entries 47597
Mean 1177
Std Dev 240.7
Underflow 0
Overflow 26
Integral 3.628e+04
χ² / ndf 56.19 / 48
Constant 242.8 ± 3.2
Mean 1064 ± 5.2
Sigma 151.9 ± 10.9
250
200
150
100
50
800
1000
1200
1400
1600

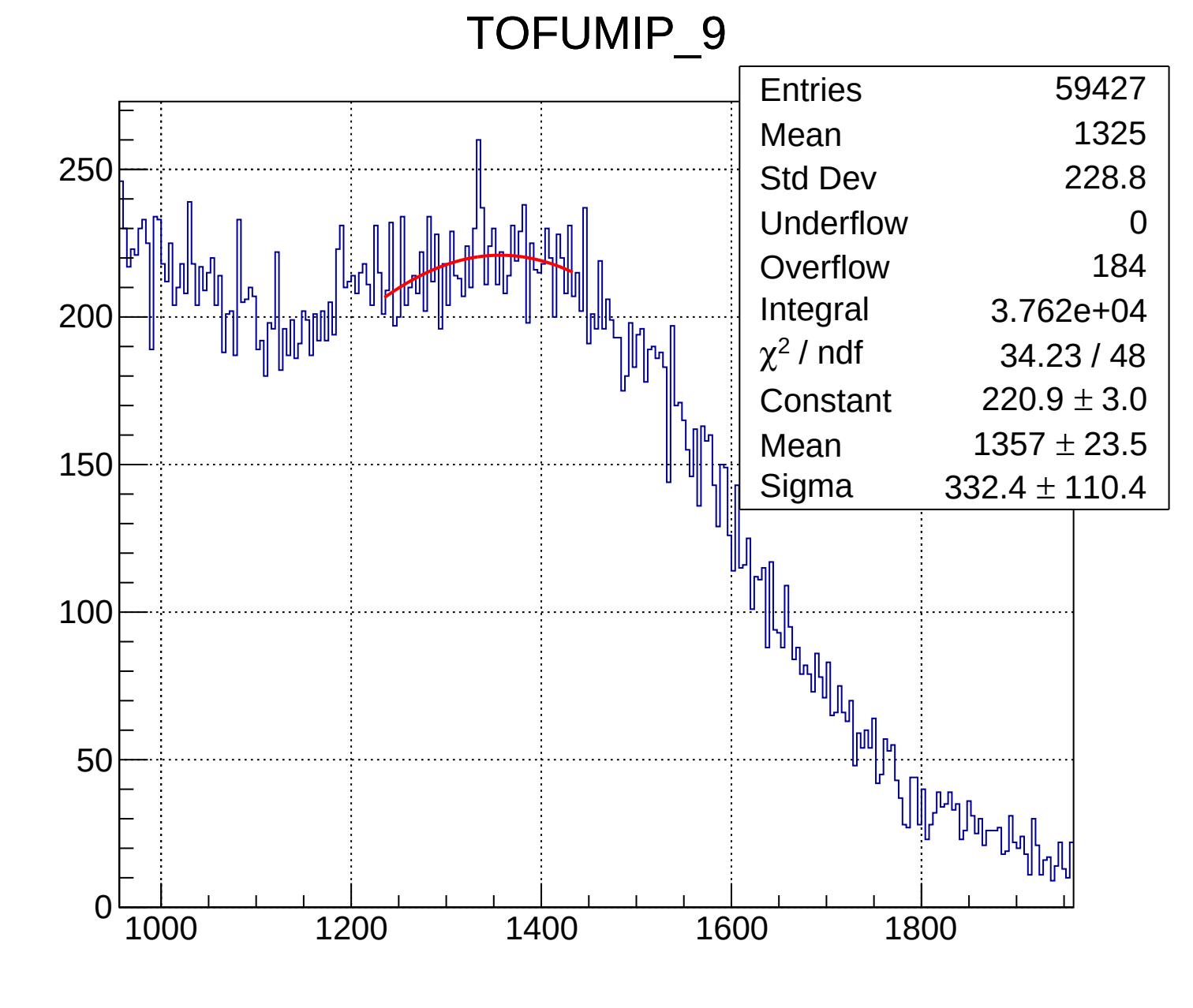

TOFUMIP_4
Entries 69410
Mean 979
Std Dev 231.7
Underflow 0
Overflow 31
Integral 5.958e+04
χ² / ndf 91.54 / 48
Constant 431.9 ± 4.2
Mean 870.2 ± 2.8
Sigma 126.9 ± 4.9
450
400
350
300
250
200
150
100
600
800
1000
1200
1400

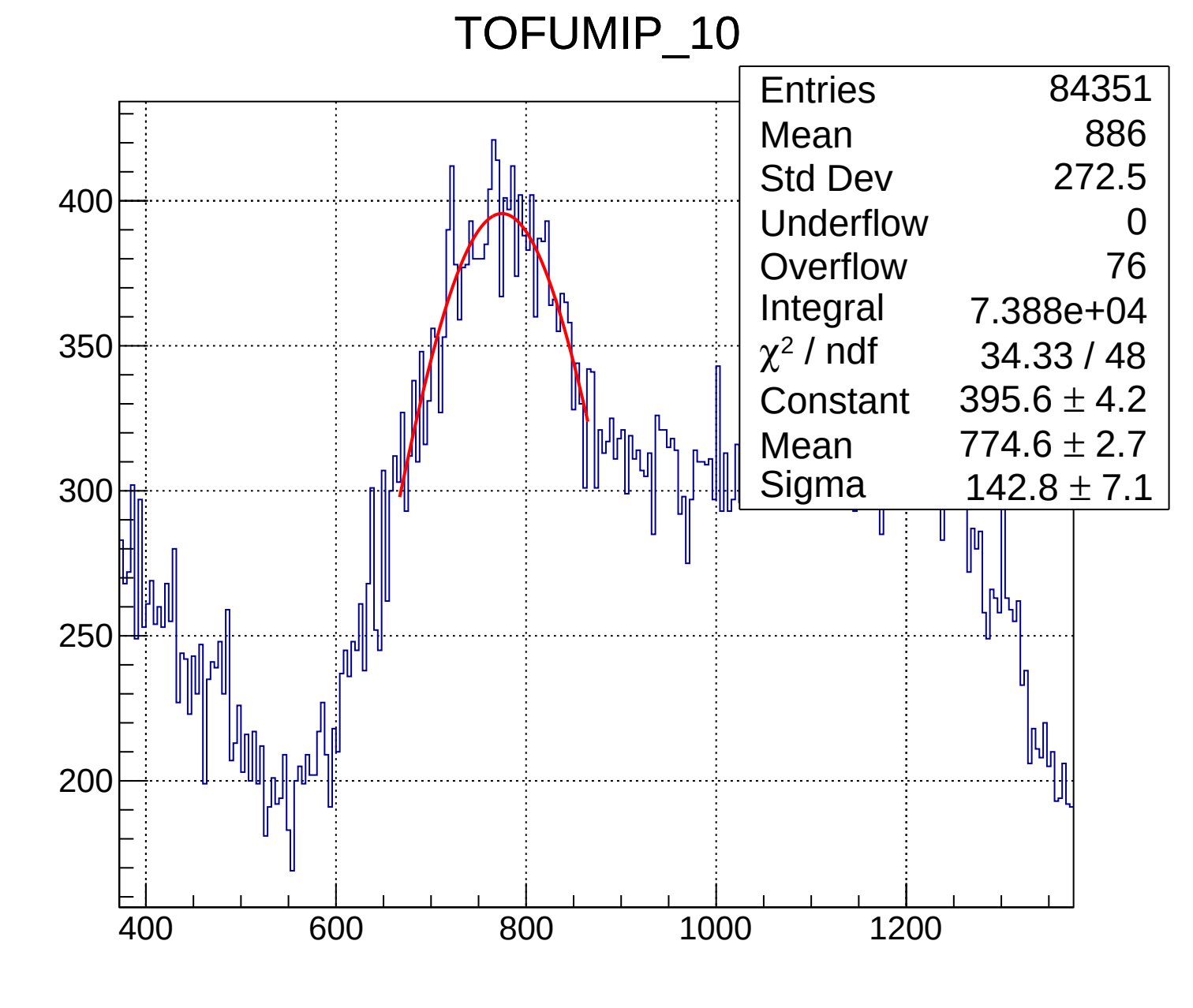

TOFUMIP_5
Entries 85483
Mean 1462
Std Dev 246.8
Underflow 0
Overflow 61
Integral 6.064e+04
χ² / ndf 60.42 / 48
Constant 352.5 ± 3.9
Mean 1348 ± 7.3
Sigma 214 ± 24.7
400
350
300
250
200
150
100
1000
1200
1400
1600
1800

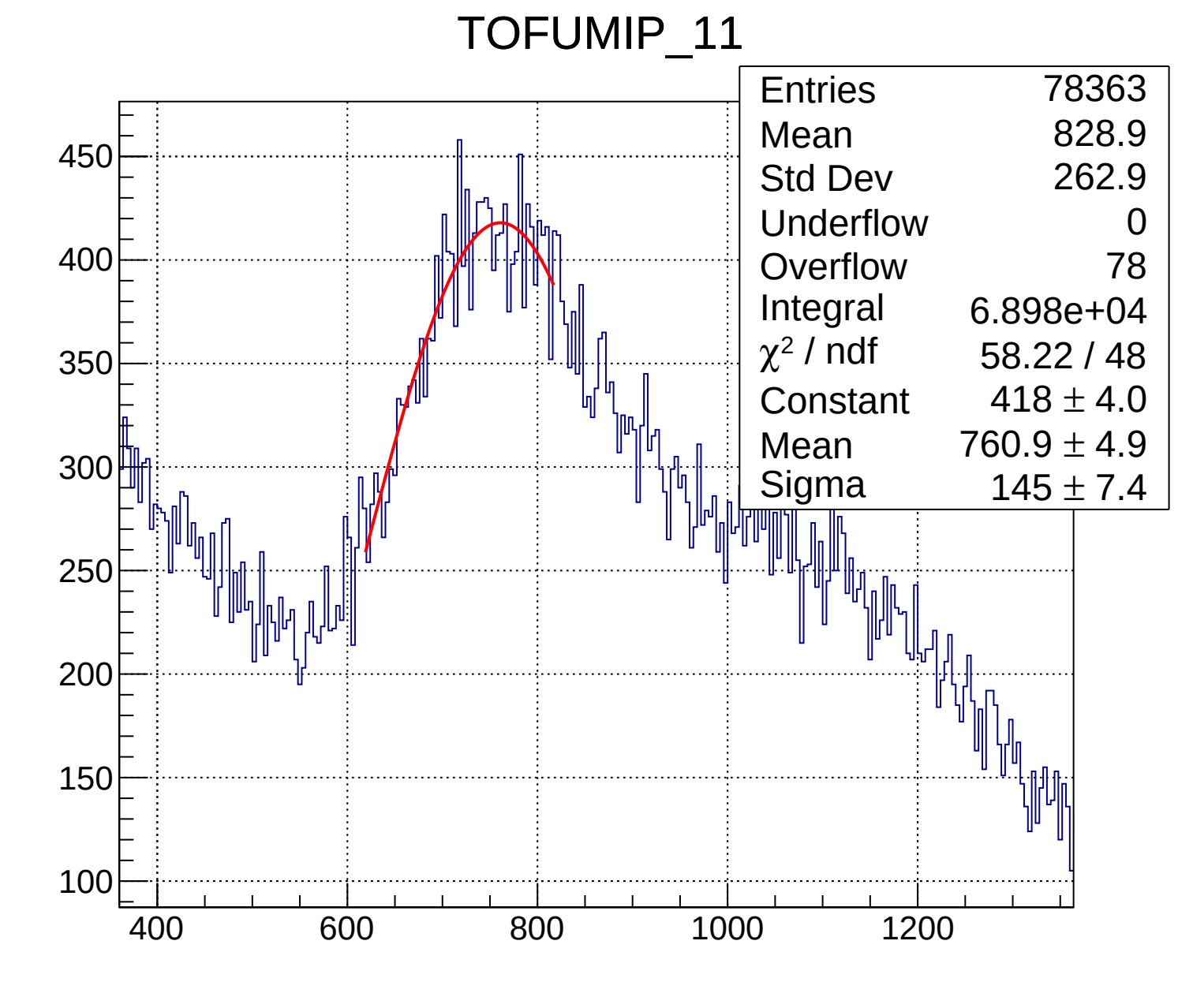

TOFUMIP_6
Entries 85287
Mean 1041
Std Dev 234.2
Underflow 0
Overflow 206
Integral 6.632e+04
χ² / ndf 50.97 / 48
Constant 457.2 ± 4.5
Mean 931.4 ± 5.4
Sigma 209.5 ± 19.9
500
450
400
350
300
250
200
150
100
600
800
1000
1200
1400

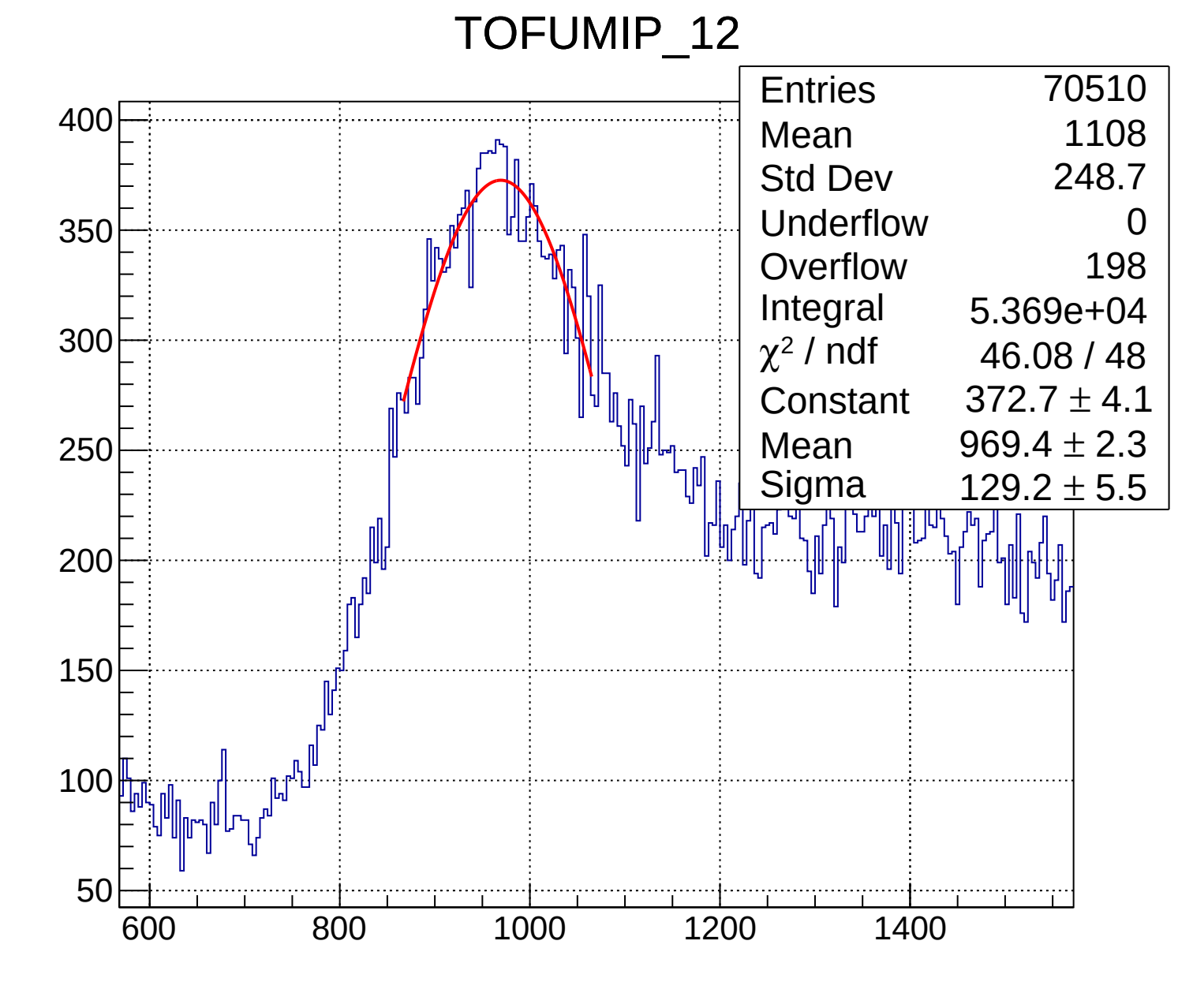

TOFUMIP_7
Entries 49146
Mean 919
Std Dev 256.4
Underflow 0
Overflow 112
Integral 4.011e+04
χ² / ndf 58.08 / 48
Constant 256.8 ± 3.4
Mean 784.6 ± 3.6
Sigma 146.8 ± 9.5
280
260
240
220
200
180
160
140
120
100
80
60
400
600
800
1000
1200

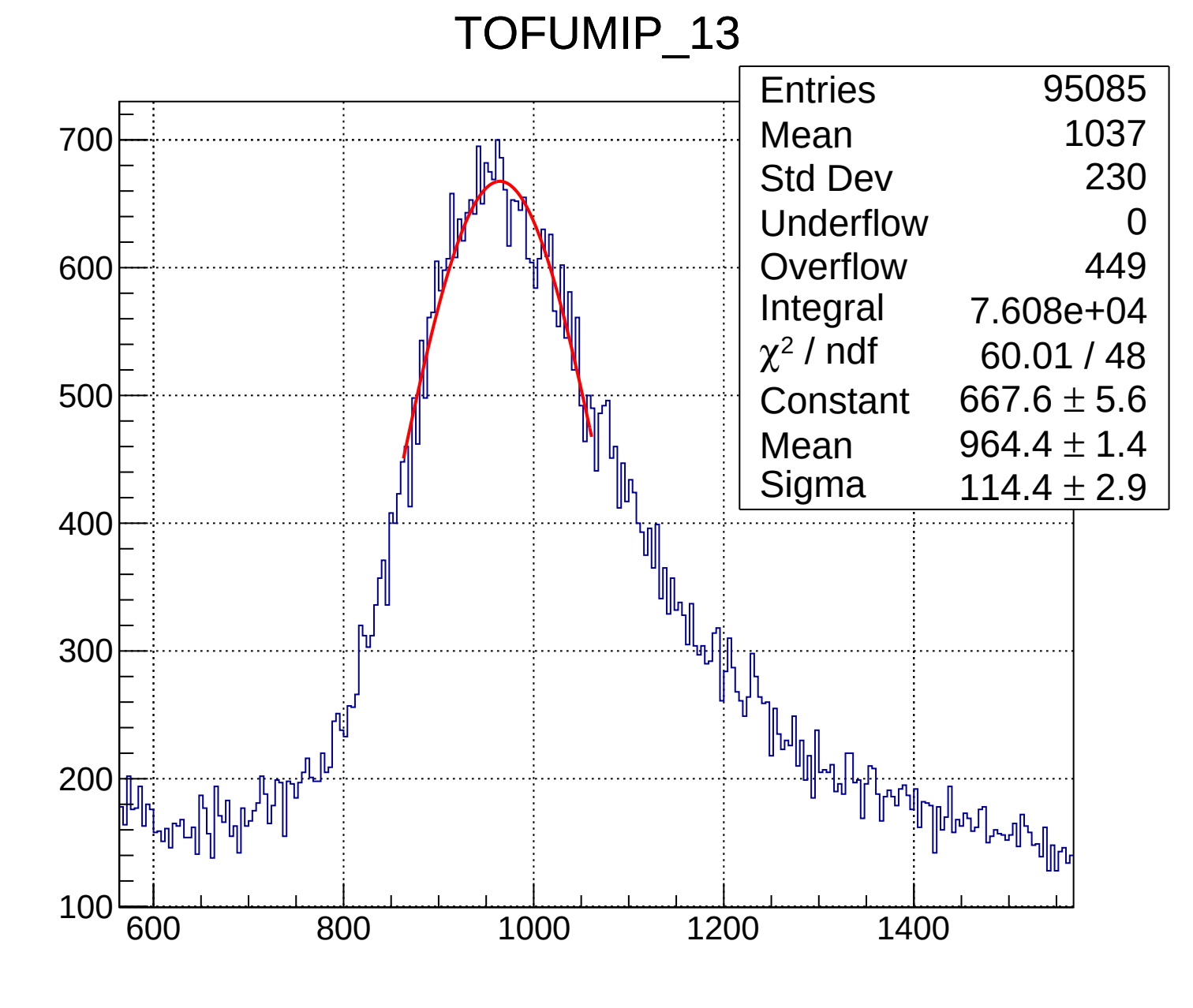

TOFUMIP_8
Entries 64725
Mean 992.2
Std Dev 255.9
Underflow 0
Overflow 64
Integral 4.992e+04
χ² / ndf 51.57 / 48
Constant 280 ± 3.3
Mean 814.3 ± 3.7
Sigma 124.4 ± 5.7
300
250
200
150
100
50
600
800
1000
1200
1400

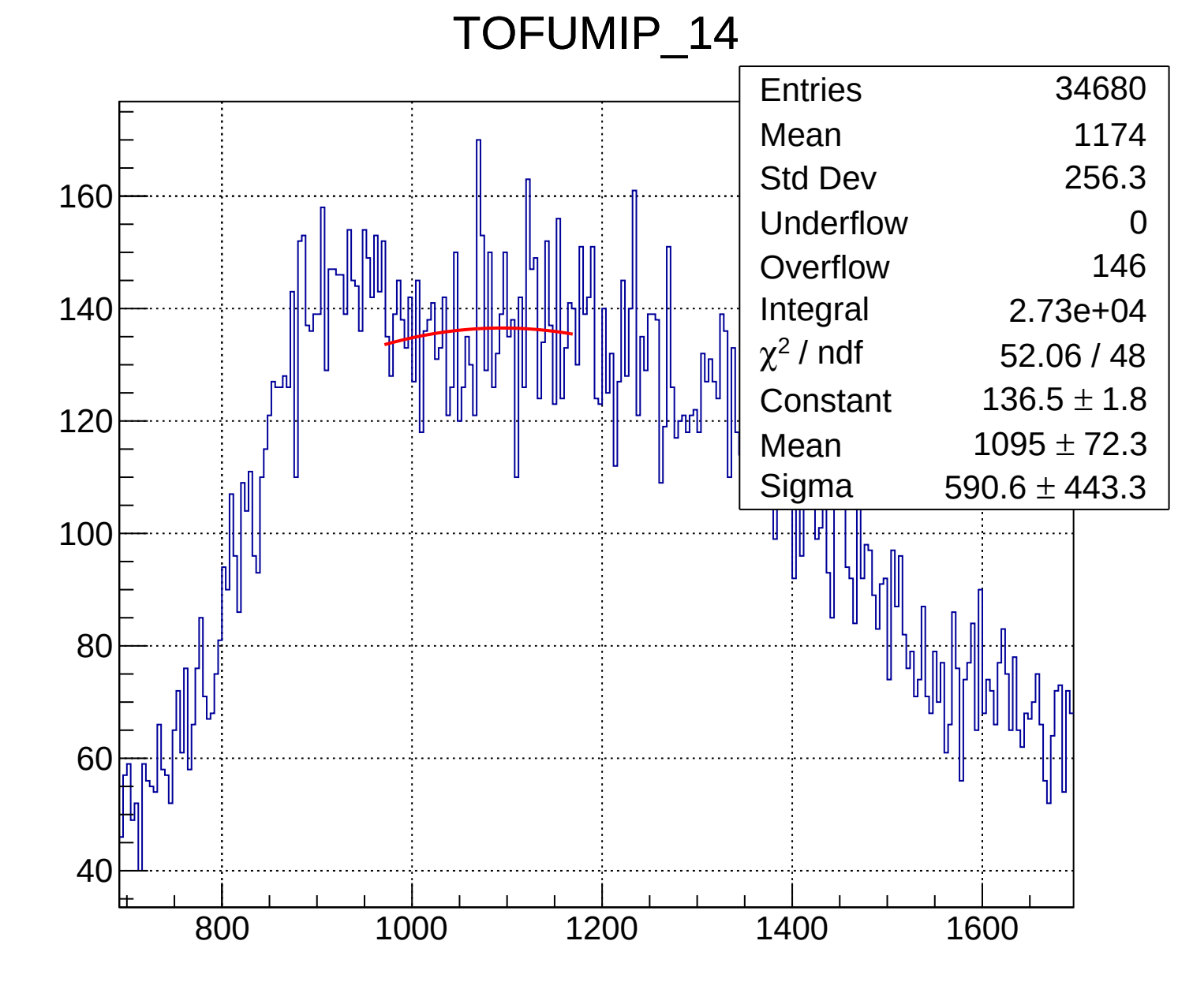

TOFUMIP_9
Entries 59427
Mean 1325
Std Dev 228.8
Underflow 0
Overflow 184
Integral 3.762e+04
χ² / ndf 34.23 / 48
Constant 220.9 ± 3.0
Mean 1357 ± 23.5
Sigma 332.4 ± 110.4
250
200
150
100
50
0
1000
1200
1400
1600
1800

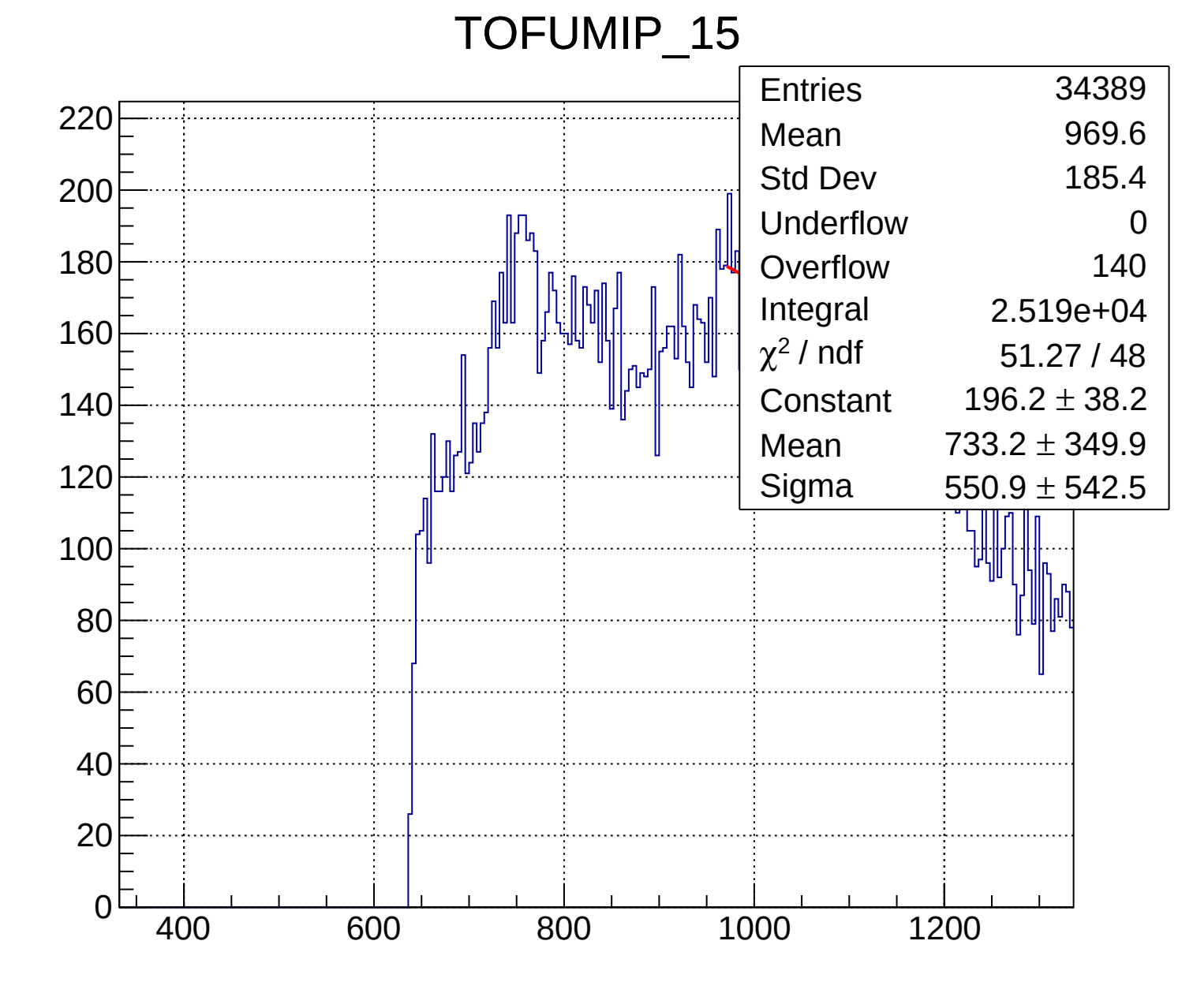

TOFUMIP_10
Entries 84351
Mean 886
Std Dev 272.5
Underflow 0
Overflow 76
Integral 7.388e+04
χ² / ndf 34.33 / 48
Constant 395.6 ± 4.2
Mean 774.6 ± 2.7
Sigma 142.8 ± 7.1
400
350
300
250
200
400
600
800
1000
1200

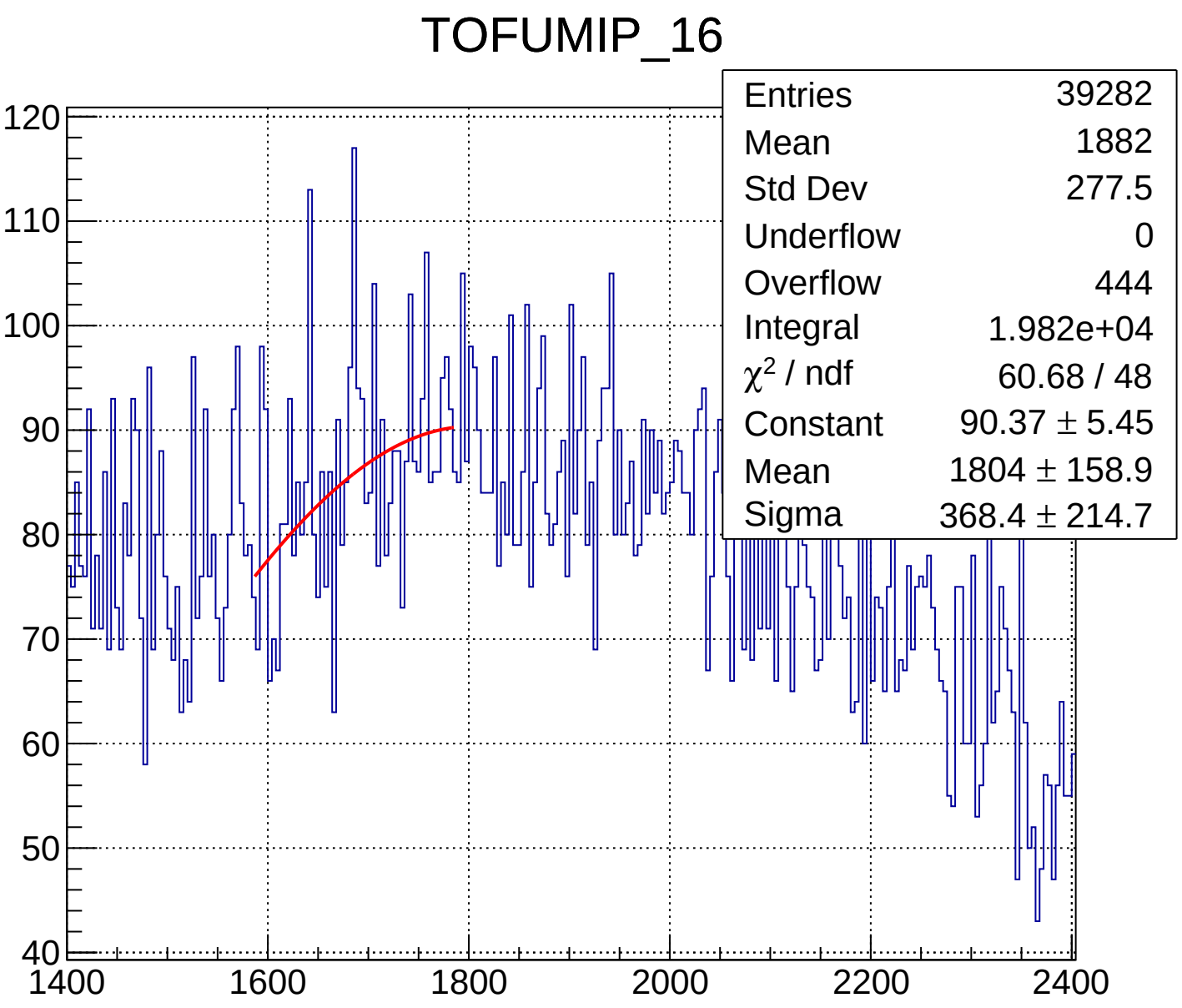

TOFUMIP_11
Entries 78363
Mean 828.9
Std Dev 262.9
Underflow 0
Overflow 78
Integral 6.898e+04
χ² / ndf 58.22 / 48
Constant 418 ± 4.0
Mean 760.9 ± 4.9
Sigma 145 ± 7.4
450
400
350
300
250
200
150
100
400
600
800
1000
1200

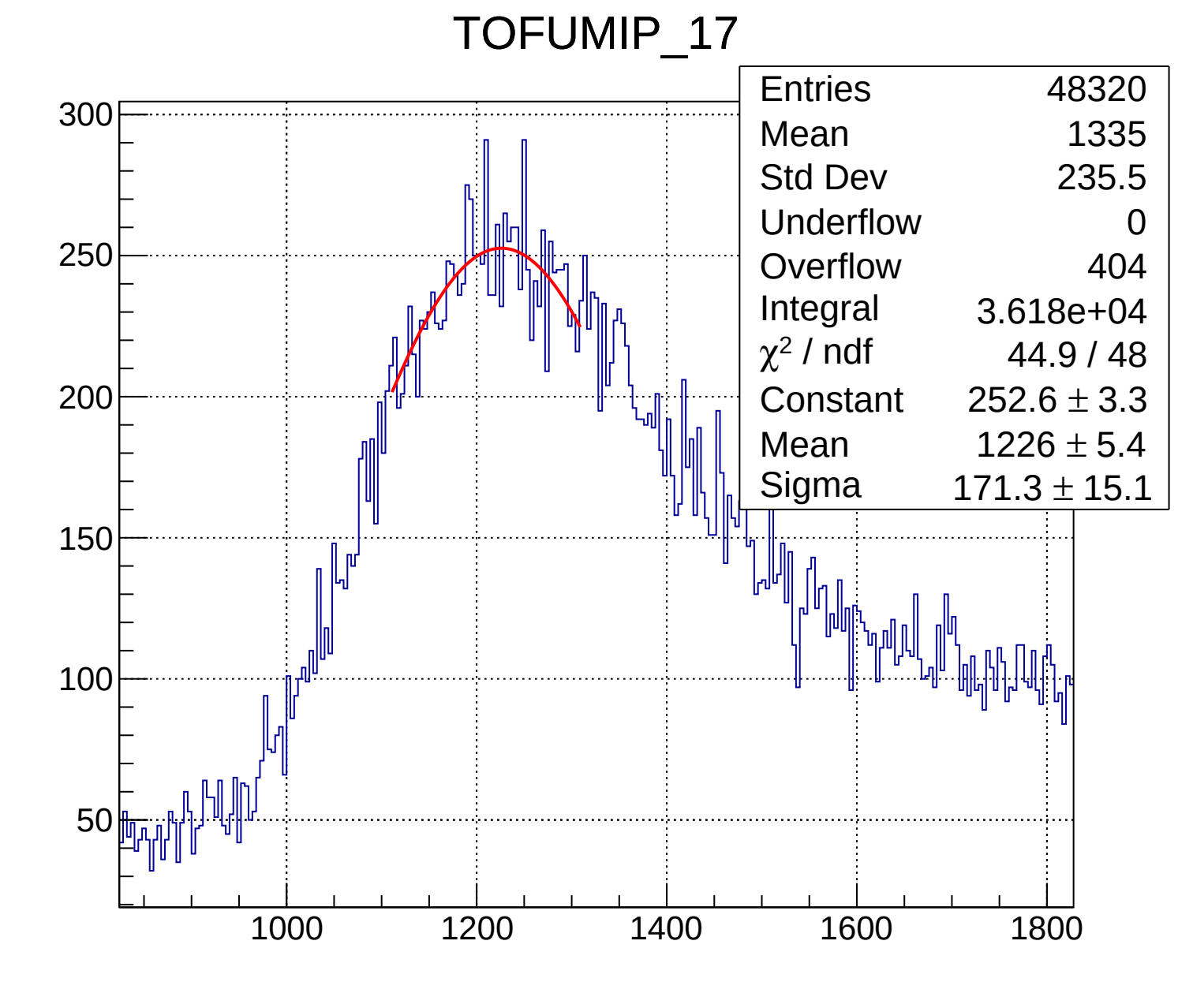

TOFUMIP_12
Entries 70510
Mean 1108
Std Dev 248.7
Underflow 0
Overflow 198
Integral 5.369e+04
χ² / ndf 46.08 / 48
Constant 372.7 ± 4.1
Mean 969.4 ± 2.3
Sigma 129.2 ± 5.5
400
350
300
250
200
150
100
50
600
800
1000
1200
1400

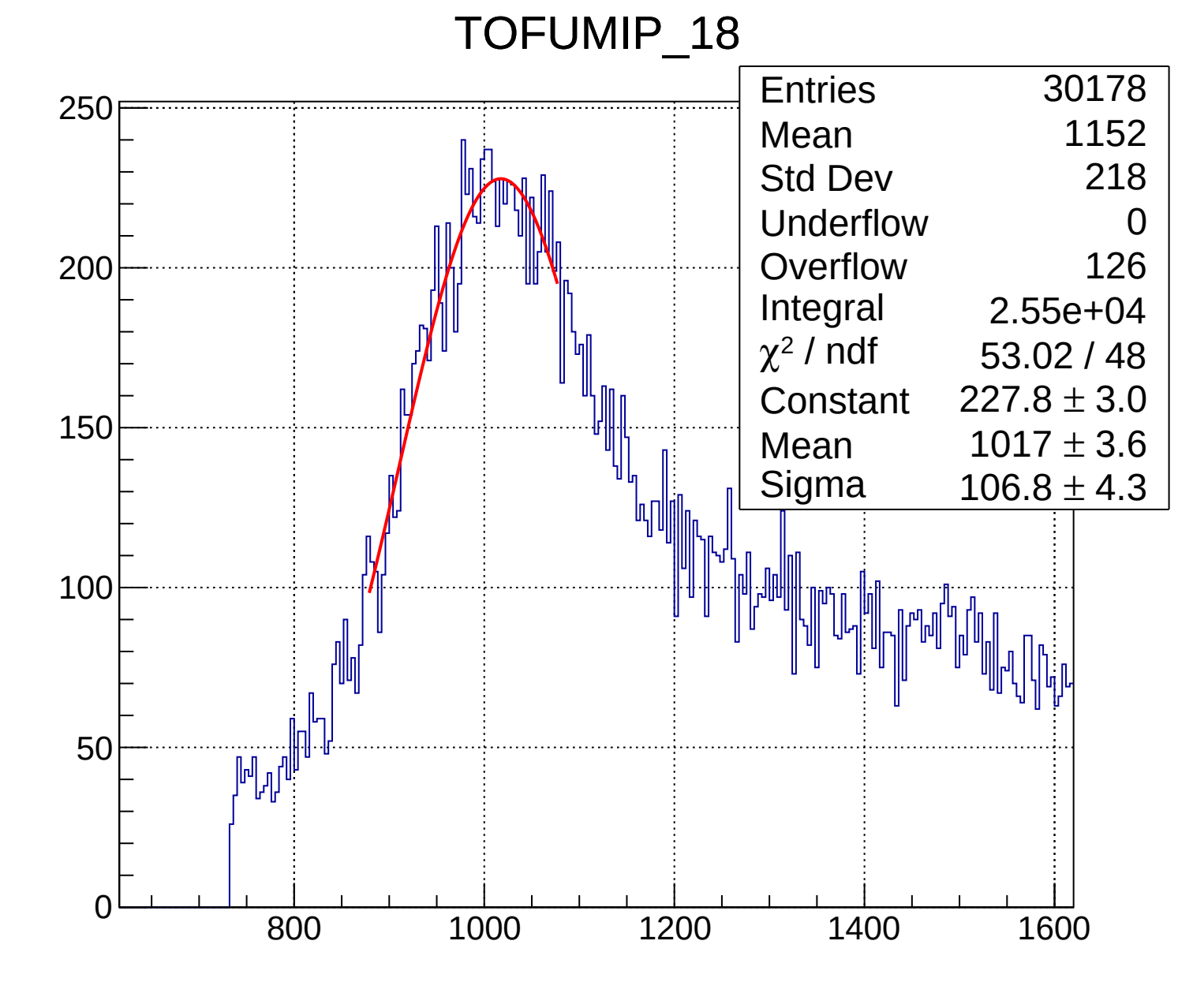

TOFUMIP_13
Entries 95085
Mean 1037
Std Dev 230
Underflow 0
Overflow 449
Integral 7.608e+04
χ² / ndf 60.01 / 48
Constant 667.6 ± 5.6
Mean 964.4 ± 1.4
Sigma 114.4 ± 2.9
700
600
500
400
300
200
100
600
800
1000
1200
1400

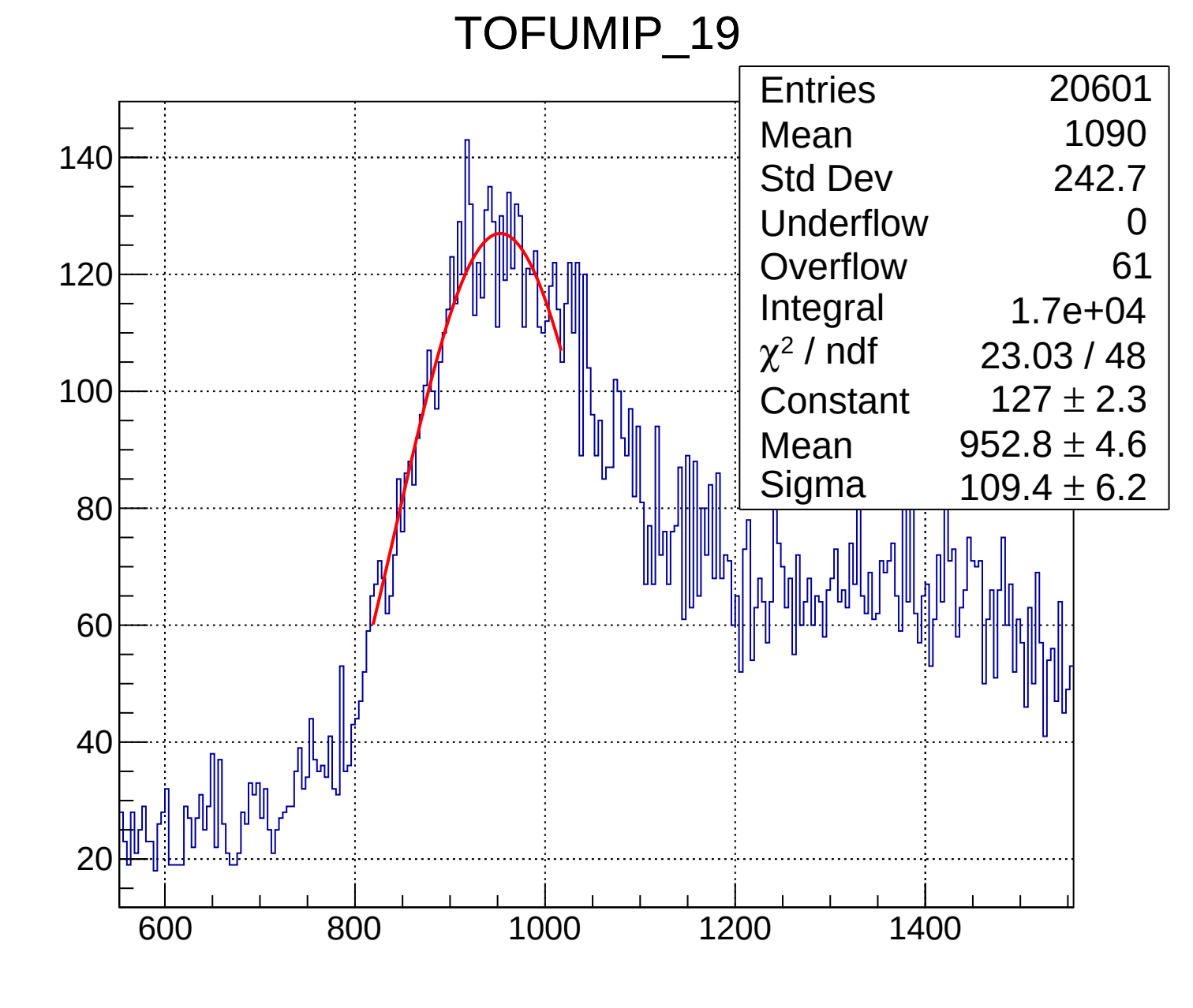

TOFUMIP_14
Entries 34680
Mean 1174
Std Dev 256.3
Underflow 0
Overflow 146
Integral 2.73e+04
χ² / ndf 52.06 / 48
Constant 136.5 ± 1.8
Mean 1095 ± 72.3
Sigma 590.6 ± 443.3
160
140
120
100
80
60
40
800
1000
1200
1400
1600

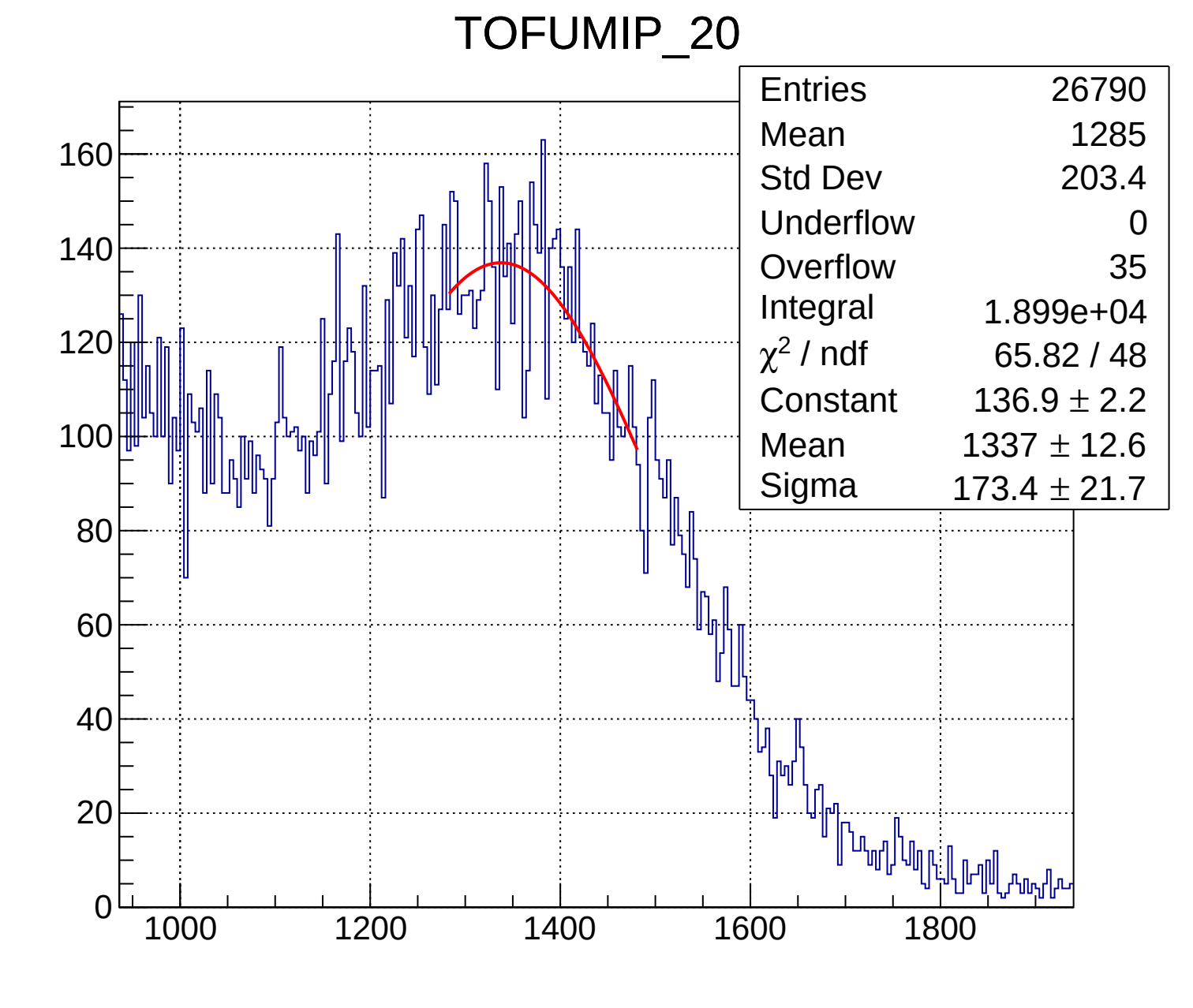

TOFUMIP_15
Entries 34389
Mean 969.6
Std Dev 185.4
Underflow 0
Overflow 140
Integral 2.519e+04
χ² / ndf 51.27 / 48
Constant 196.2 ± 38.2
Mean 733.2 ± 349.9
Sigma 550.9 ± 542.5
220
200
180
160
140
120
100
80
60
40
20
0
400
600
800
1000
1200

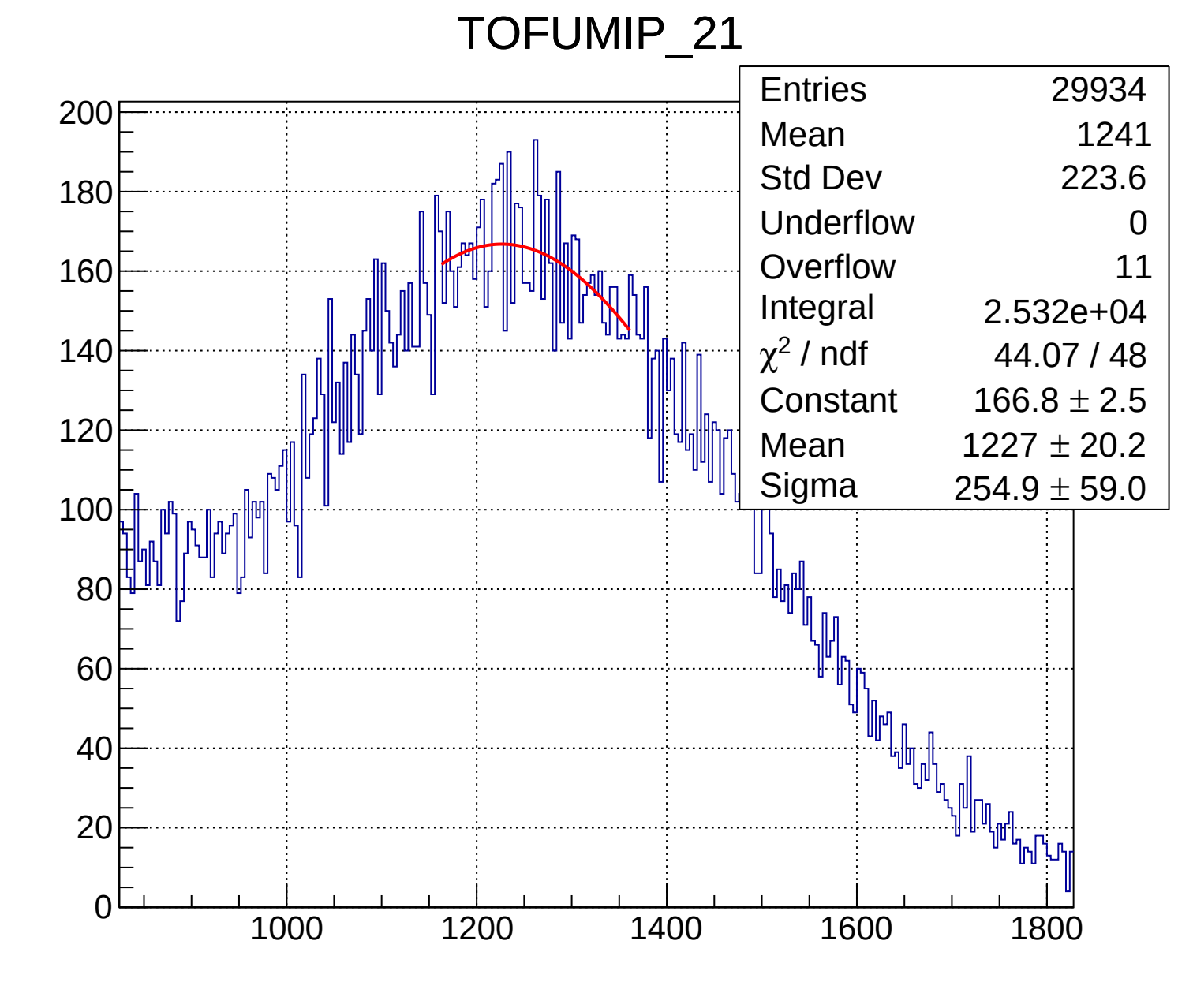

TOFUMIP_16
Entries 39282
Mean 1882
Std Dev 277.5
Underflow 0
Overflow 444
Integral 1.982e+04
χ² / ndf 60.68 / 48
Constant 90.37 ± 5.45
Mean 1804 ± 158.9
Sigma 368.4 ± 214.7
120
110
100
90
80
70
60
50
40
1400
1600
1800
2000
2200
2400

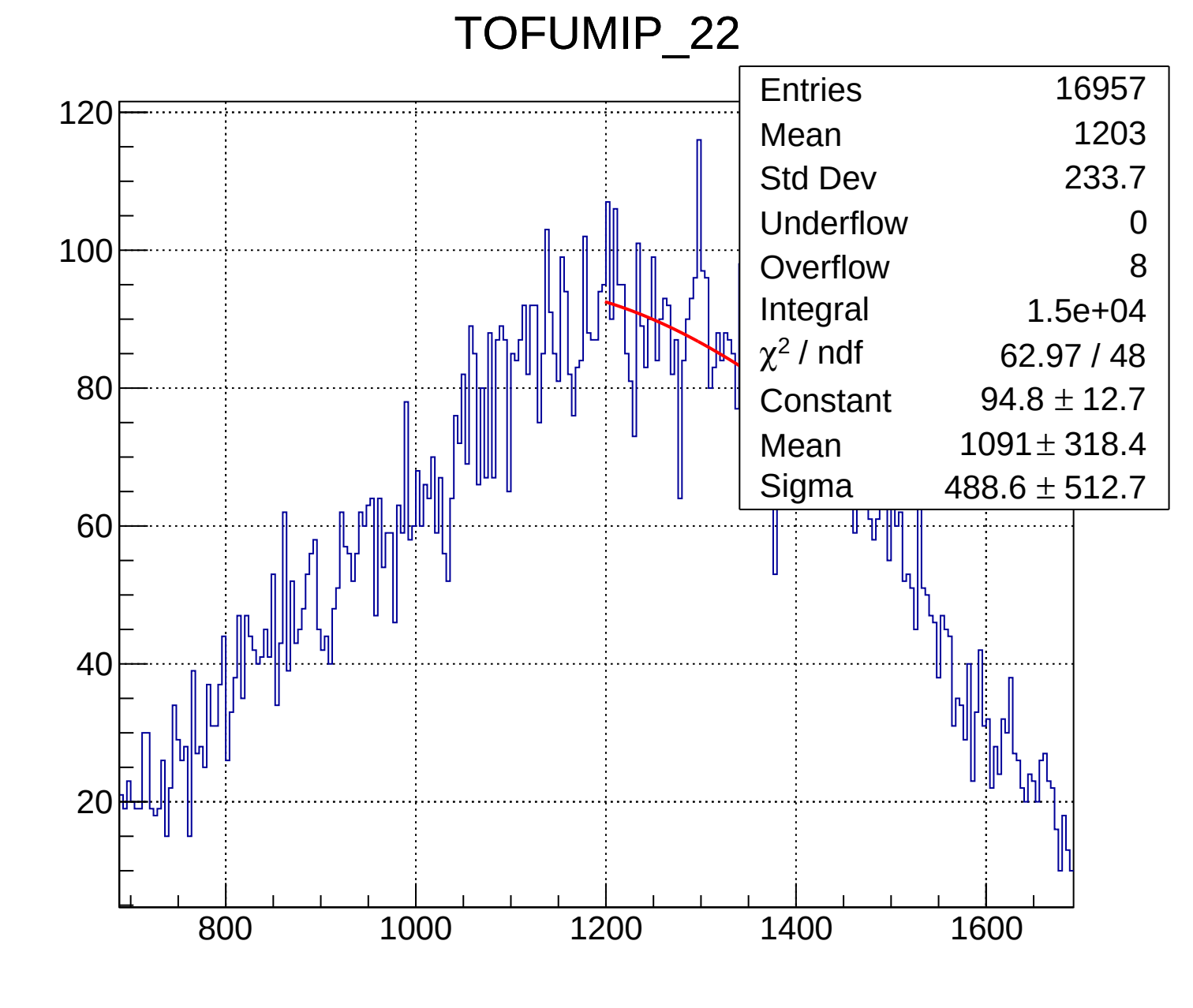

TOFUMIP_17
Entries 48320
Mean 1335
Std Dev 235.5
Underflow 0
Overflow 404
Integral 3.618e+04
χ² / ndf 44.9 / 48
Constant 252.6 ± 3.3
Mean 1226 ± 5.4
Sigma 171.3 ± 15.1
300
250
200
150
100
50
1000
1200
1400
1600
1800

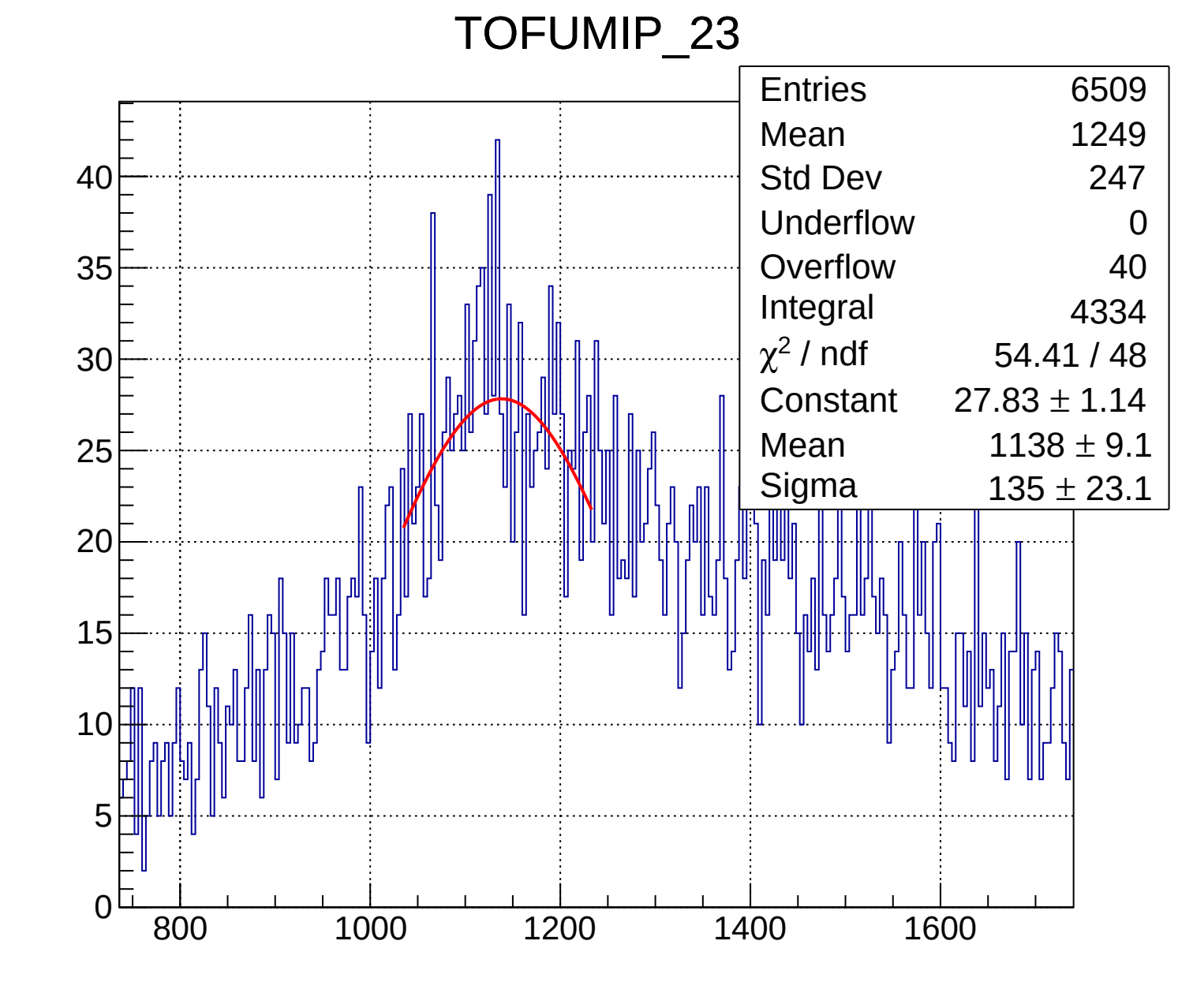

TOFUMIP_18
Entries 30178
Mean 1152
Std Dev 218
Underflow 0
Overflow 126
Integral 2.55e+04
χ² / ndf 53.02 / 48
Constant 227.8 ± 3.0
Mean 1017 ± 3.6
Sigma 106.8 ± 4.3
250
200
150
100
50
0
800
1000
1200
1400
1600

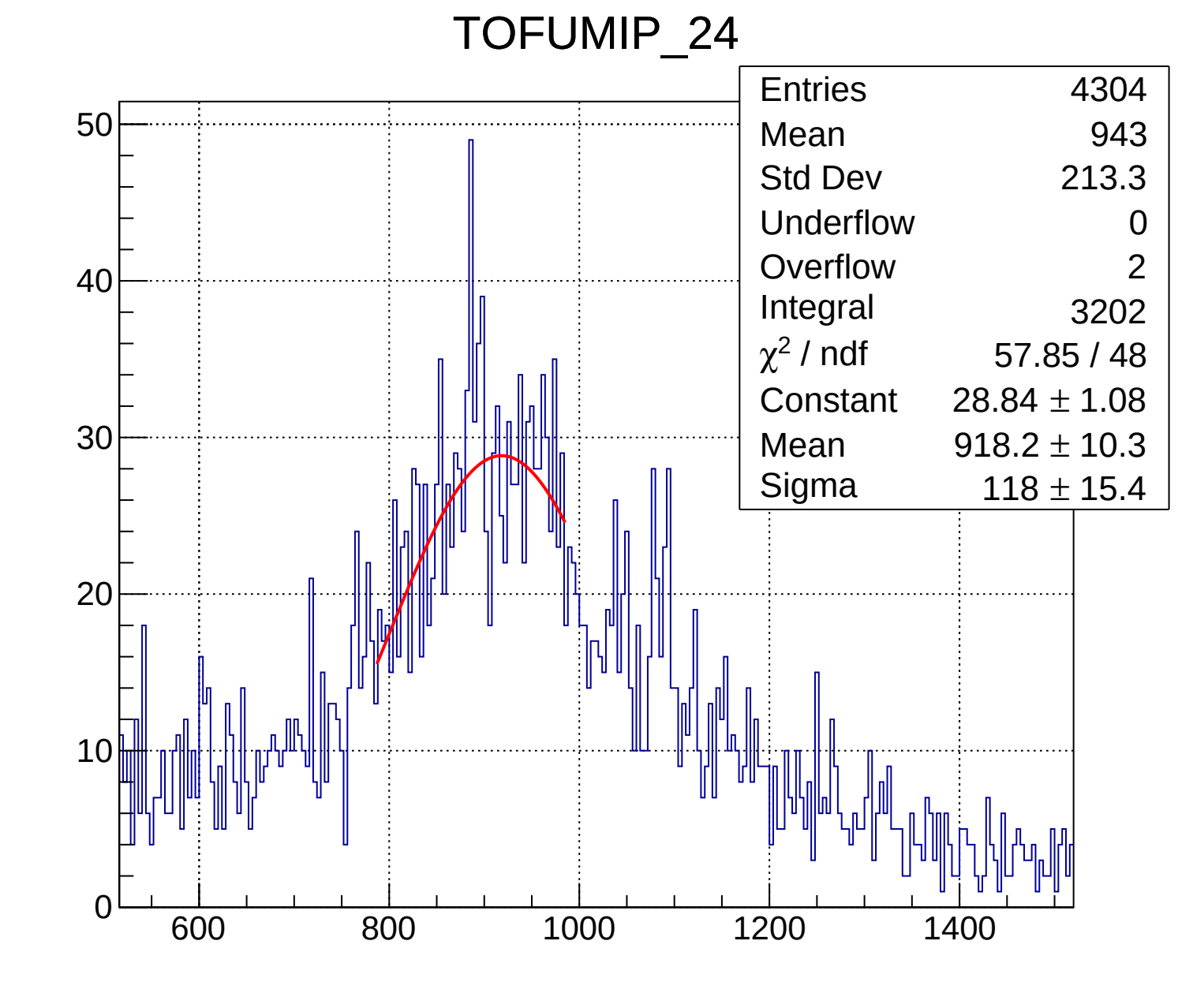

TOFUMIP_19
Entries 20601
Mean 1090
Std Dev 242.7
Underflow 0
Overflow 61
Integral 1.7e+04
χ² / ndf 23.03 / 48
Constant 127 ± 2.3
Mean 952.8 ± 4.6
Sigma 109.4 ± 6.2
140
120
100
80
60
40
20
600
800
1000
1200
1400

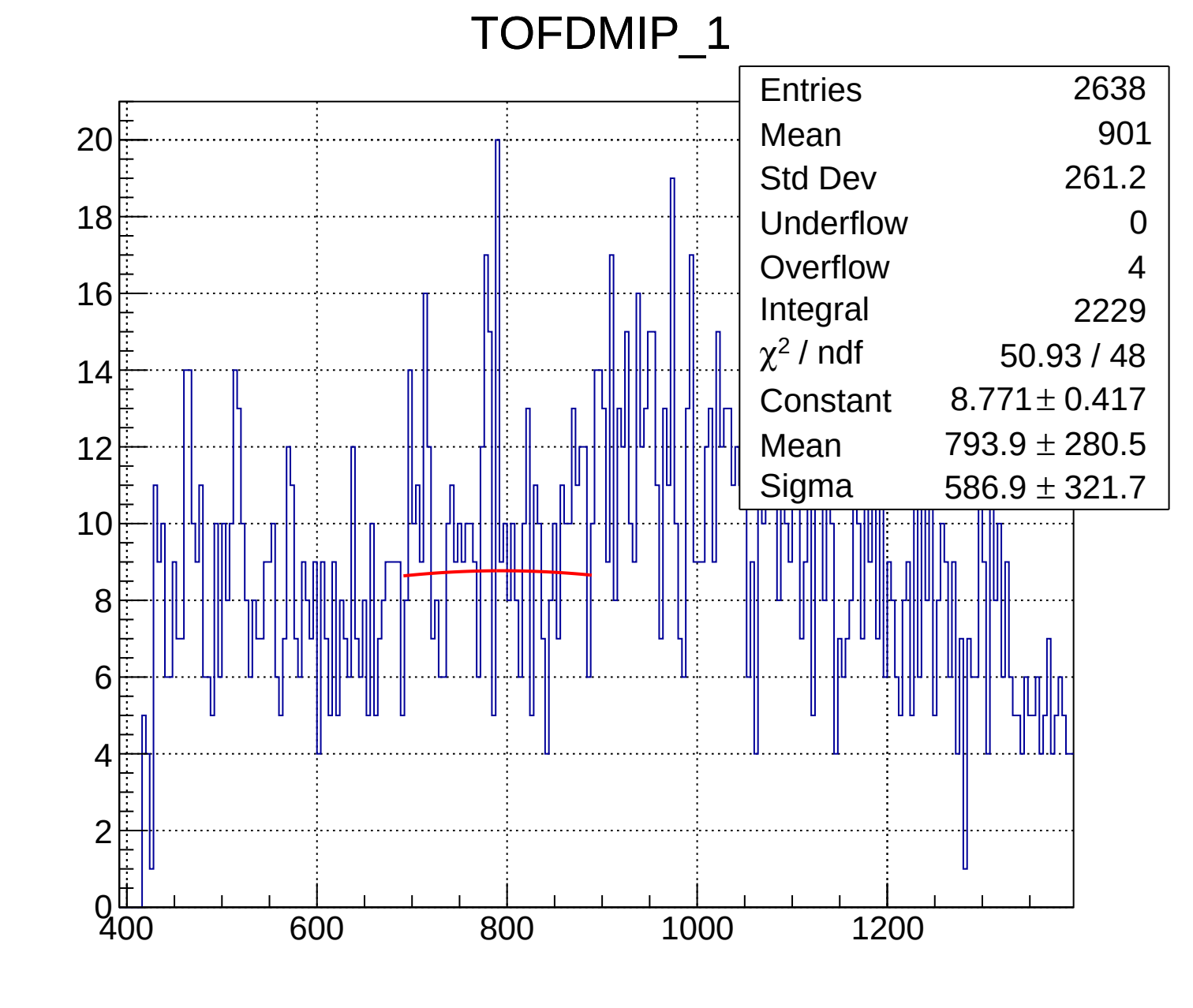

TOFUMIP_20
Entries 26790
Mean 1285
Std Dev 203.4
Underflow 0
Overflow 35
Integral 1.899e+04
χ² / ndf 65.82 / 48
Constant 136.9 ± 2.2
Mean 1337 ± 12.6
Sigma 173.4 ± 21.7
160
140
120
100
80
60
40
20
0
1000
1200
1400
1600
1800

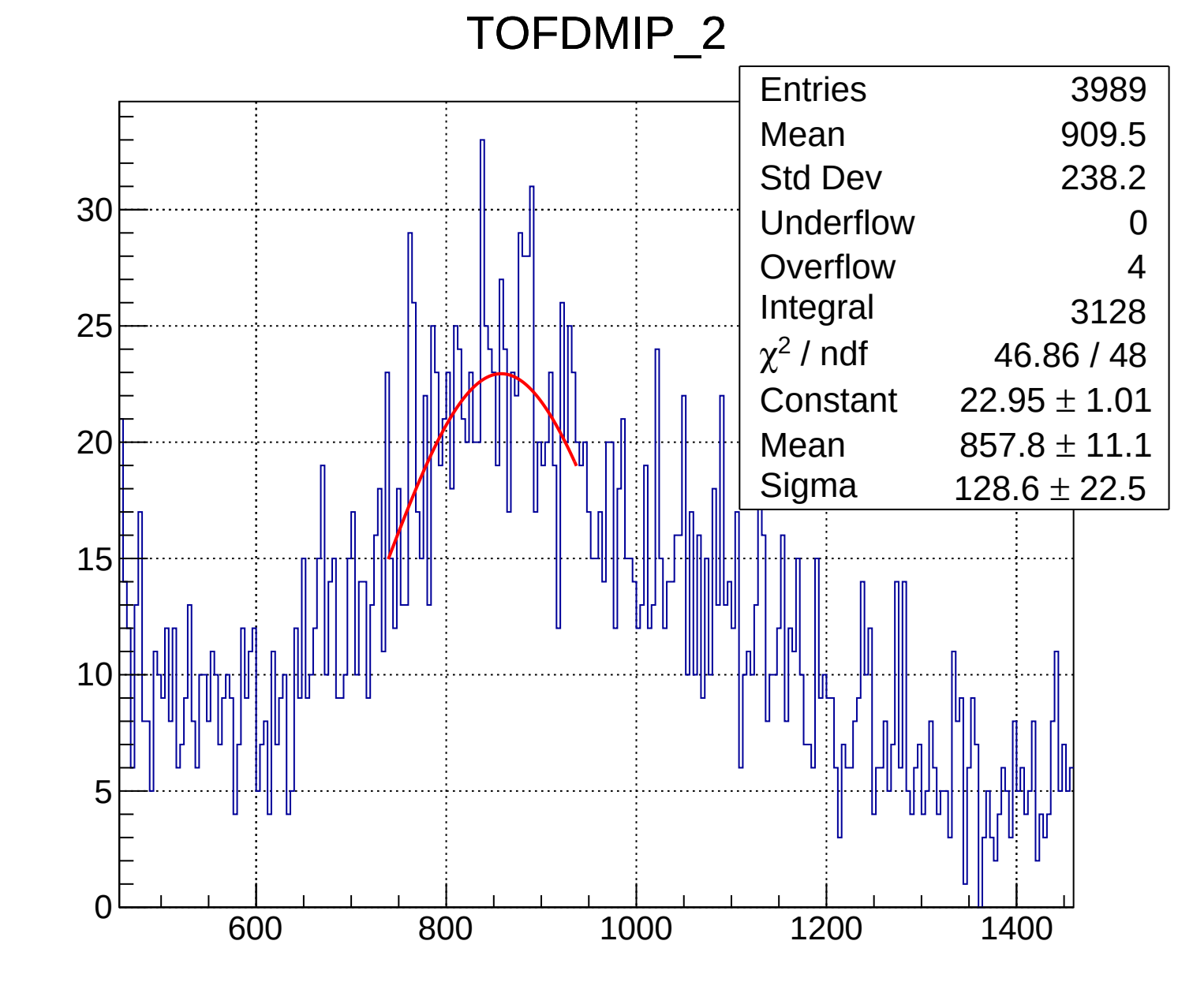

TOFUMIP_21
Entries 29934
Mean 1241
Std Dev 223.6
Underflow 0
Overflow 11
Integral 2.532e+04
χ² / ndf 44.07 / 48
Constant 166.8 ± 2.5
Mean 1227 ± 20.2
Sigma 254.9 ± 59.0
200
180
160
140
120
100
80
60
40
20
0
1000
1200
1400
1600
1800

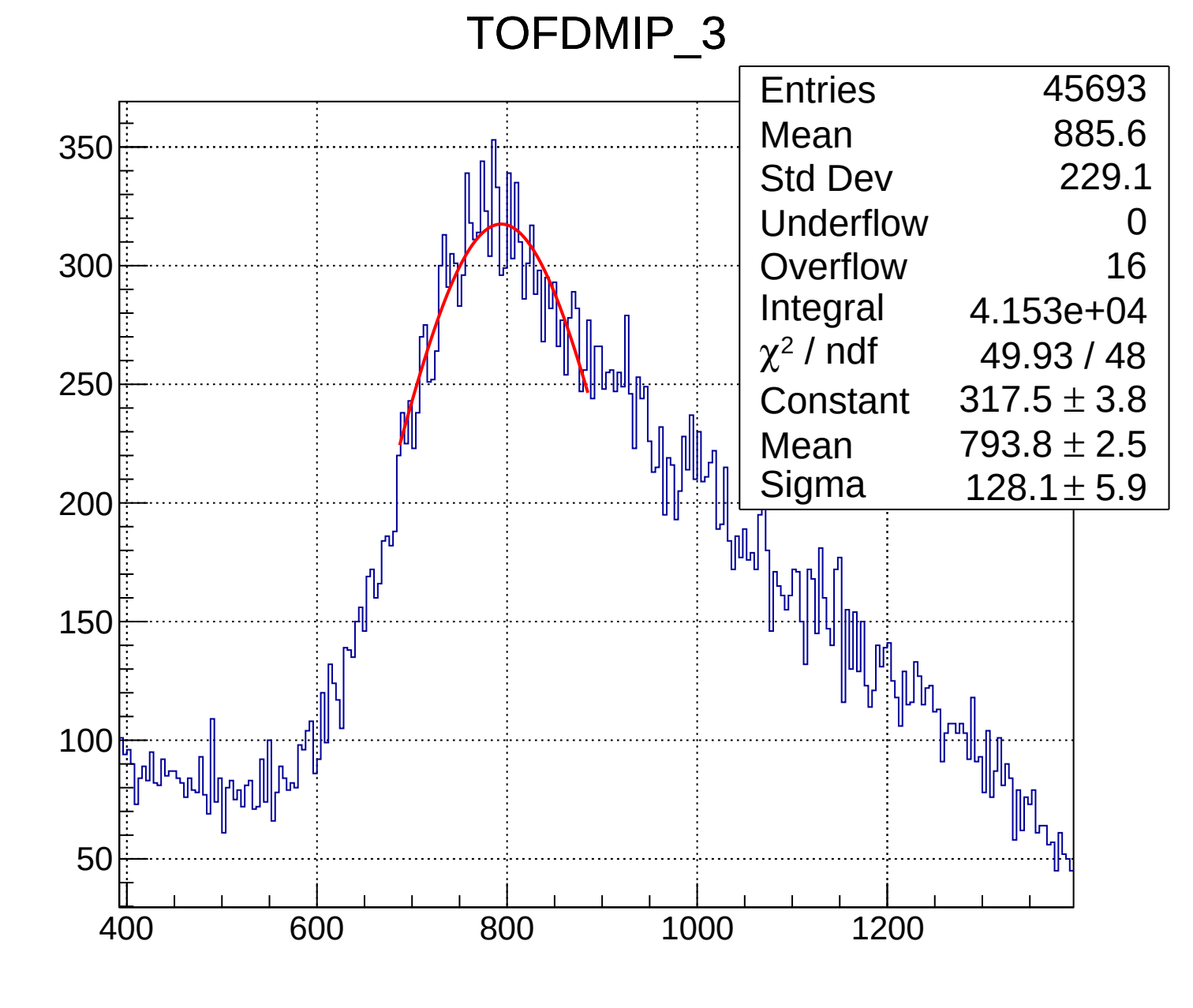

TOFUMIP_22
Entries 16957
Mean 1203
Std Dev 233.7
Underflow 0
Overflow 8
Integral 1.5e+04
χ² / ndf 62.97 / 48
Constant 94.8 ± 12.7
Mean 1091 ± 318.4
Sigma 488.6 ± 512.7
120
100
80
60
40
20
800
1000
1200
1400
1600

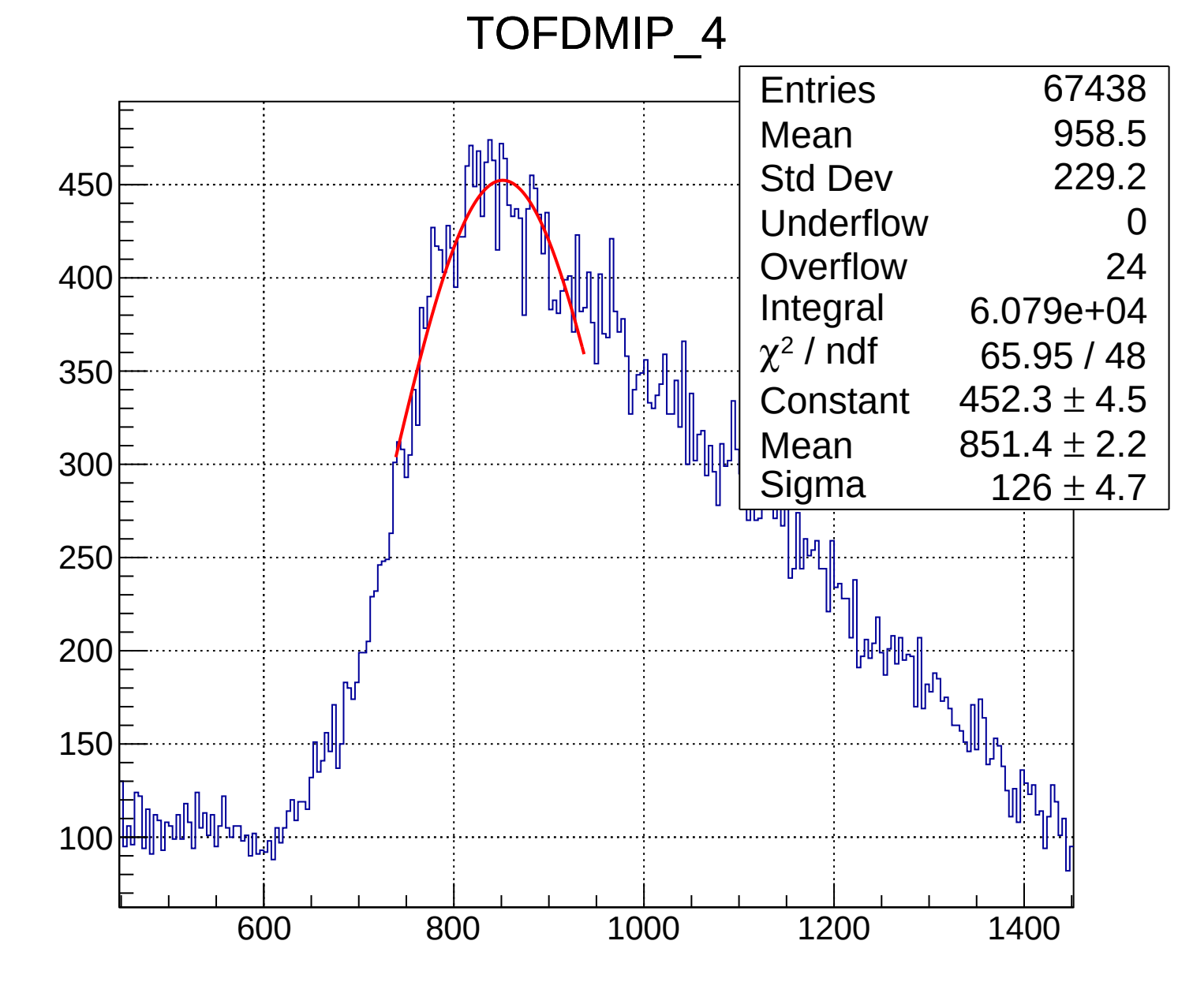

TOFUMIP_23
Entries 6509
Mean 1249
Std Dev 247
Underflow 0
Overflow 40
Integral 4334
χ2 / ndf 54.41 / 48
Constant 27.83 ± 1.14
Mean 1138 ± 9.1
Sigma 135 ± 23.1
0
5
10
15
20
25
30
35
40
800
1000
1200
1400
1600

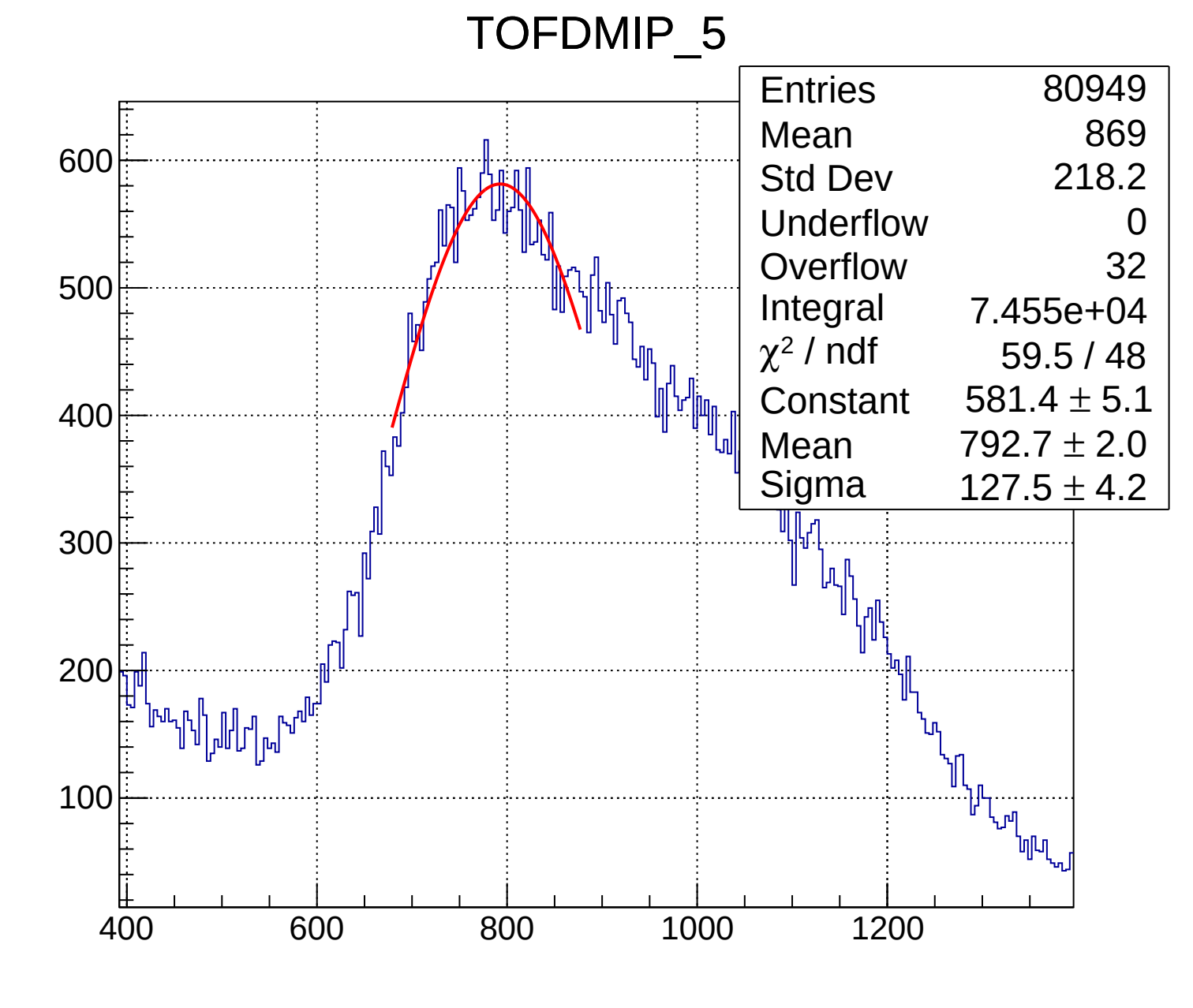

TOFUMIP_24
Entries 4304
Mean 943
Std Dev 213.3
Underflow 0
Overflow 2
Integral 3202
χ² / ndf 57.85 / 48
Constant 28.84 ± 1.08
Mean 918.2 ± 10.3
Sigma 118 ± 15.4
0
10
20
30
40
50
600
800
1000
1200
1400

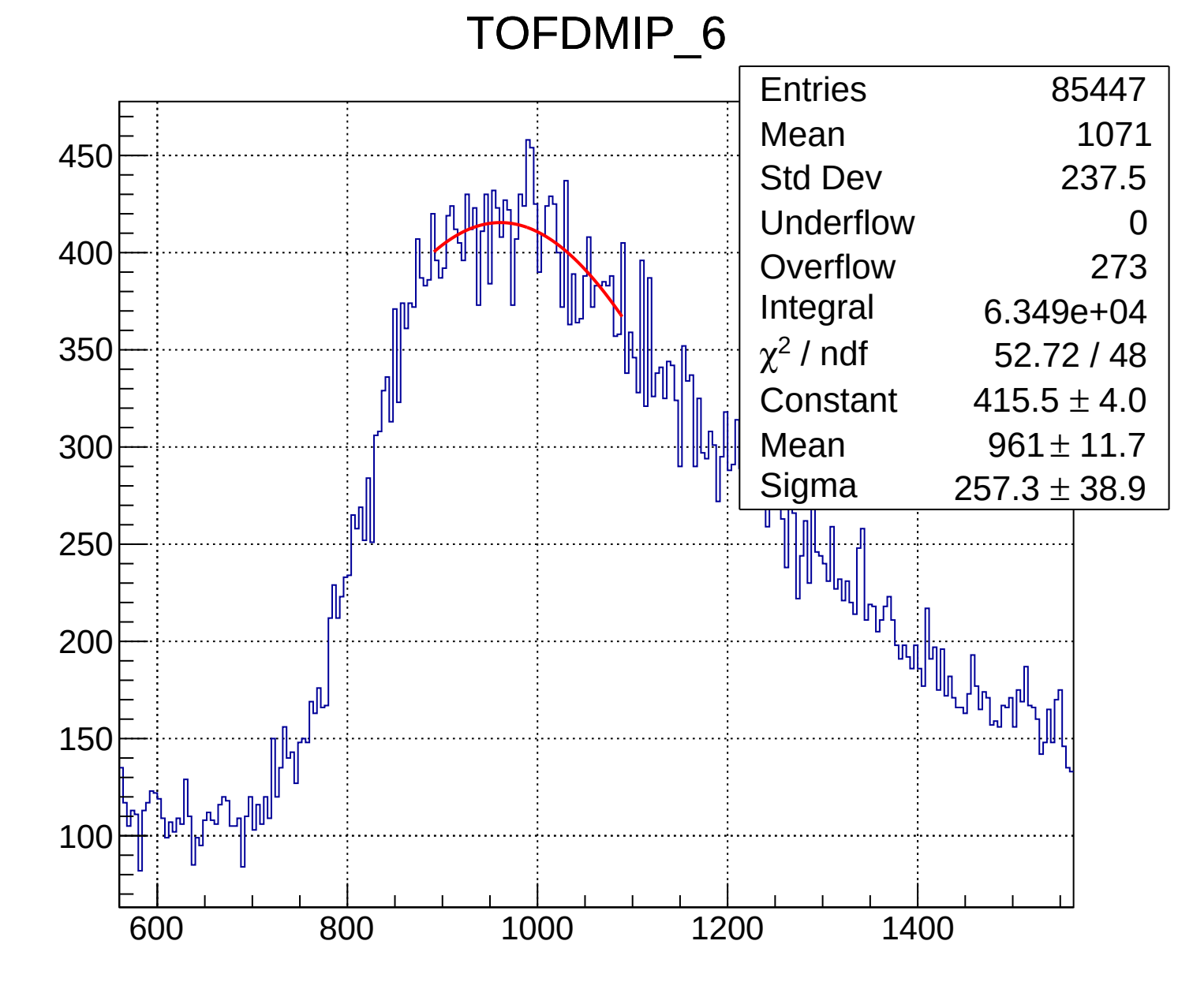

TOFDMIP_1
Entries 2638
Mean 901
Std Dev 261.2
Underflow 0
Overflow 4
Integral 2229
χ² / ndf 50.93 / 48
Constant 8.771 ± 0.417
Mean 793.9 ± 280.5
Sigma 586.9 ± 321.7
0
2
4
6
8
10
12
14
16
18
20
400
600
800
1000
1200

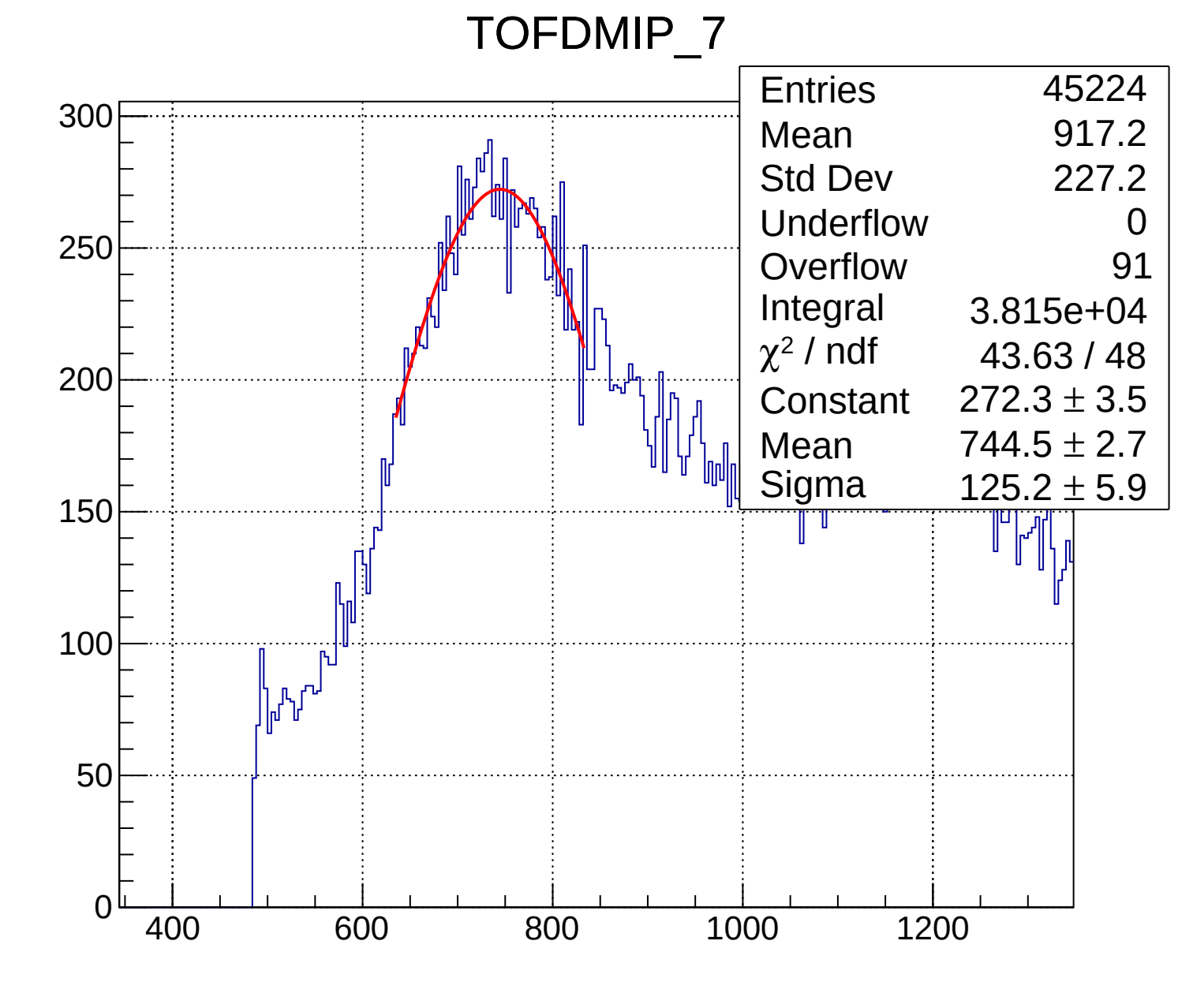

TOFDMIP_2
Entries 3989
Mean 909.5
Std Dev 238.2
Underflow 0
Overflow 4
Integral 3128
χ² / ndf 46.86 / 48
Constant 22.95 ± 1.01
Mean 857.8 ± 11.1
Sigma 128.6 ± 22.5
0
5
10
15
20
25
30
600
800
1000
1200
1400

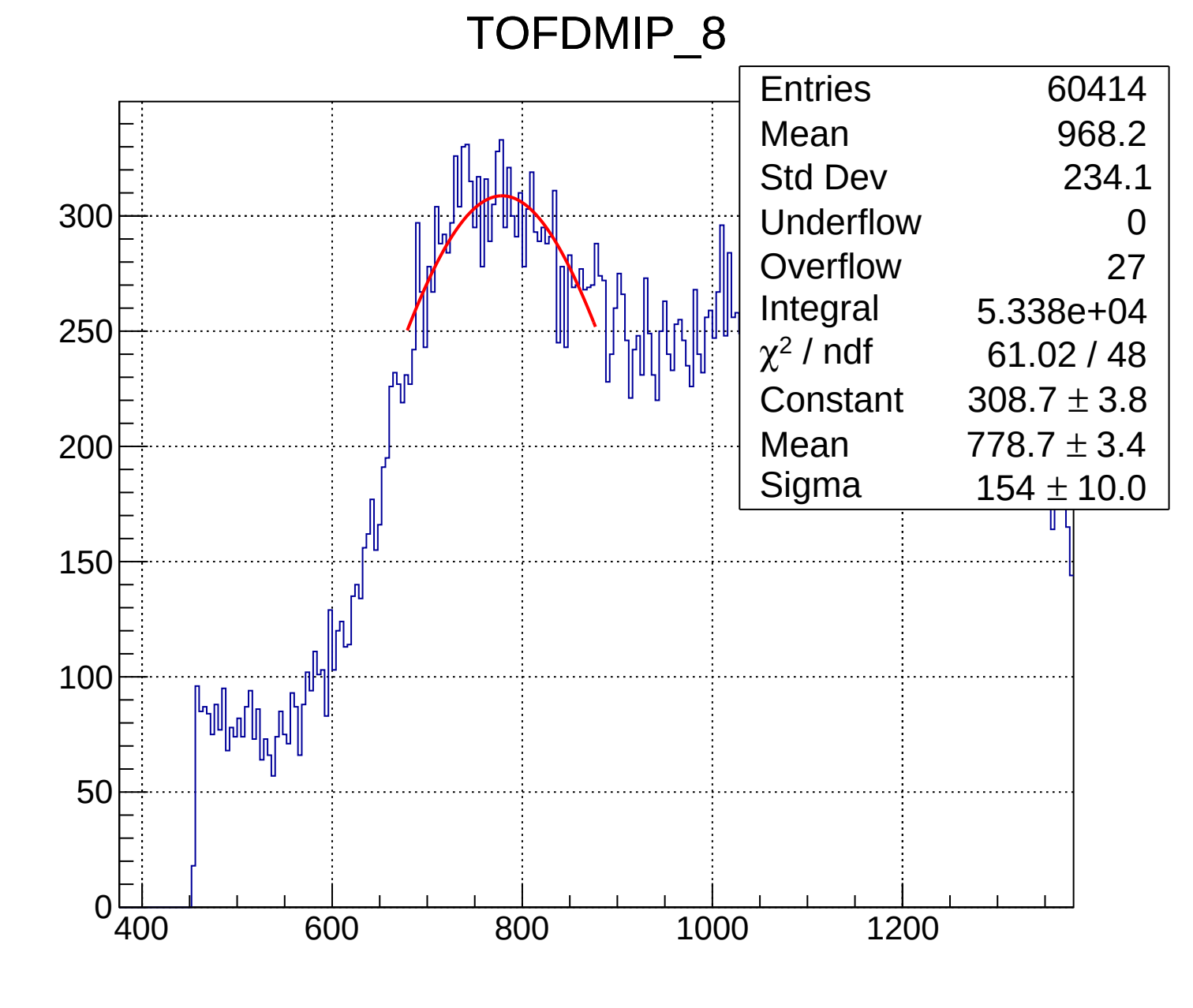

TOFDMIP_3
Entries 45693
Mean 885.6
Std Dev 229.1
Underflow 0
Overflow 16
Integral 4.153e+04
χ² / ndf 49.93 / 48
Constant 317.5 ± 3.8
Mean 793.8 ± 2.5
Sigma 128.1 ± 5.9
350
300
250
200
150
100
50
400
600
800
1000
1200

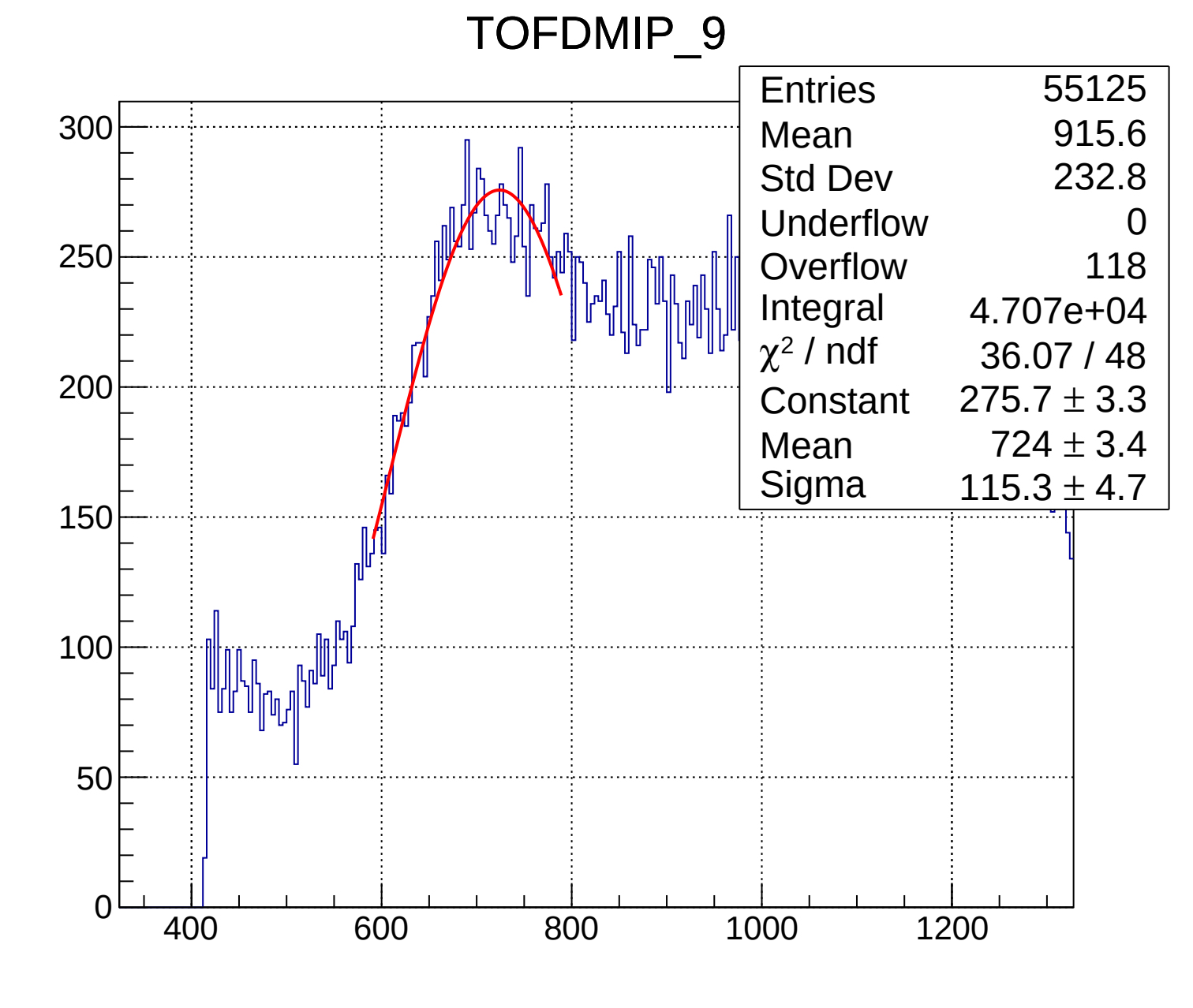

TOFDMIP_4
Entries 67438
Mean 958.5
Std Dev 229.2
Underflow 0
Overflow 24
Integral 6.079e+04
χ² / ndf 65.95 / 48
Constant 452.3 ± 4.5
Mean 851.4 ± 2.2
Sigma 126 ± 4.7
450
400
350
300
250
200
150
100
600
800
1000
1200
1400

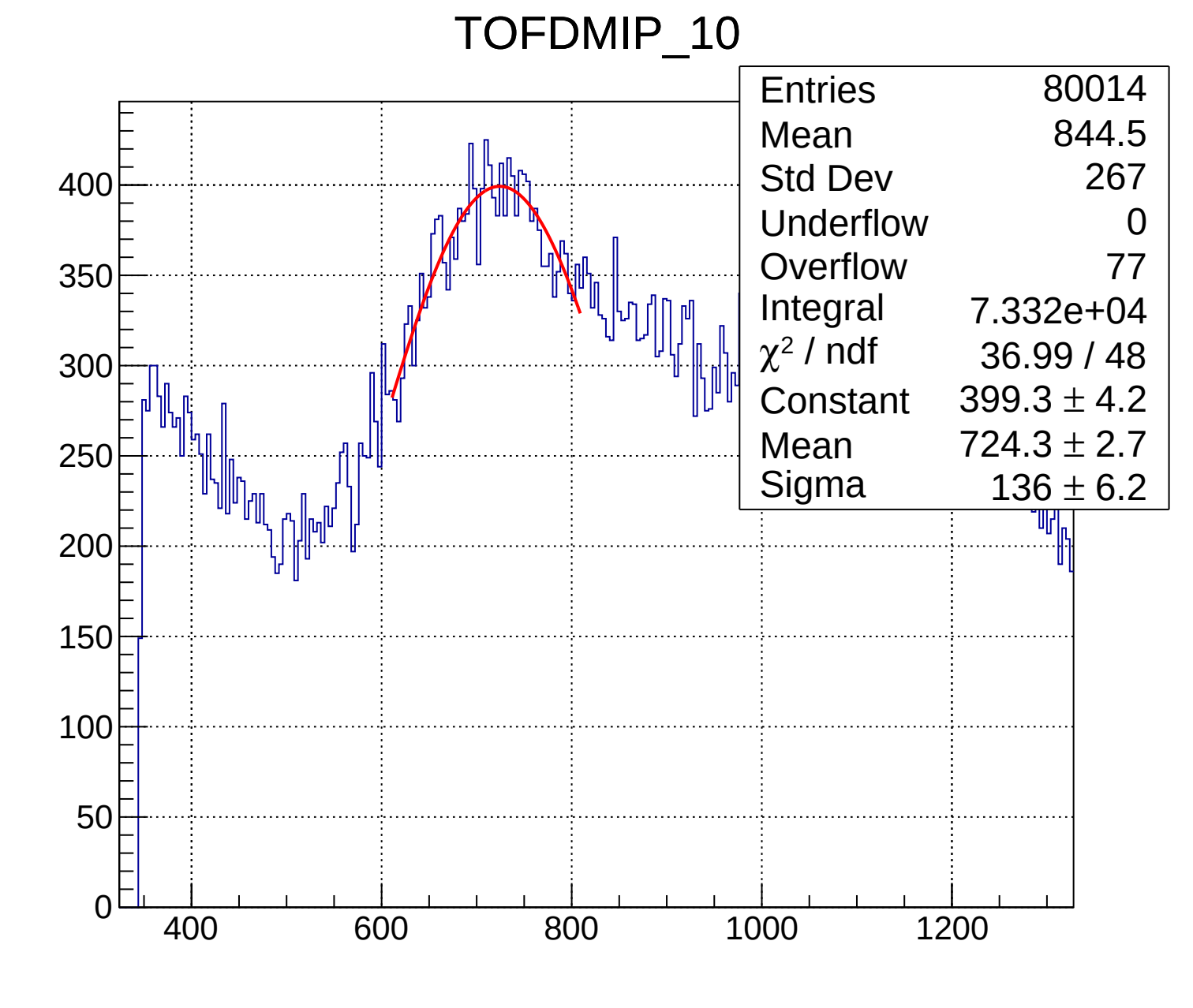

TOFDMIP_5
Entries 80949
Mean 869
Std Dev 218.2
Underflow 0
Overflow 32
Integral 7.455e+04
χ² / ndf 59.5 / 48
Constant 581.4 ± 5.1
Mean 792.7 ± 2.0
Sigma 127.5 ± 4.2
600
500
400
300
200
100
400
600
800
1000
1200

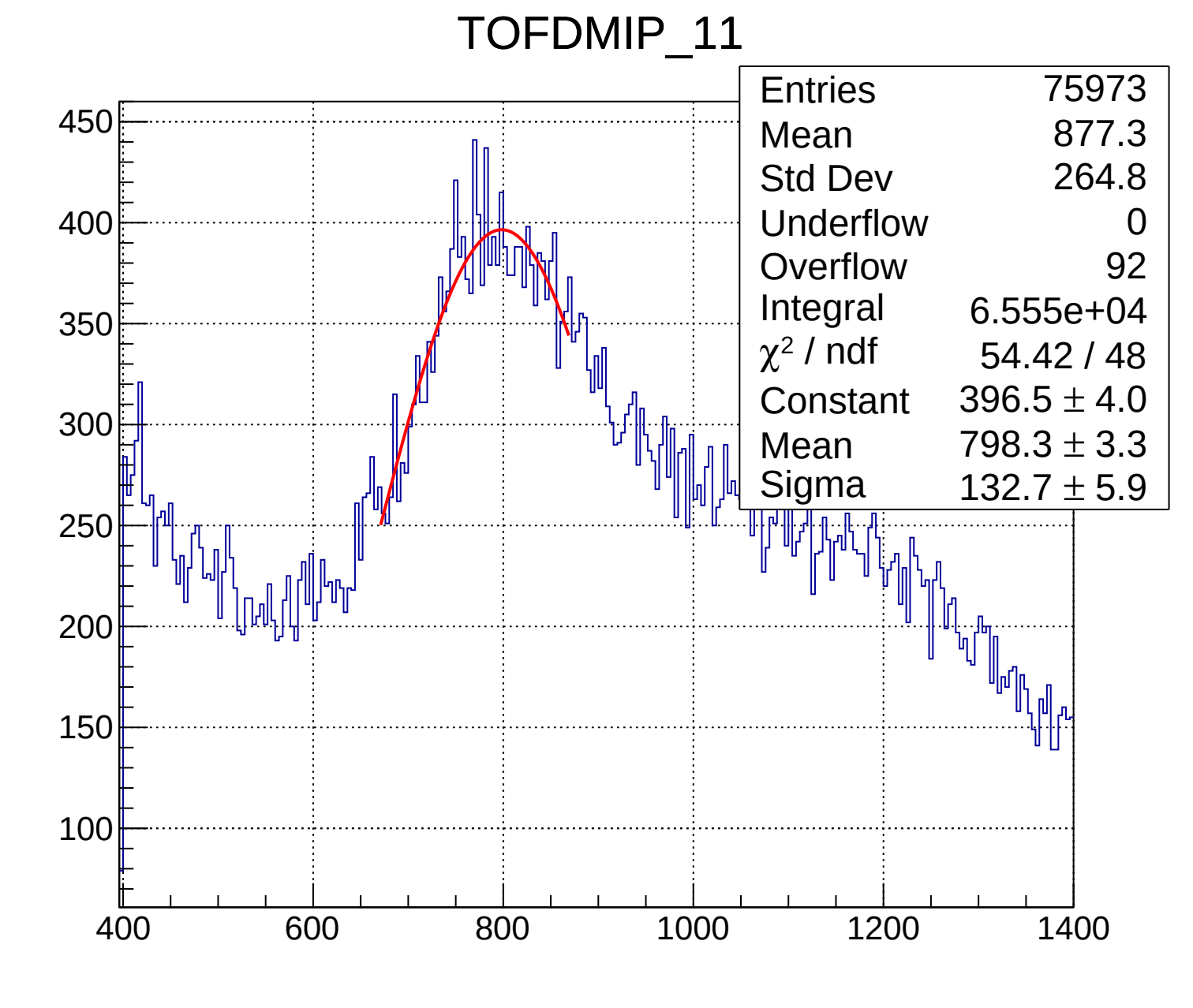

TOFDMIP_6
Entries 85447
Mean 1071
Std Dev 237.5
Underflow 0
Overflow 273
Integral 6.349e+04
χ² / ndf 52.72 / 48
Constant 415.5 ± 4.0
Mean 961 ± 11.7
Sigma 257.3 ± 38.9
450
400
350
300
250
200
150
100
600
800
1000
1200
1400

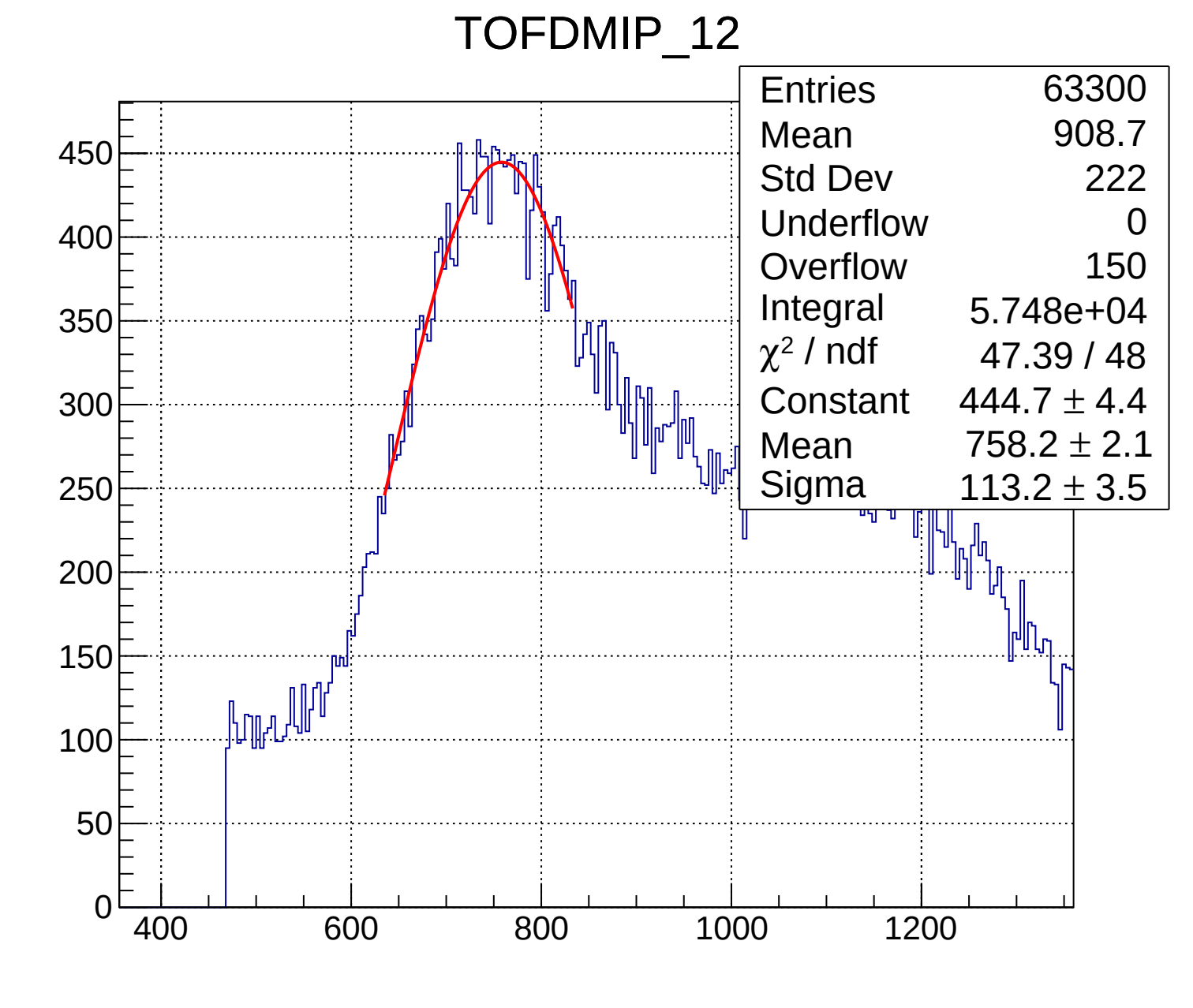

TOFDMIP_7
Entries 45224
Mean 917.2
Std Dev 227.2
Underflow 0
Overflow 91
Integral 3.815e+04
χ² / ndf 43.63 / 48
Constant 272.3 ± 3.5
Mean 744.5 ± 2.7
Sigma 125.2 ± 5.9
300
250
200
150
100
50
0
400
600
800
1000
1200

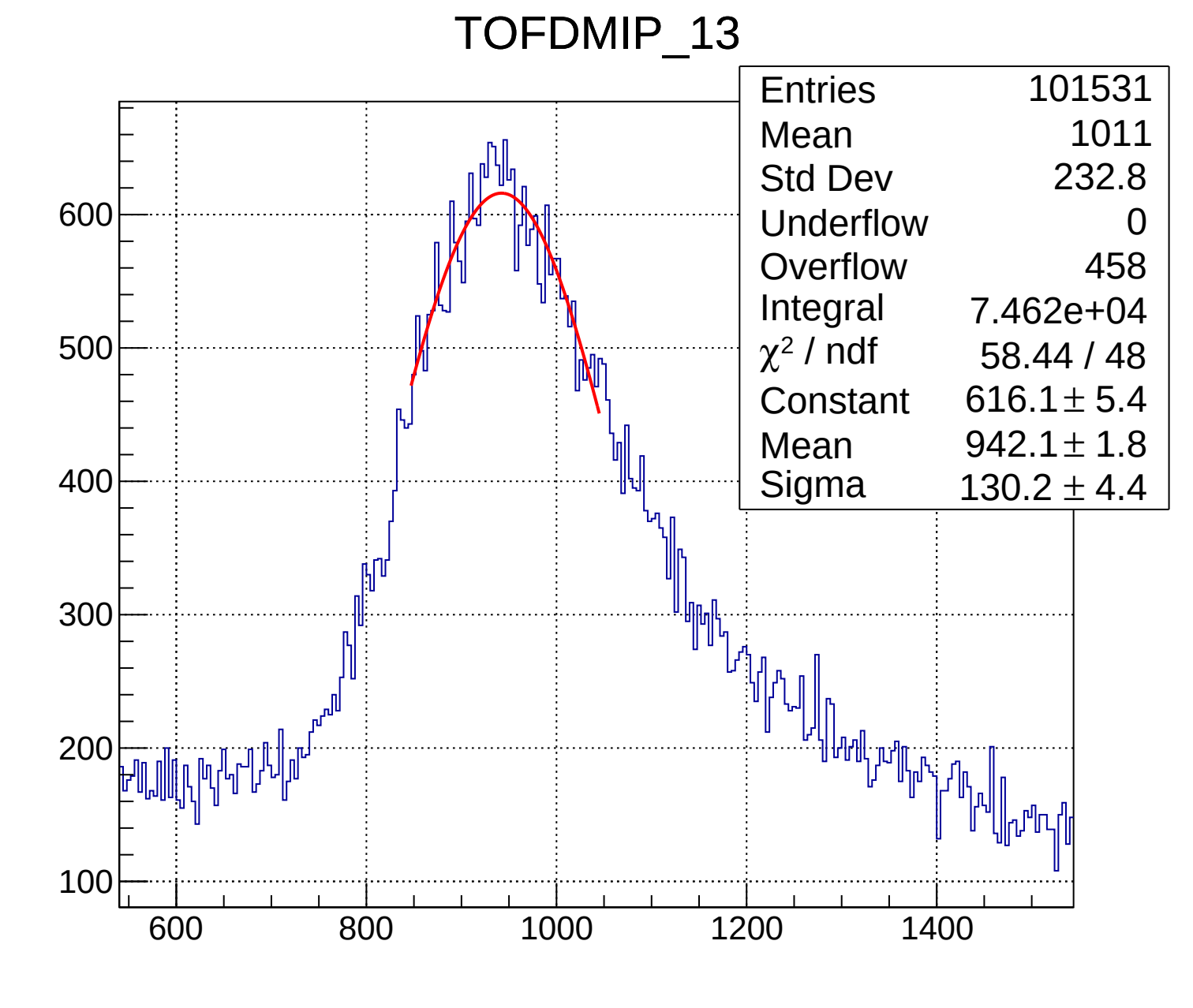

TOFDMIP_8
Entries 60414
Mean 968.2
Std Dev 234.1
Underflow 0
Overflow 27
Integral 5.338e+04
χ² / ndf 61.02 / 48
Constant 308.7 ± 3.8
Mean 778.7 ± 3.4
Sigma 154 ± 10.0
300
250
200
150
100
50
0
400
600
800
1000
1200

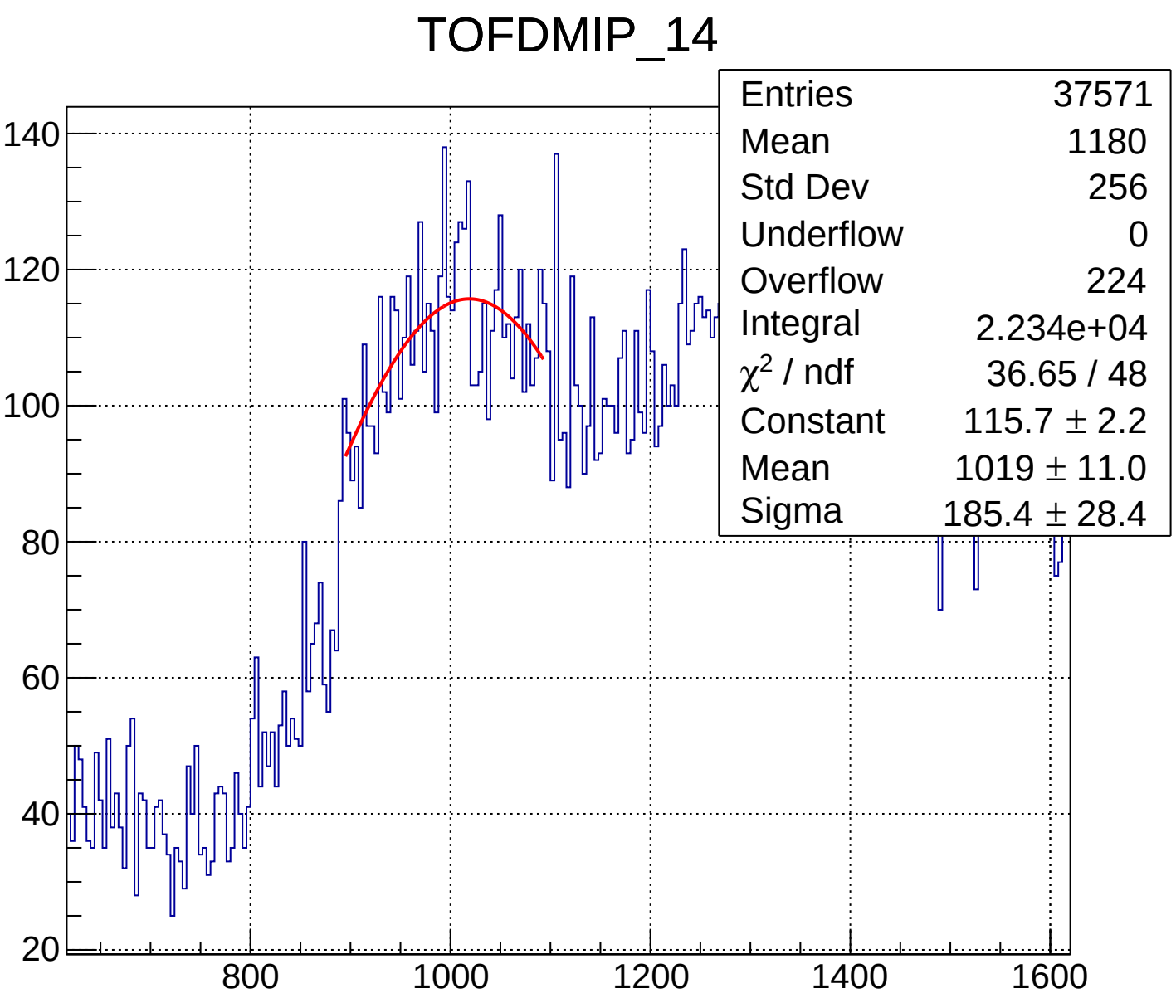

TOFDMIP_9
Entries 55125
Mean 915.6
Std Dev 232.8
Underflow 0
Overflow 118
Integral 4.707e+04
χ² / ndf 36.07 / 48
Constant 275.7 ± 3.3
Mean 724 ± 3.4
Sigma 115.3 ± 4.7
300
250
200
150
100
50
0
400
600
800
1000
1200

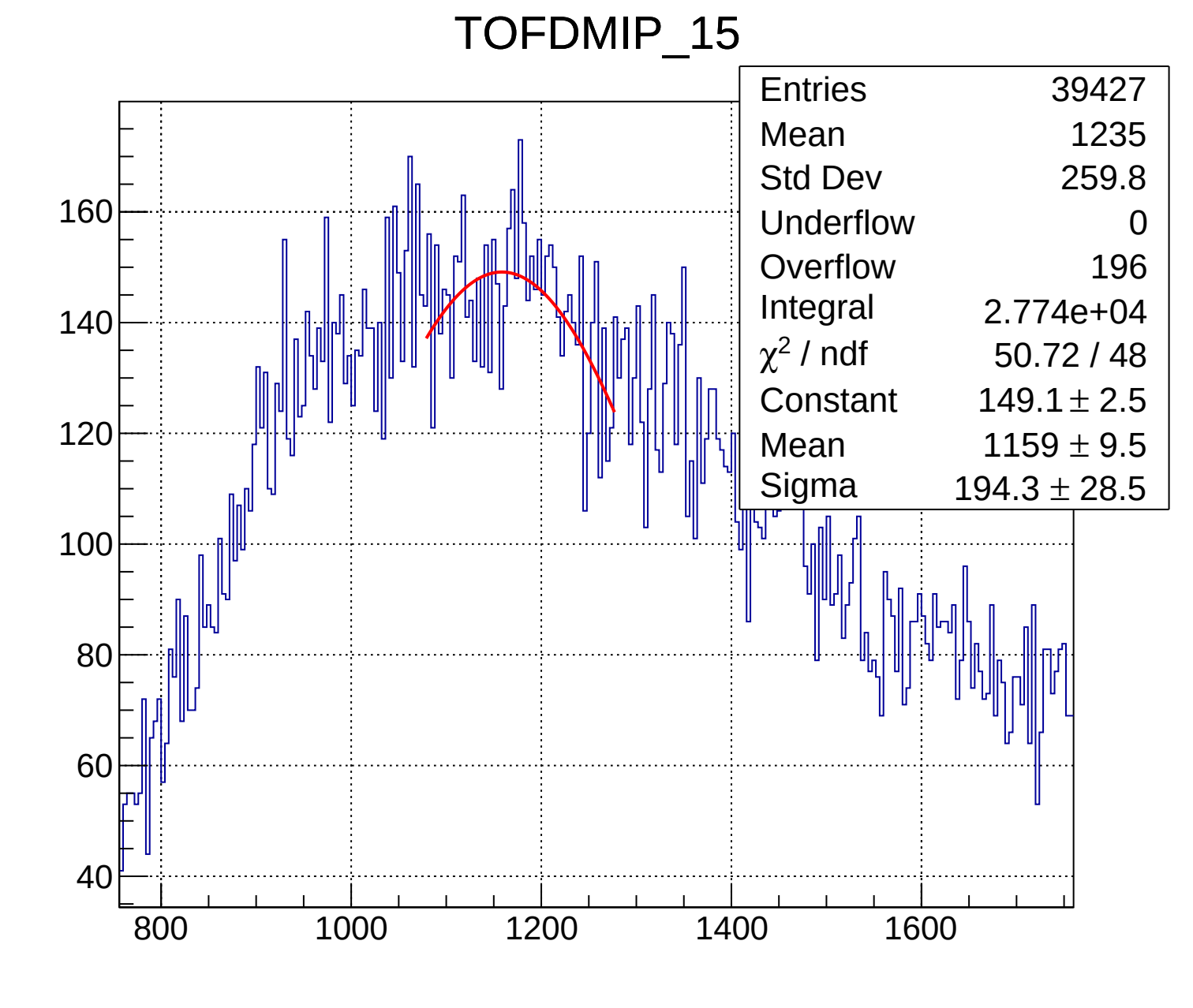

TOFDMIP_10
Entries 80014
Mean 844.5
Std Dev 267
Underflow 0
Overflow 77
Integral 7.332e+04
χ² / ndf 36.99 / 48
Constant 399.3 ± 4.2
Mean 724.3 ± 2.7
Sigma 136 ± 6.2
400
350
300
250
200
150
100
50
0
400
600
800
1000
1200

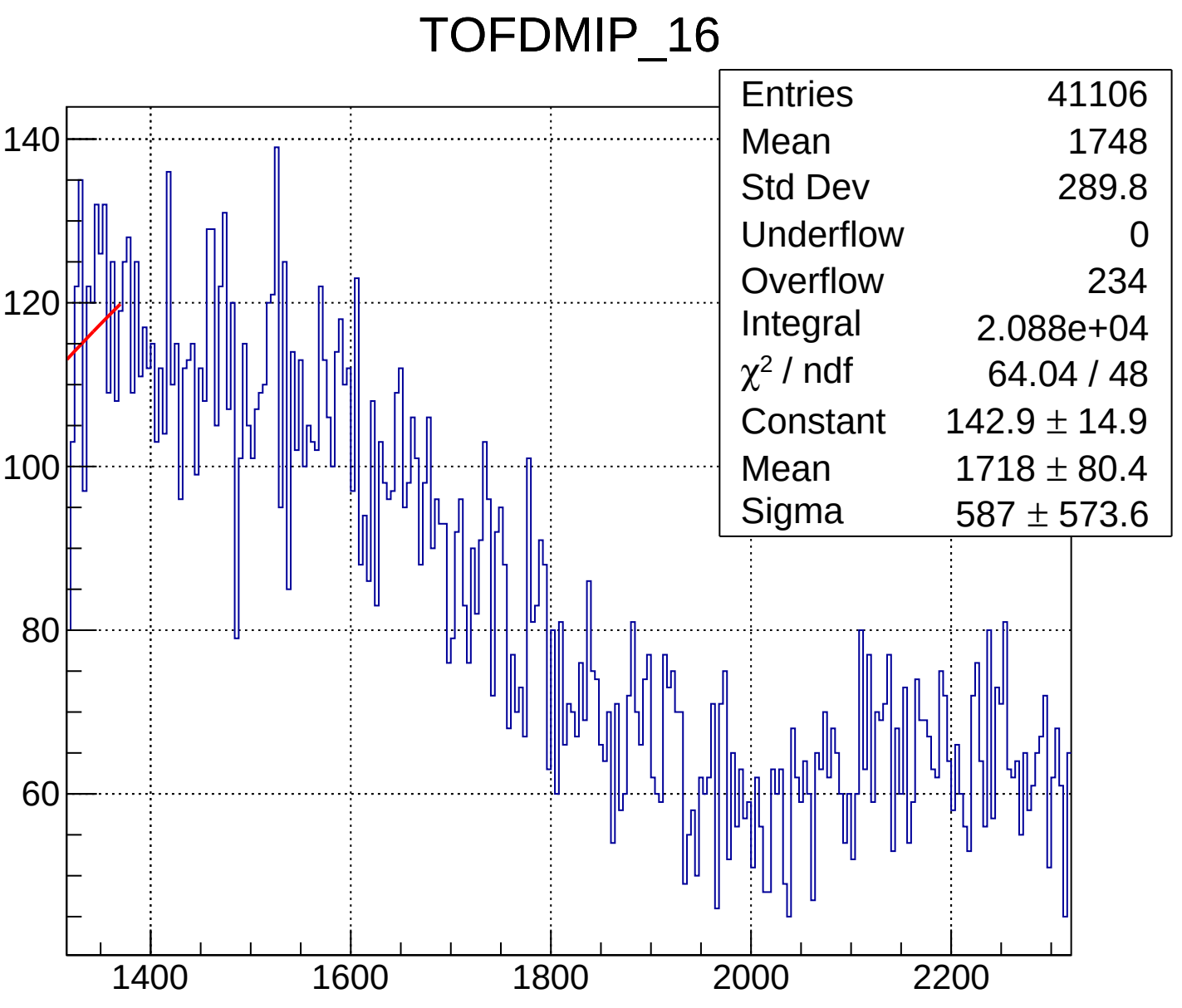

TOFDMIP_11
Entries 75973
Mean 877.3
Std Dev 264.8
Underflow 0
Overflow 92
Integral 6.555e+04
χ² / ndf 54.42 / 48
Constant 396.5 ± 4.0
Mean 798.3 ± 3.3
Sigma 132.7 ± 5.9
450
400
350
300
250
200
150
100
400
600
800
1000
1200
1400

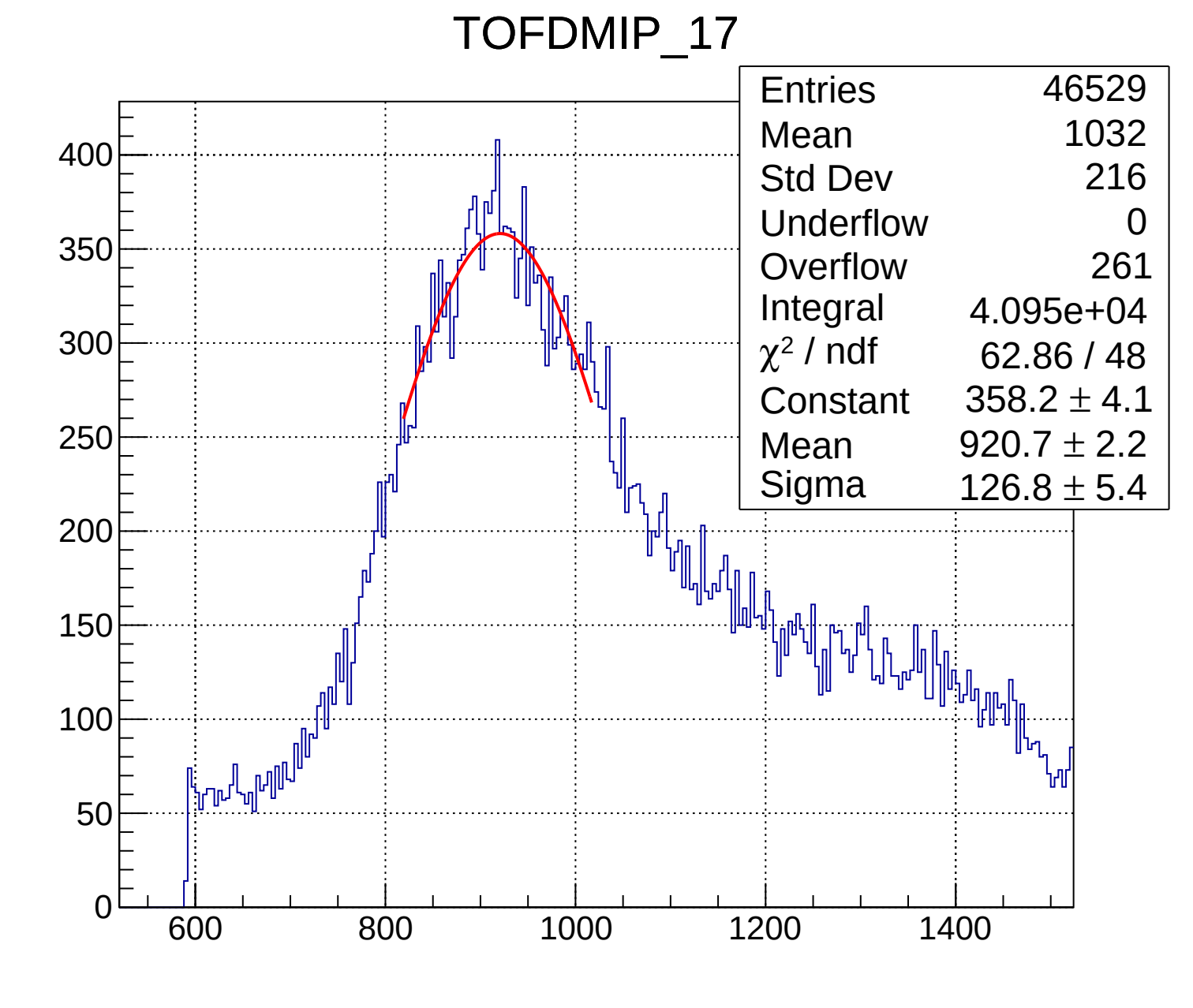

TOFDMIP_12
Entries 63300
Mean 908.7
Std Dev 222
Underflow 0
Overflow 150
Integral 5.748e+04
χ² / ndf 47.39 / 48
Constant 444.7 ± 4.4
Mean 758.2 ± 2.1
Sigma 113.2 ± 3.5
450
400
350
300
250
200
150
100
50
0
400
600
800
1000
1200

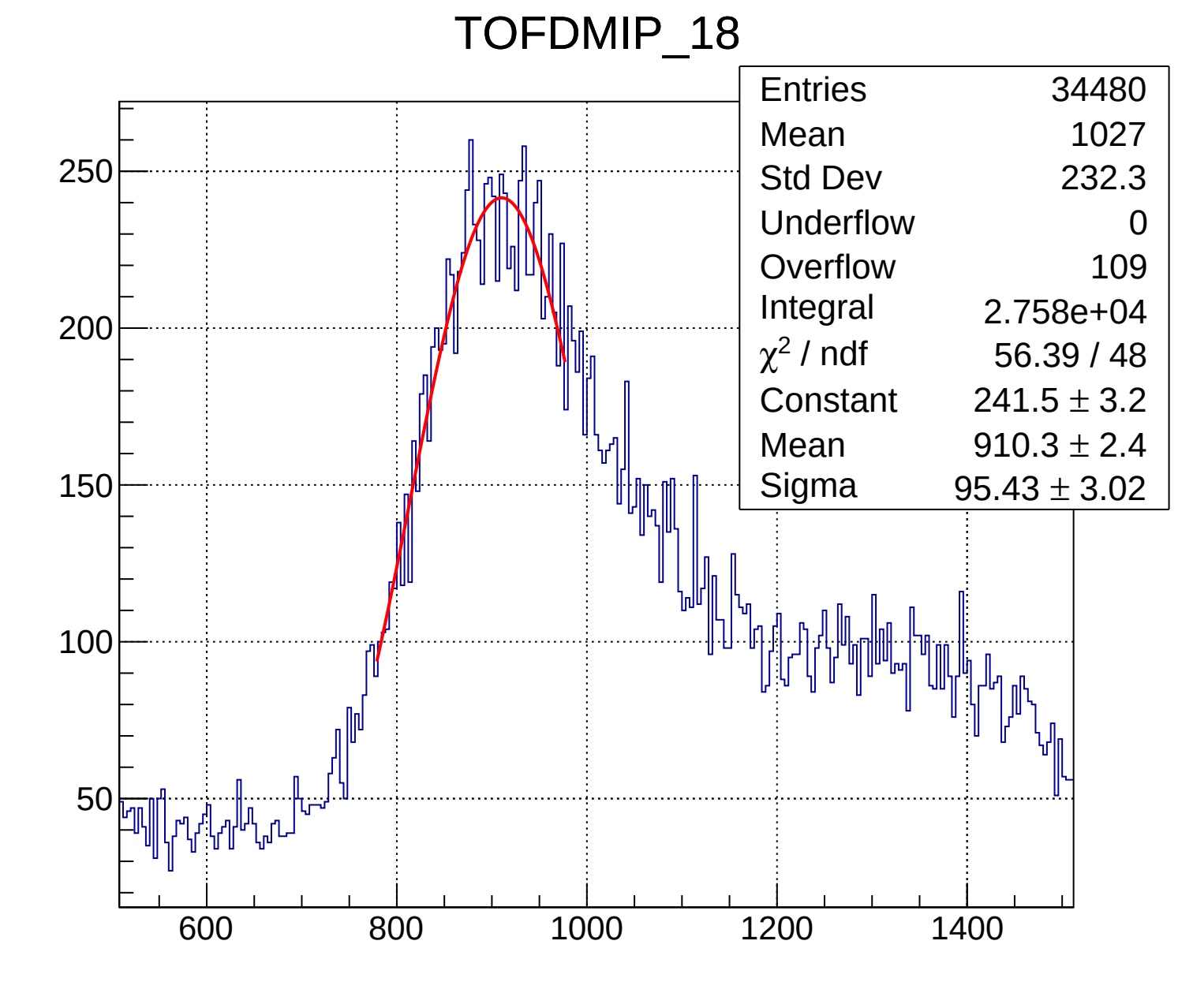

TOFDMIP_13
Entries 101531
Mean 1011
Std Dev 232.8
Underflow 0
Overflow 458
Integral 7.462e+04
χ² / ndf 58.44 / 48
Constant 616.1 ± 5.4
Mean 942.1 ± 1.8
Sigma 130.2 ± 4.4
600
500
400
300
200
100
600
800
1000
1200
1400

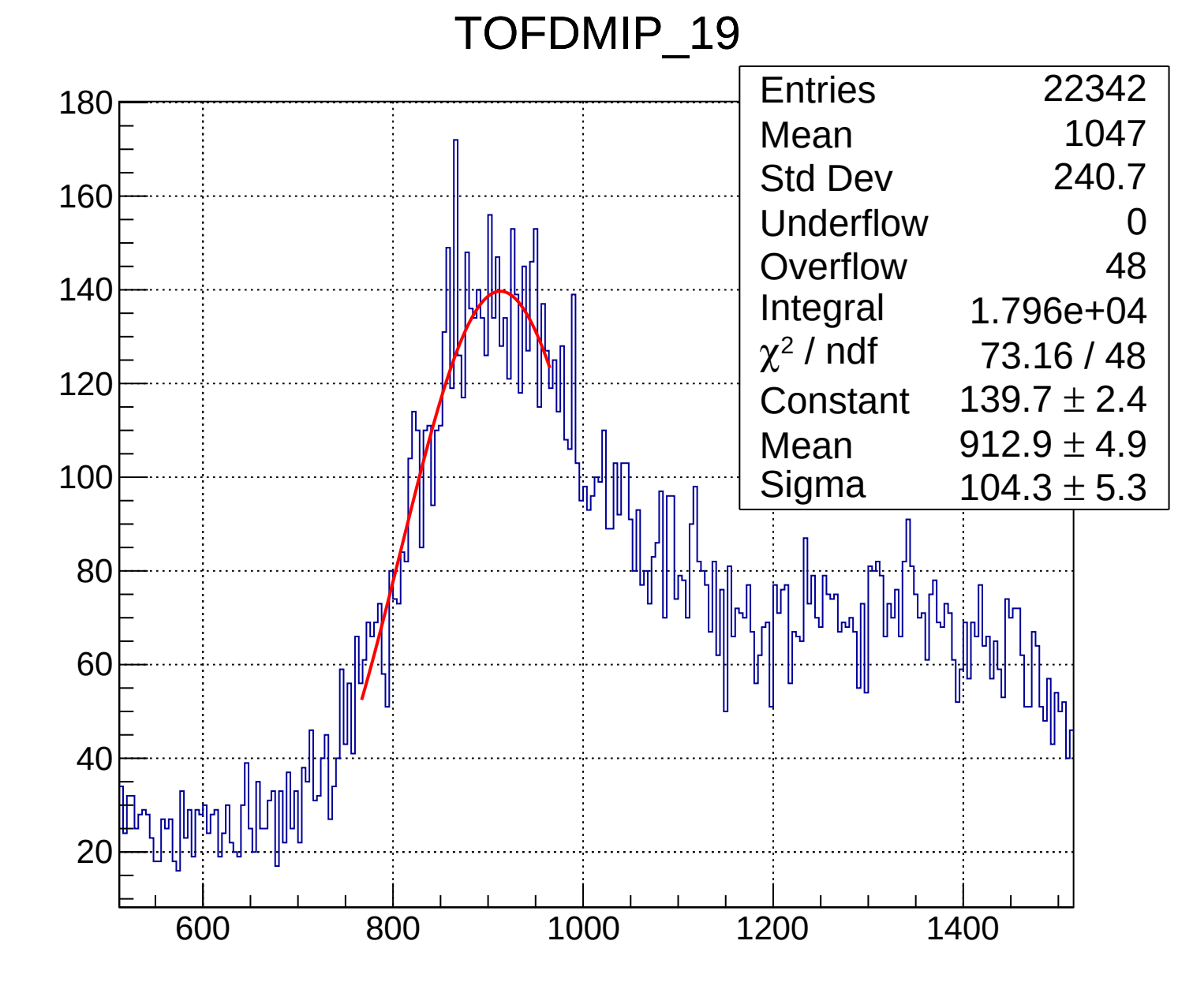

TOFDMIP_14
Entries 37571
Mean 1180
Std Dev 256
Underflow 0
Overflow 224
Integral 2.234e+04
χ² / ndf 36.65 / 48
Constant 115.7 ± 2.2
Mean 1019 ± 11.0
Sigma 185.4 ± 28.4
140
120
100
80
60
40
20
800
1000
1200
1400
1600

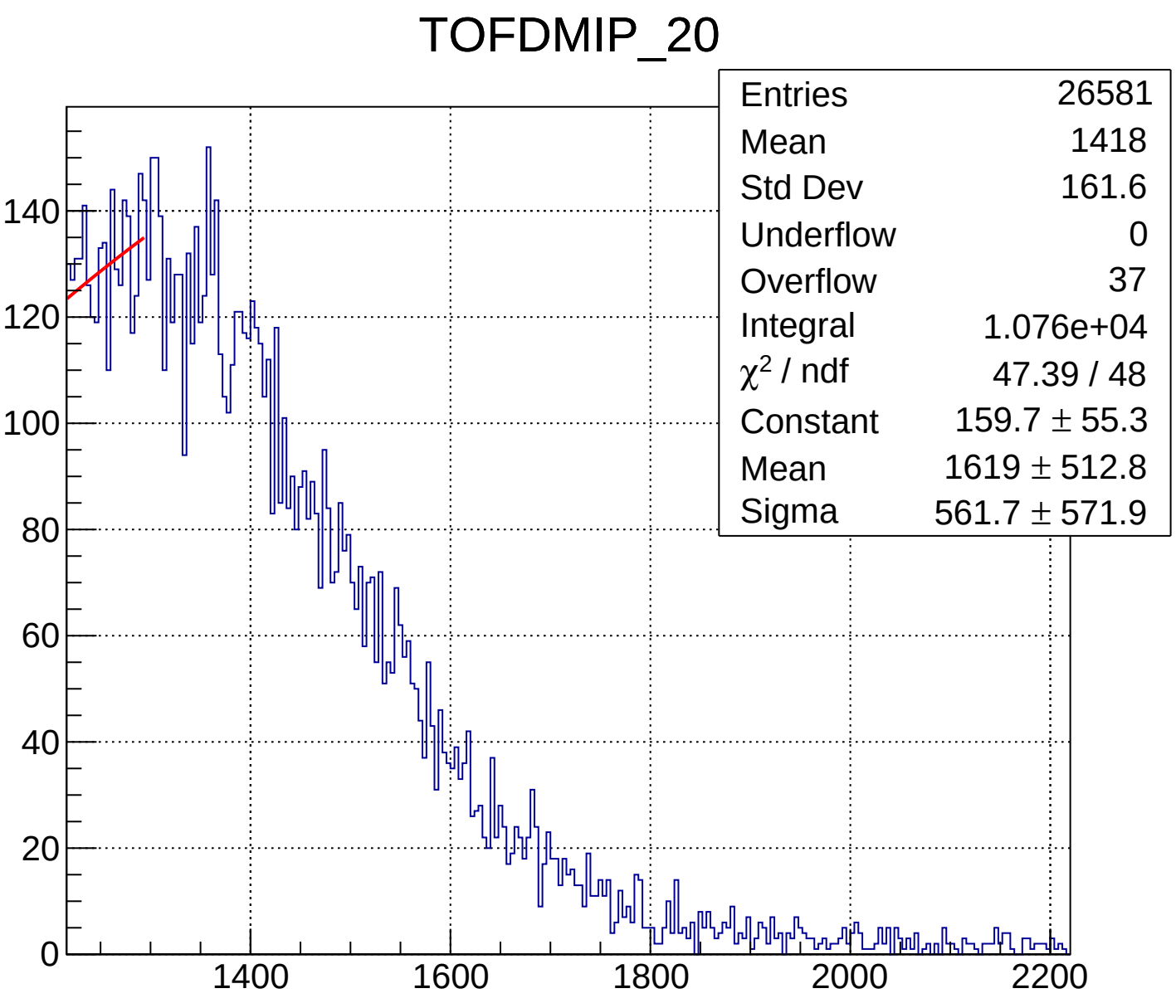

TOFDMIP_15
Entries 39427
Mean 1235
Std Dev 259.8
Underflow 0
Overflow 196
Integral 2.774e+04
χ² / ndf 50.72 / 48
Constant 149.1 ± 2.5
Mean 1159 ± 9.5
Sigma 194.3 ± 28.5
160
140
120
100
80
60
40
800
1000
1200
1400
1600

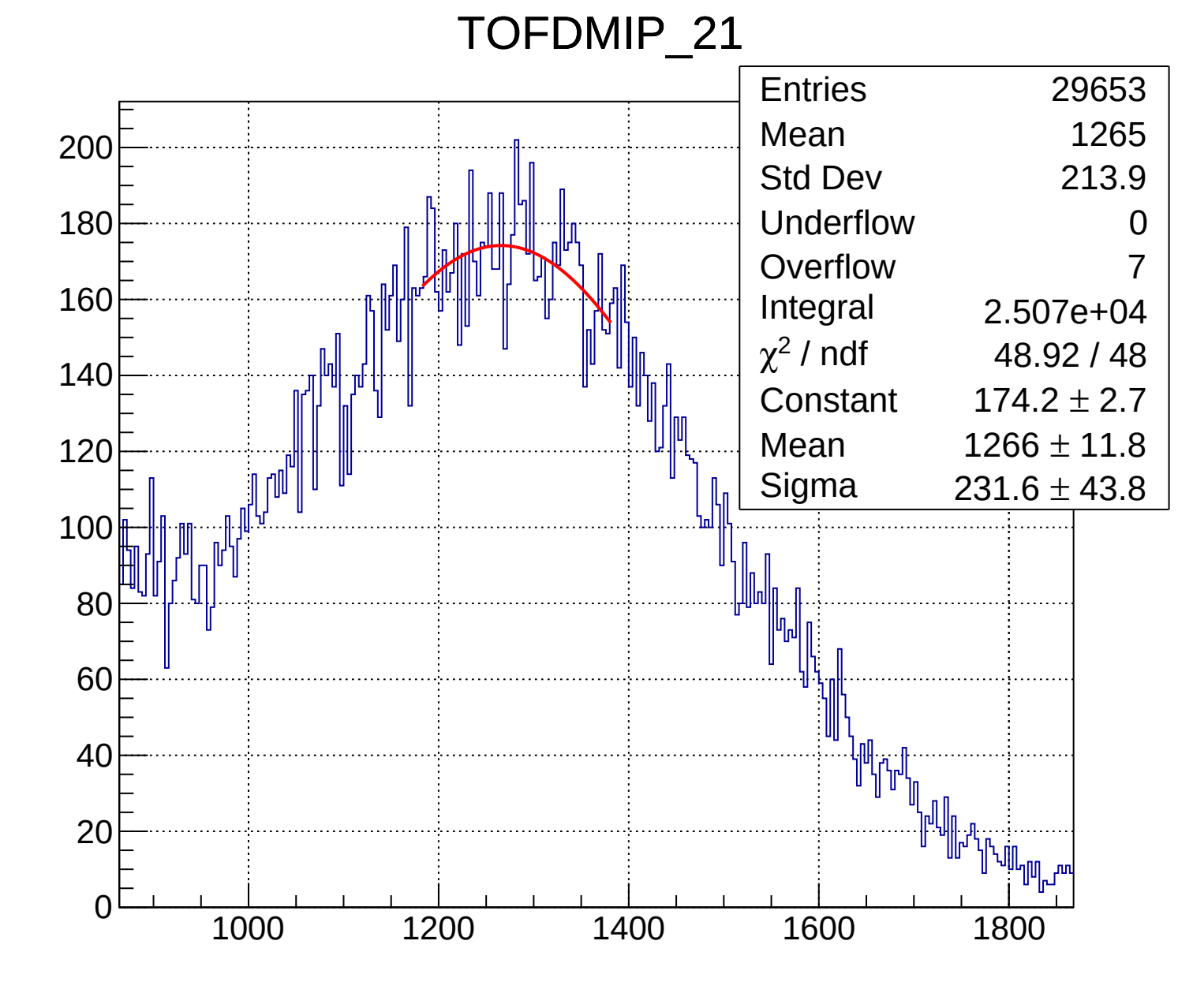

TOFDMIP_16
Entries 41106
Mean 1748
Std Dev 289.8
Underflow 0
Overflow 234
Integral 2.088e+04
χ² / ndf 64.04 / 48
Constant 142.9 ± 14.9
Mean 1718 ± 80.4
Sigma 587 ± 573.6
140
120
100
80
60
1400
1600
1800
2000
2200

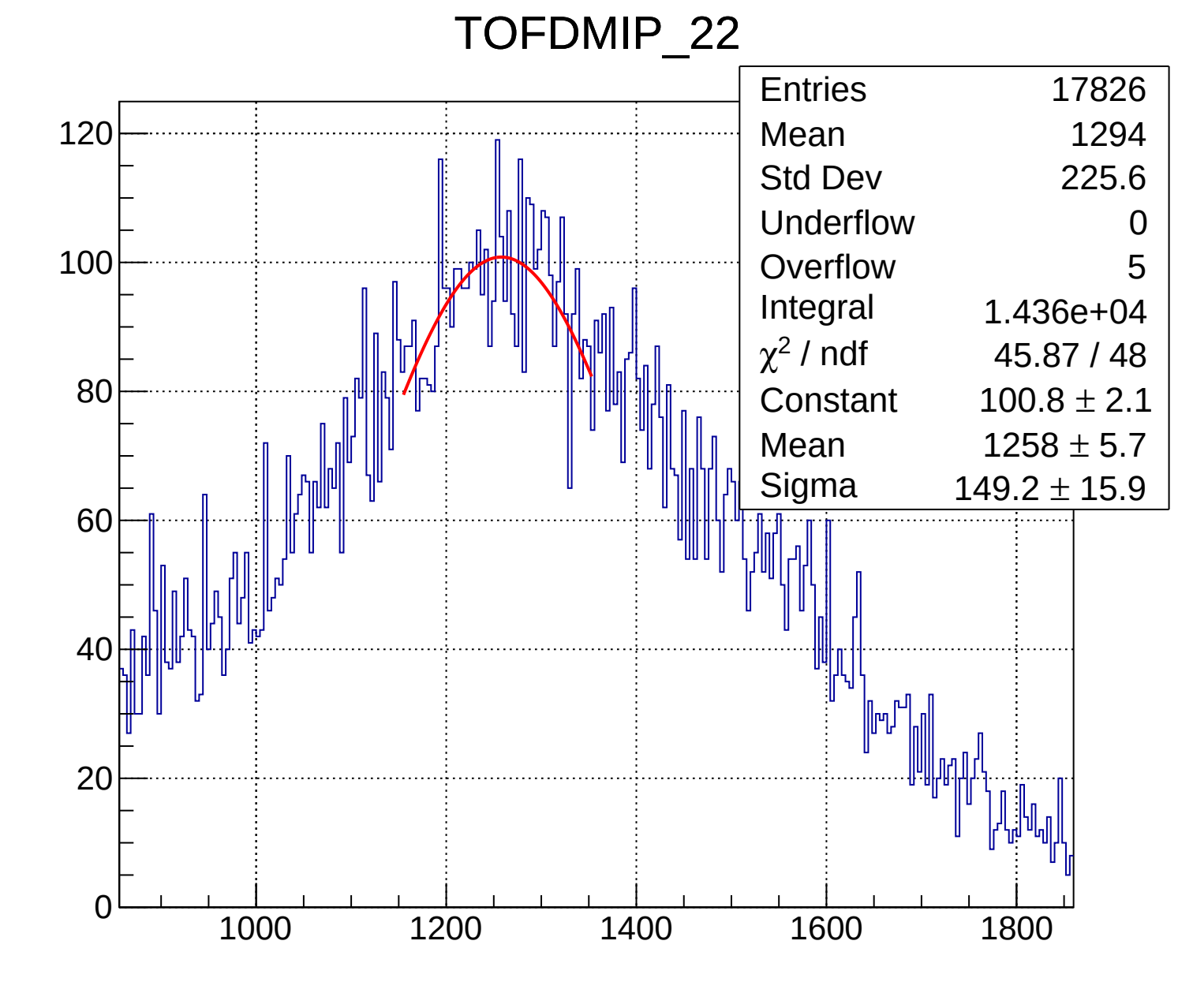

TOFDMIP_17
Entries 46529
Mean 1032
Std Dev 216
Underflow 0
Overflow 261
Integral 4.095e+04
χ² / ndf 62.86 / 48
Constant 358.2 ± 4.1
Mean 920.7 ± 2.2
Sigma 126.8 ± 5.4
400
350
300
250
200
150
100
50
0
600
800
1000
1200
1400

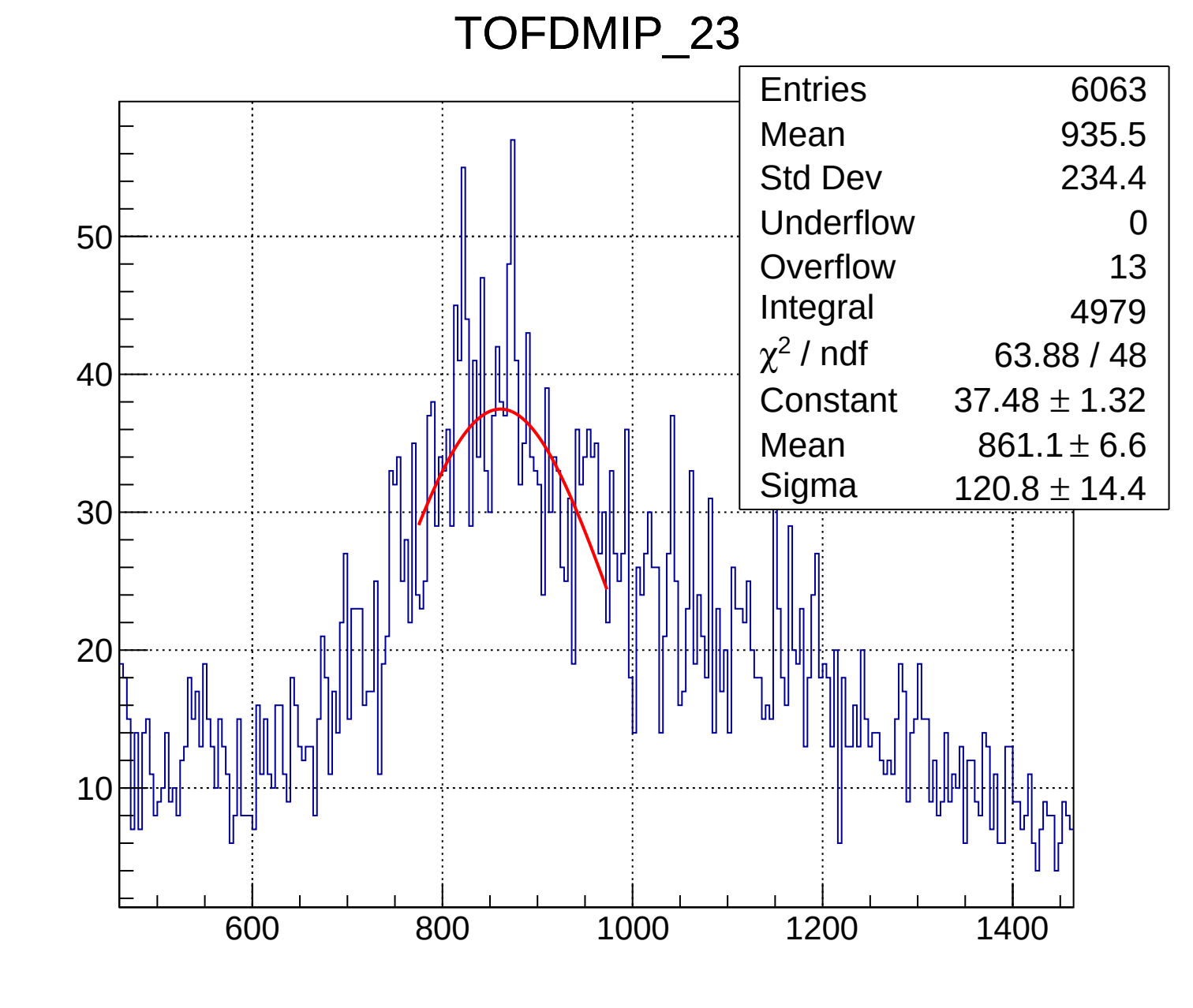

TOFDMIP_18
Entries 34480
Mean 1027
Std Dev 232.3
Underflow 0
Overflow 109
Integral 2.758e+04
χ² / ndf 56.39 / 48
Constant 241.5 ± 3.2
Mean 910.3 ± 2.4
Sigma 95.43 ± 3.02
250
200
150
100
50
600
800
1000
1200
1400

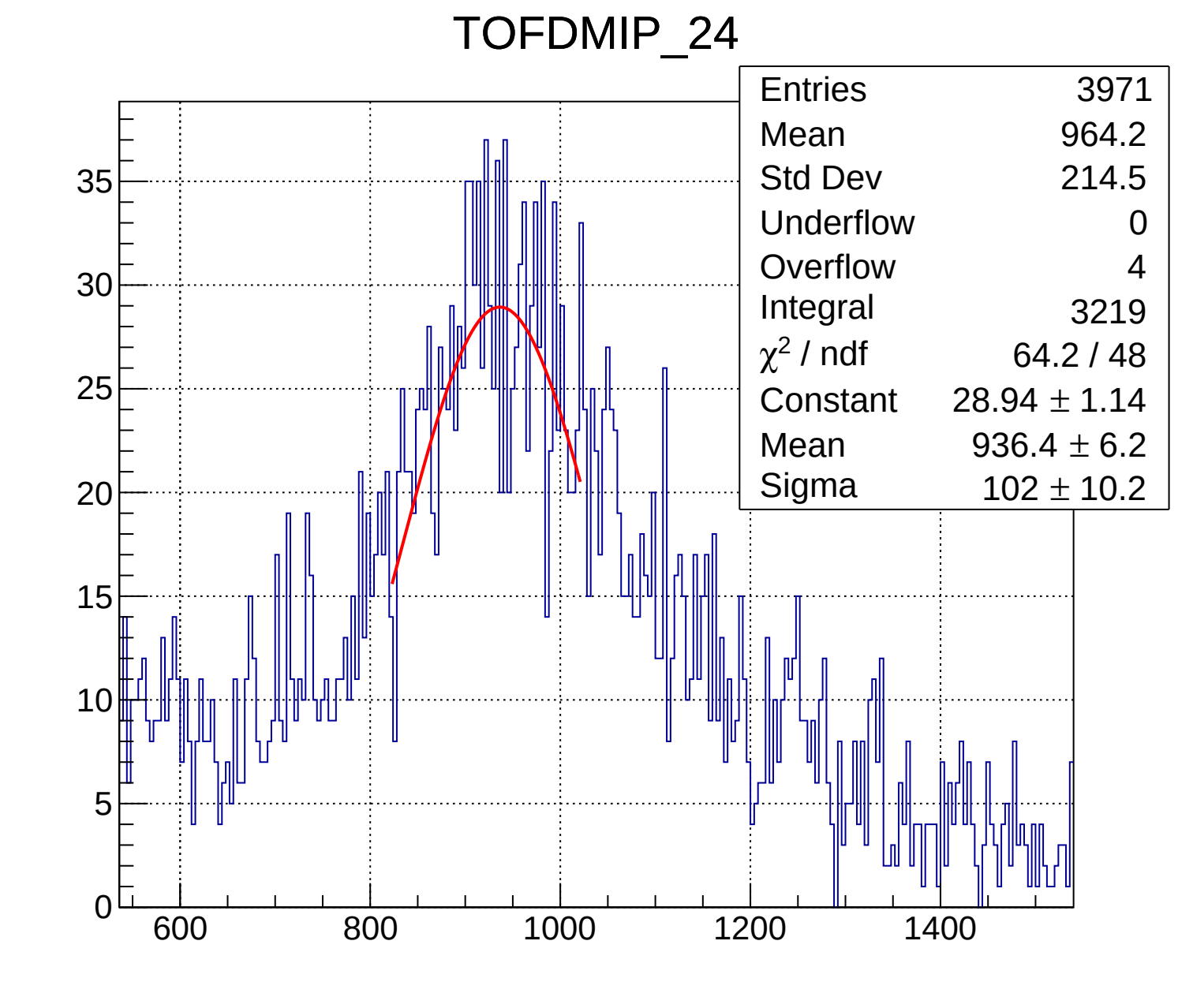

TOFDMIP_19
Entries 22342
Mean 1047
Std Dev 240.7
Underflow 0
Overflow 48
Integral 1.796e+04
χ² / ndf 73.16 / 48
Constant 139.7 ± 2.4
Mean 912.9 ± 4.9
Sigma 104.3 ± 5.3
180
160
140
120
100
80
60
40
20
600
800
1000
1200
1400

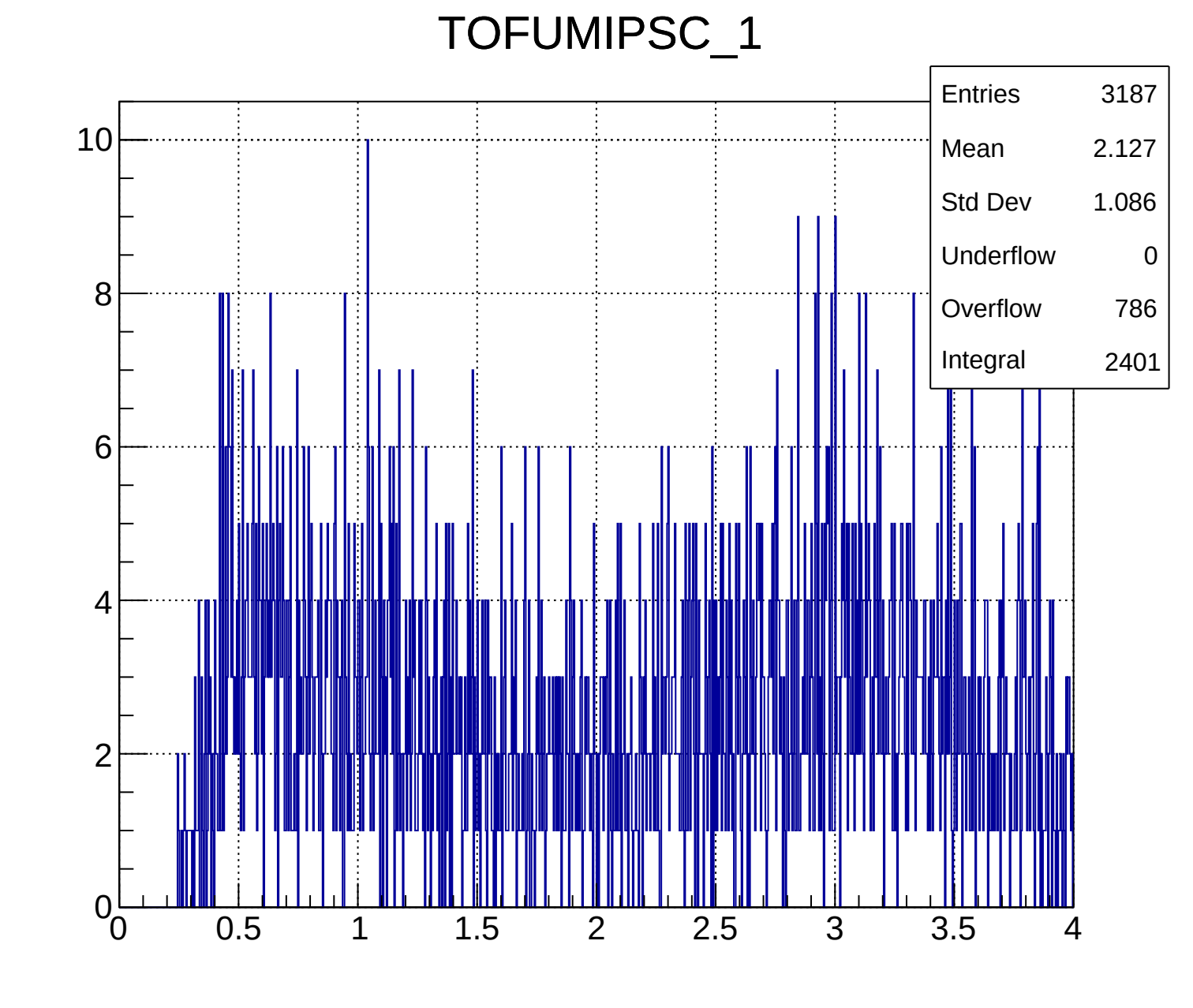

TOFDMIP_20
Entries 26581
Mean 1418
Std Dev 161.6
Underflow 0
Overflow 37
Integral 1.076e+04
χ² / ndf 47.39 / 48
Constant 159.7 ± 55.3
Mean 1619 ± 512.8
Sigma 561.7 ± 571.9
140
120
100
80
60
40
20
0
1400
1600
1800
2000
2200


TOFDMIP_21
Entries 29653
Mean 1265
Std Dev 213.9
Underflow 0
Overflow 7
Integral 2.507e+04
χ² / ndf 48.92 / 48
Constant 174.2 ± 2.7
Mean 1266 ± 11.8
Sigma 231.6 ± 43.8
200
180
160
140
120
100
80
60
40
20
0
1000
1200
1400
1600
1800


TOFDMIP_22
Entries 17826
Mean 1294
Std Dev 225.6
Underflow 0
Overflow 5
Integral 1.436e+04
χ² / ndf 45.87 / 48
Constant 100.8 ± 2.1
Mean 1258 ± 5.7
Sigma 149.2 ± 15.9
120
100
80
60
40
20
0
1000
1200
1400
1600
1800


TOFDMIP_23
Entries 6063
Mean 935.5
Std Dev 234.4
Underflow 0
Overflow 13
Integral 4979
χ2 / ndf 63.88 / 48
Constant 37.48 ± 1.32
Mean 861.1 ± 6.6
Sigma 120.8 ± 14.4
50
40
30
20
10
600
800
1000
1200
1400


TOFDMIP_24
Entries 3971
Mean 964.2
Std Dev 214.5
Underflow 0
Overflow 4
Integral 3219
χ² / ndf 64.2 / 48
Constant 28.94 ± 1.14
Mean 936.4 ± 6.2
Sigma 102 ± 10.2
0
5
10
15
20
25
30
35
600
800
1000
1200
1400


TOFUMIPSC_1
Entries 3187
Mean 2.127
Std Dev 1.086
Underflow 0
Overflow 786
Integral 2401
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1.5
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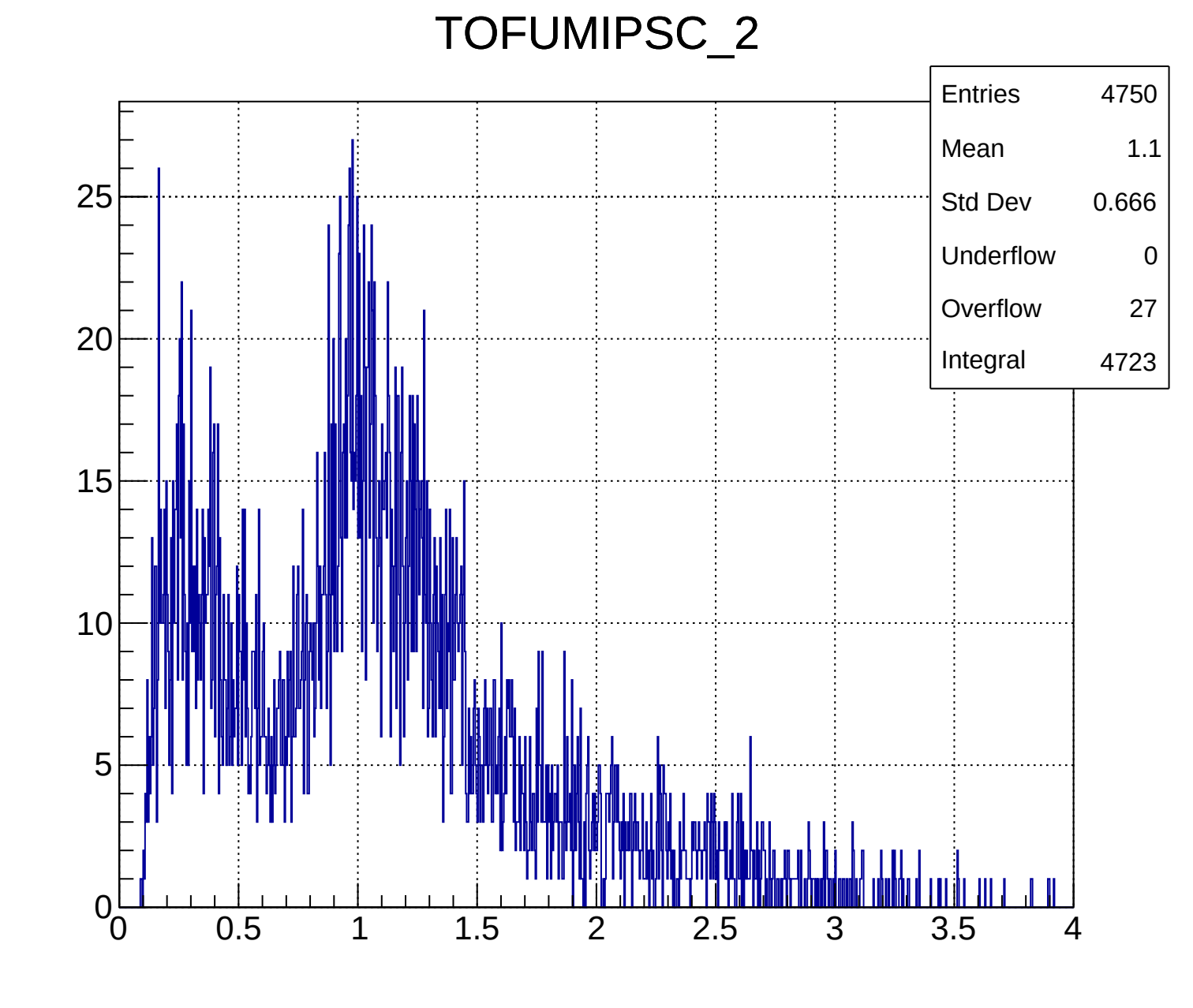
3.5
4


TOFUMIPSC_2
Entries 4750
Mean 1.1
Std Dev 0.666
Underflow 0
Overflow 27
Integral 4723
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15
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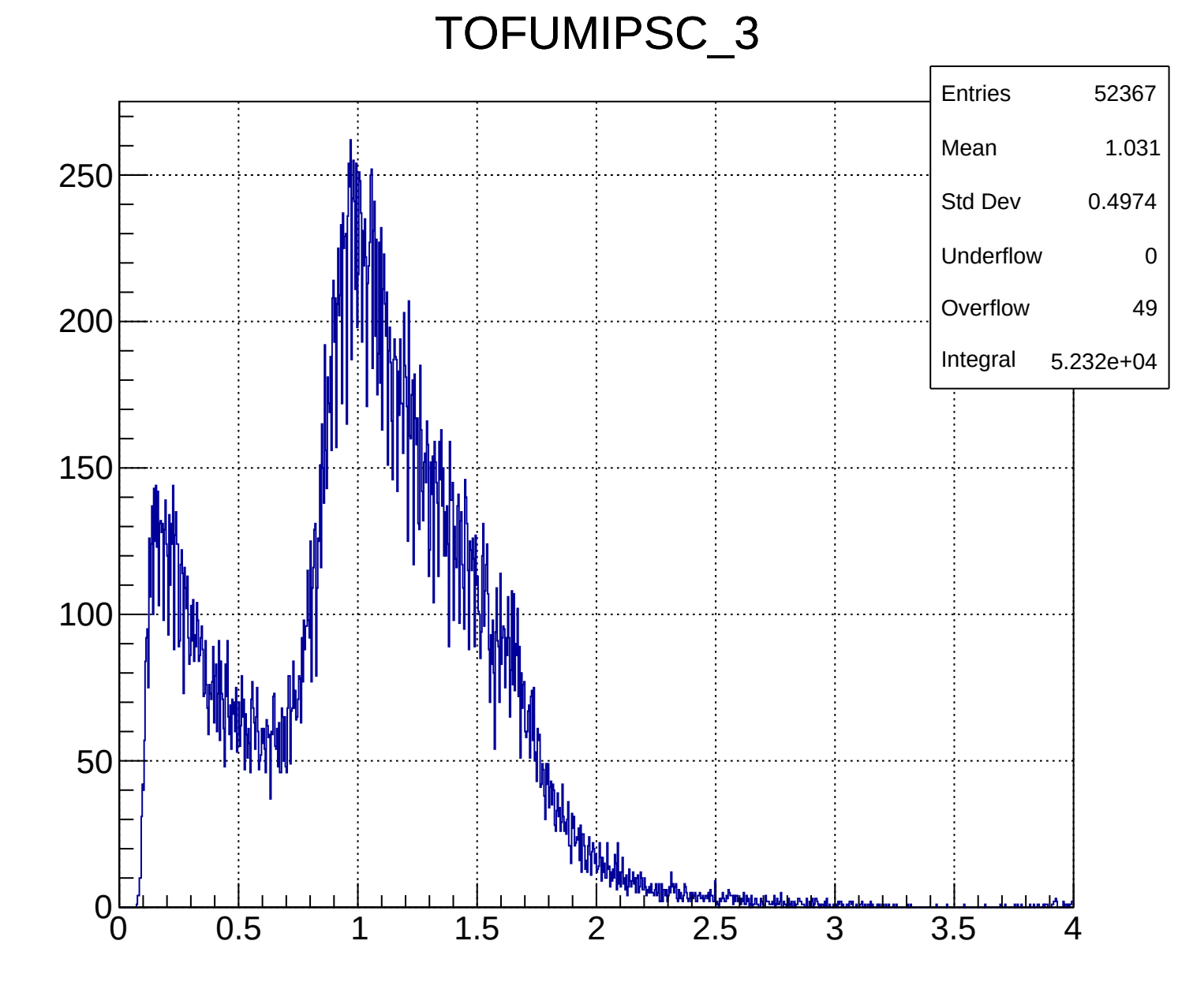
2.5
3
3.5
4


TOFUMIPSC_3
Entries 52367
Mean 1.031
Std Dev 0.4974
Underflow 0
Overflow 49
Integral 5.232e+04
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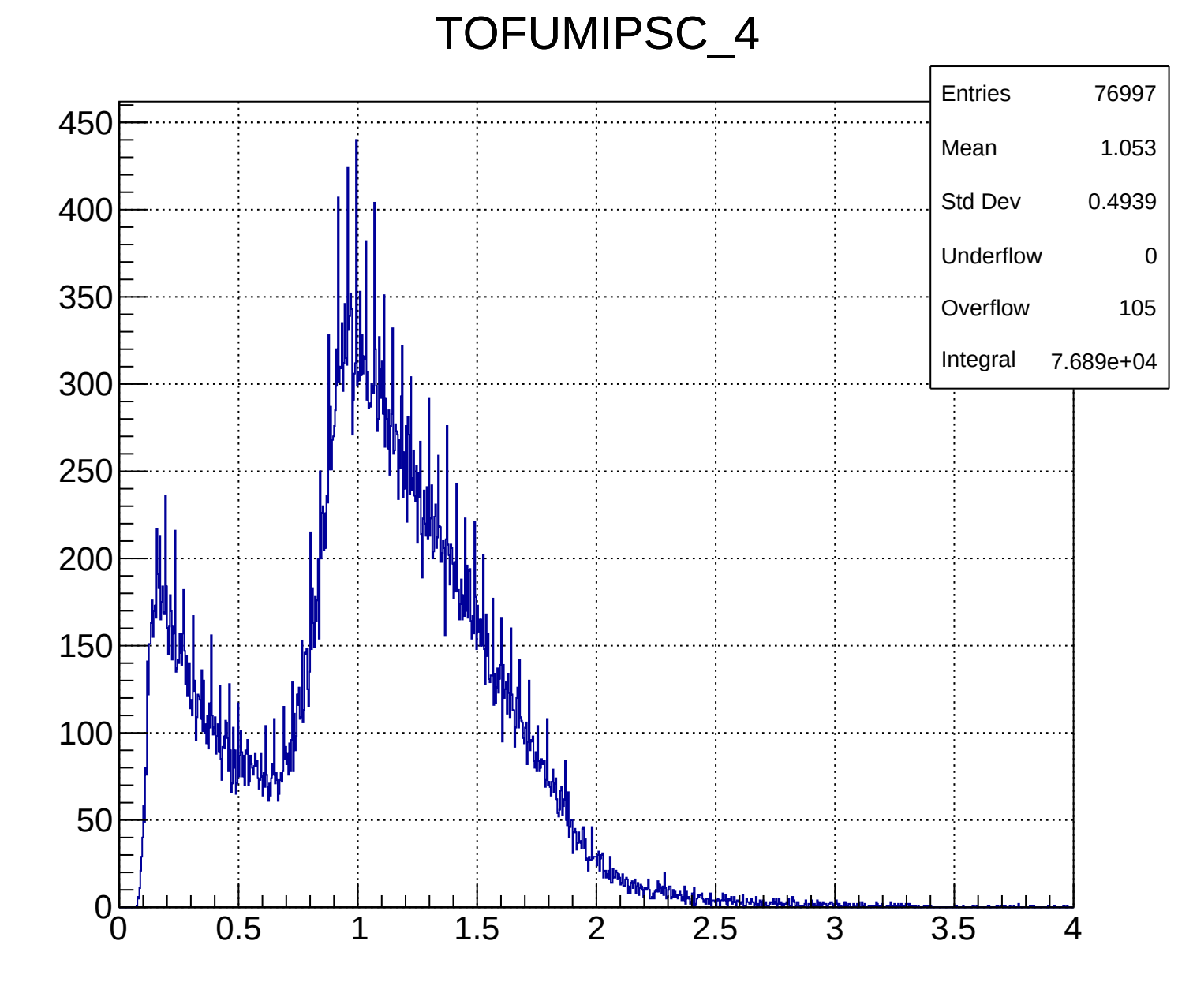
3.5
4


TOFUMIPSC_4
Entries 76997
Mean 1.053
Std Dev 0.4939
Underflow 0
Overflow 105
Integral 7.689e+04
450
400
350
300
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200
150
100
50
0
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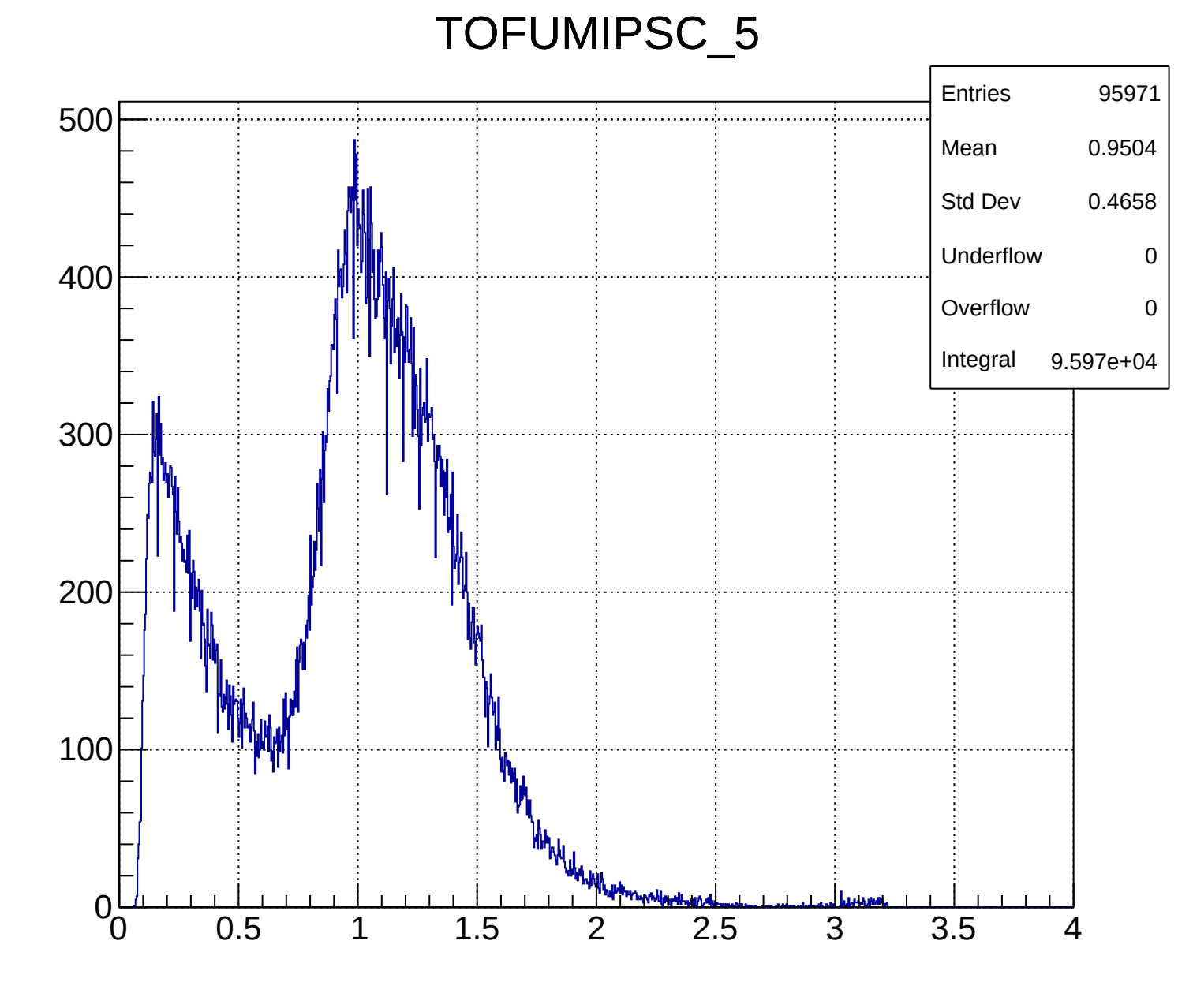
1.5
2
2.5
3
3.5
4


TOFUMIPSC_5
Entries 95971
Mean 0.9504
Std Dev 0.4658
Underflow 0
Overflow 0
Integral 9.597e+04
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400
300
200
100
0
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1.5
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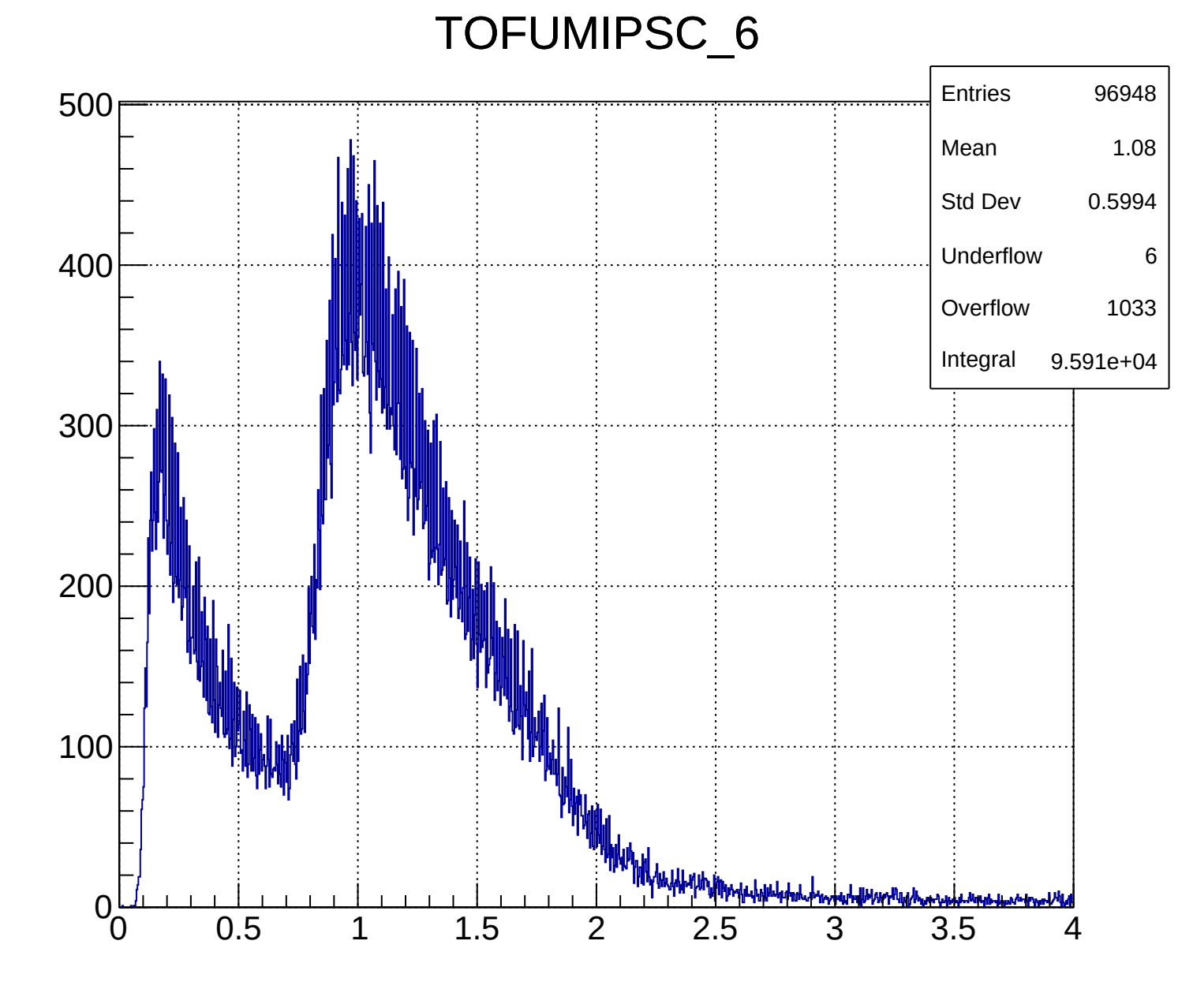
2.5
3
3.5
4


TOFUMIPSC_6
Entries 96948
Mean 1.08
Std Dev 0.5994
Underflow 6
Overflow 1033
Integral 9.591e+04
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100
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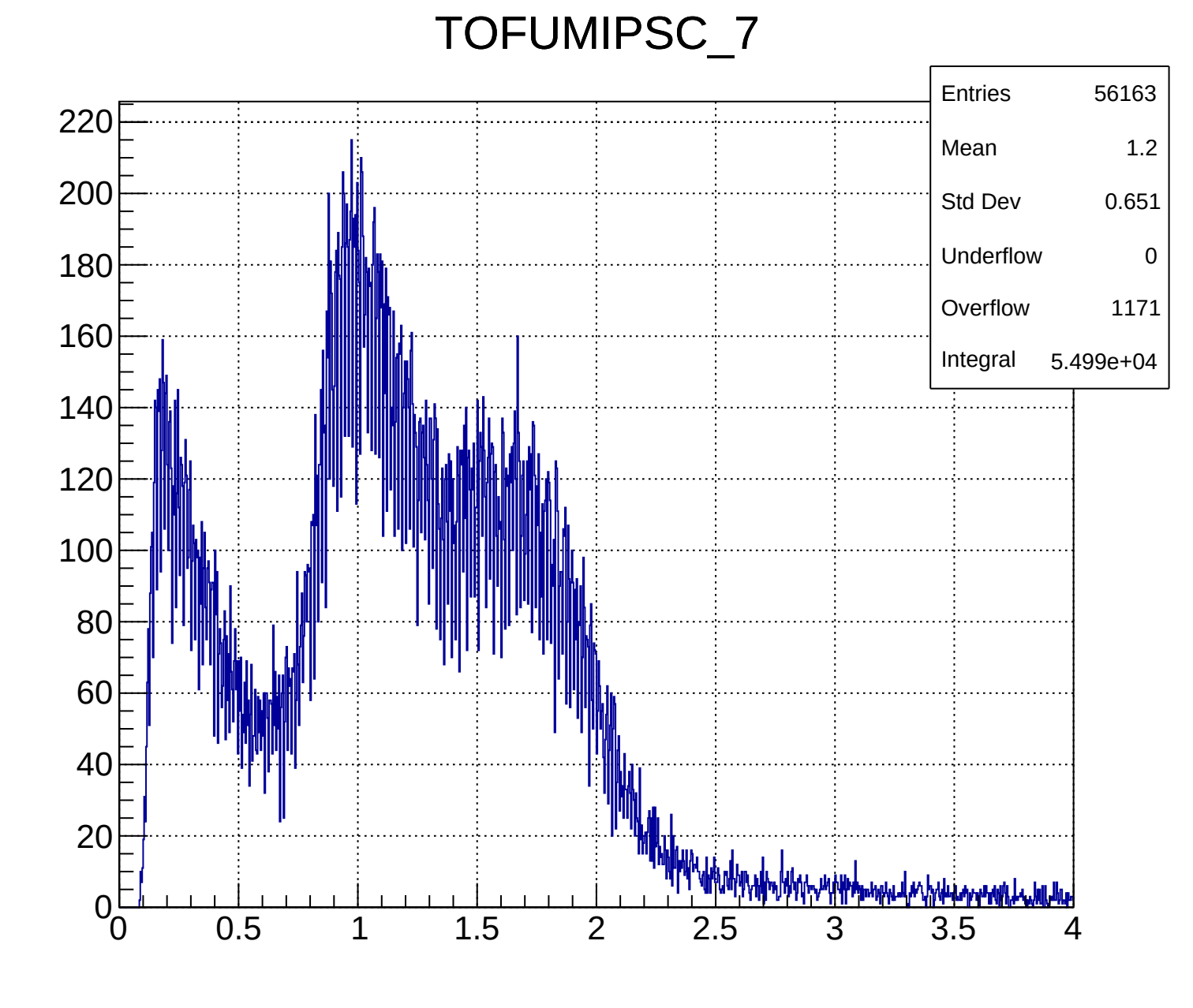
3
3.5
4


TOFUMIPSC_7
Entries 56163
Mean 1.2
Std Dev 0.651
Underflow 0
Overflow 1171
Integral 5.499e+04
220
200
180
160
140
120
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60
40
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1.5
2
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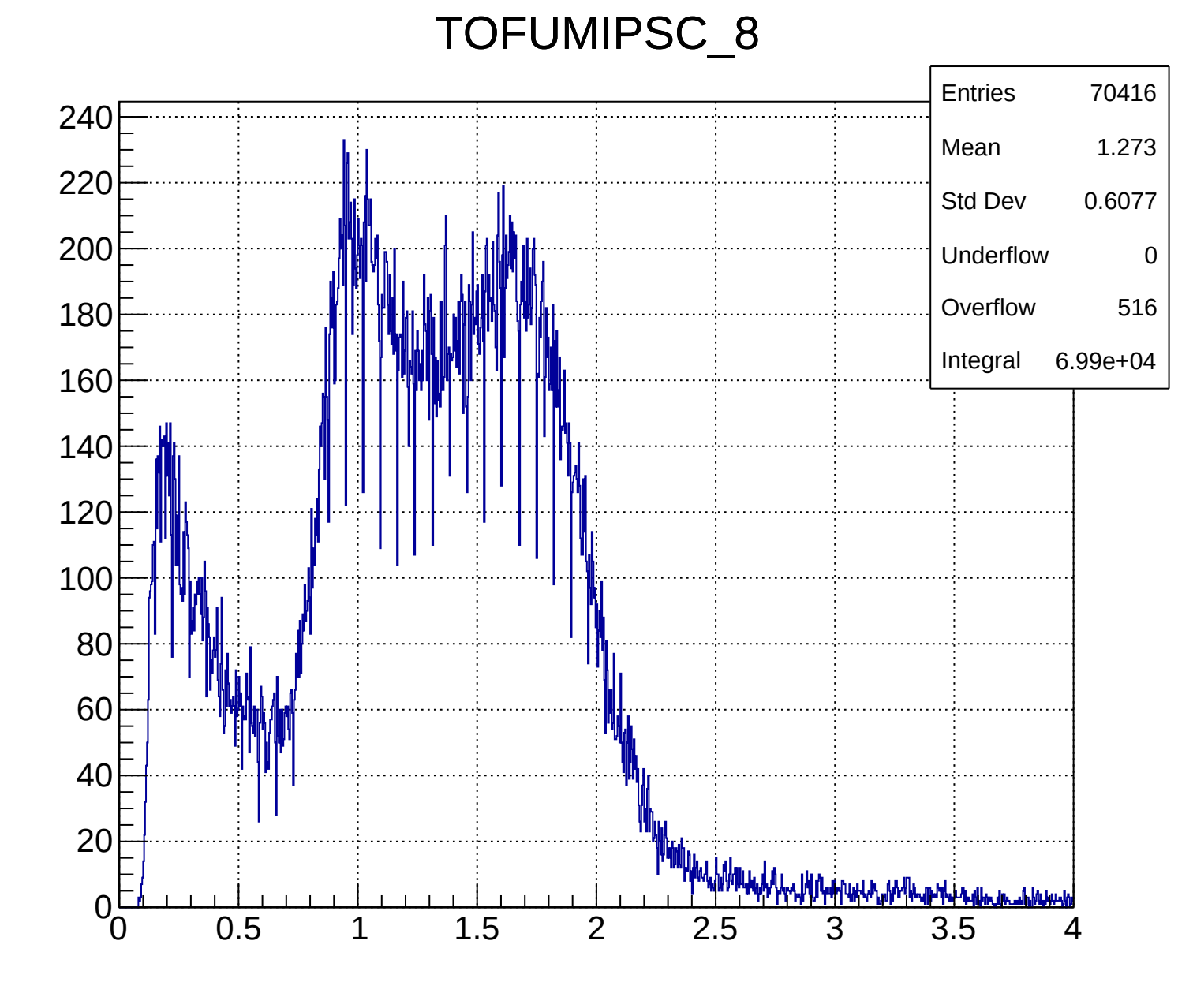
3
3.5
4


TOFUMIPSC_8
Entries 70416
Mean 1.273
Std Dev 0.6077
Underflow 0
Overflow 516
Integral 6.99e+04
240
220
200
180
160
140
120
100
80
60
40
20
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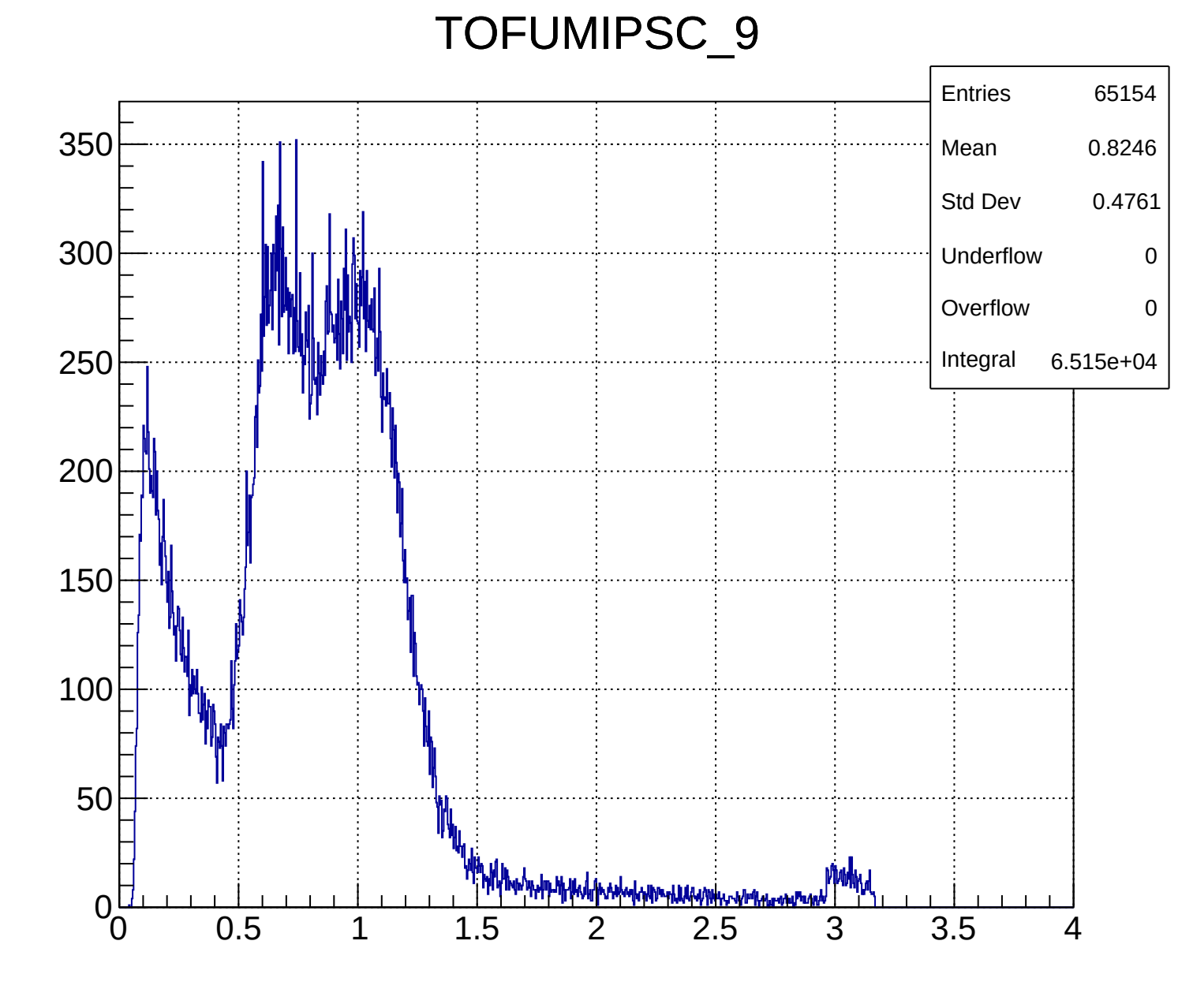
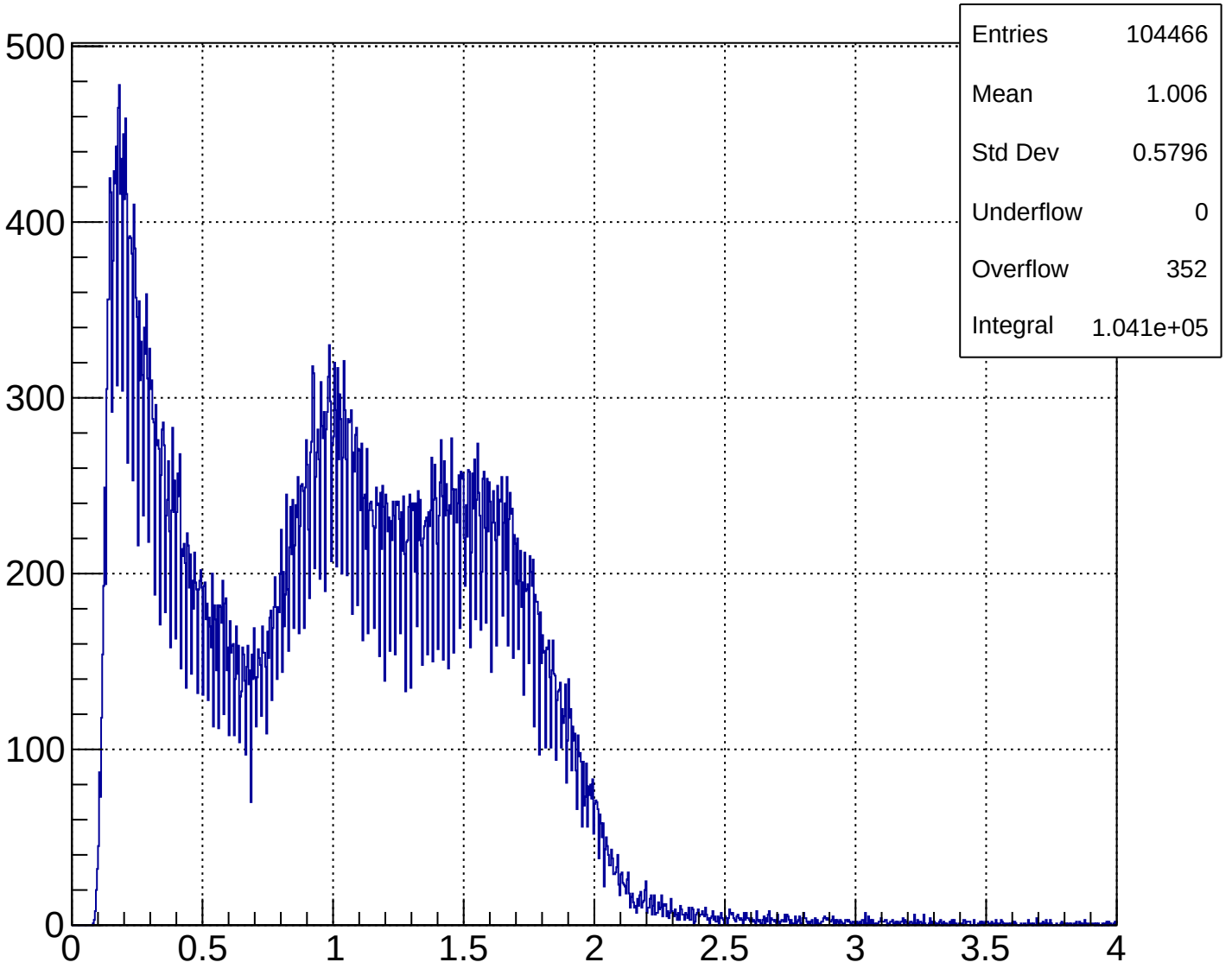
1.5
2
2.5
3
3.5
4


TOFUMIPSC_9
Entries 65154
Mean 0.8246
Std Dev 0.4761
Underflow 0
Overflow 0
Integral 6.515e+04
350
300
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_10
Entries 104466
Mean 1.006
Std Dev 0.5796
Underflow 0
Overflow 352
Integral 1.041e+05
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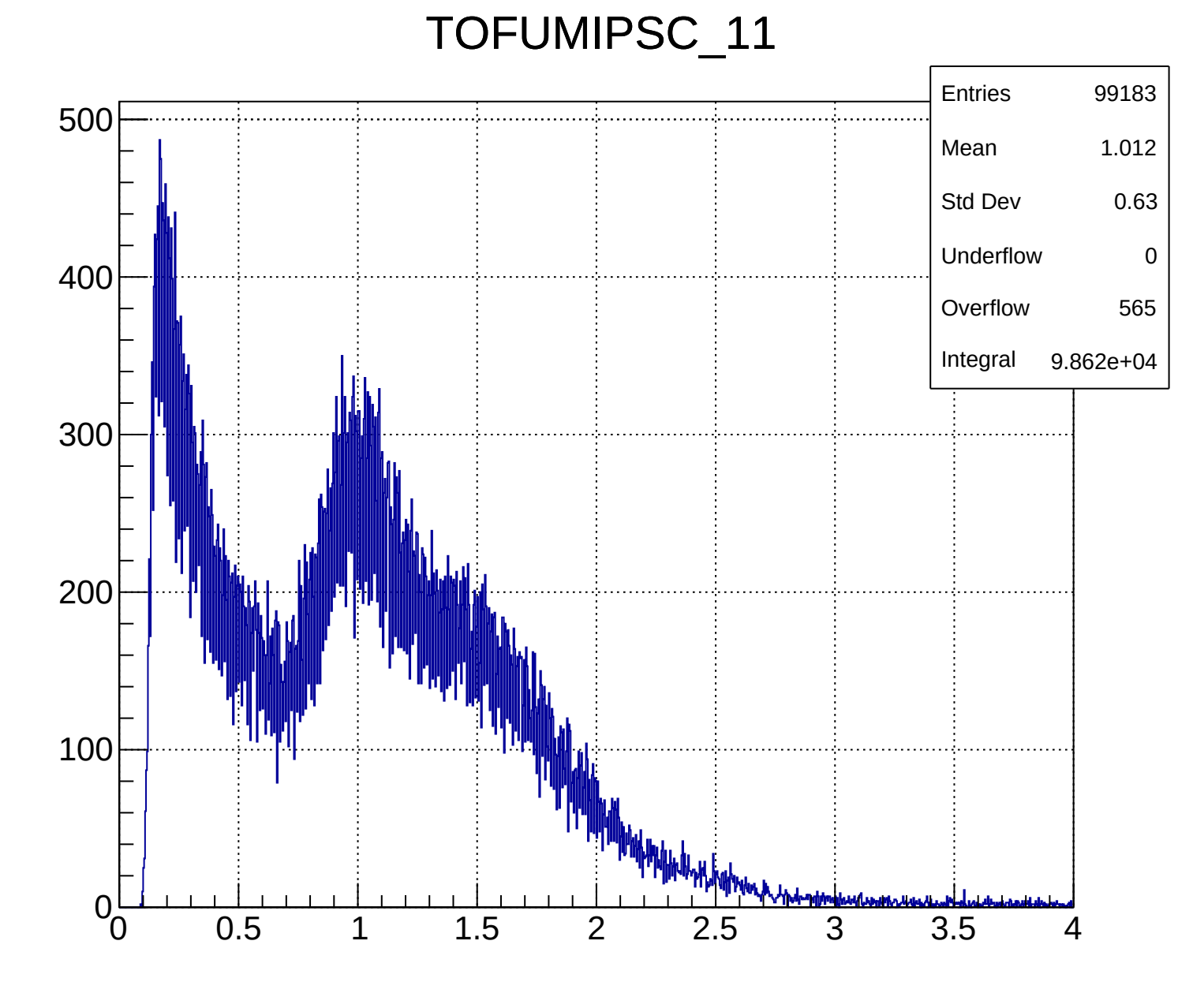
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_11
Entries 99183
Mean 1.012
Std Dev 0.63
Underflow 0
Overflow 565
Integral 9.862e+04
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300
200
100
0
0
0.5
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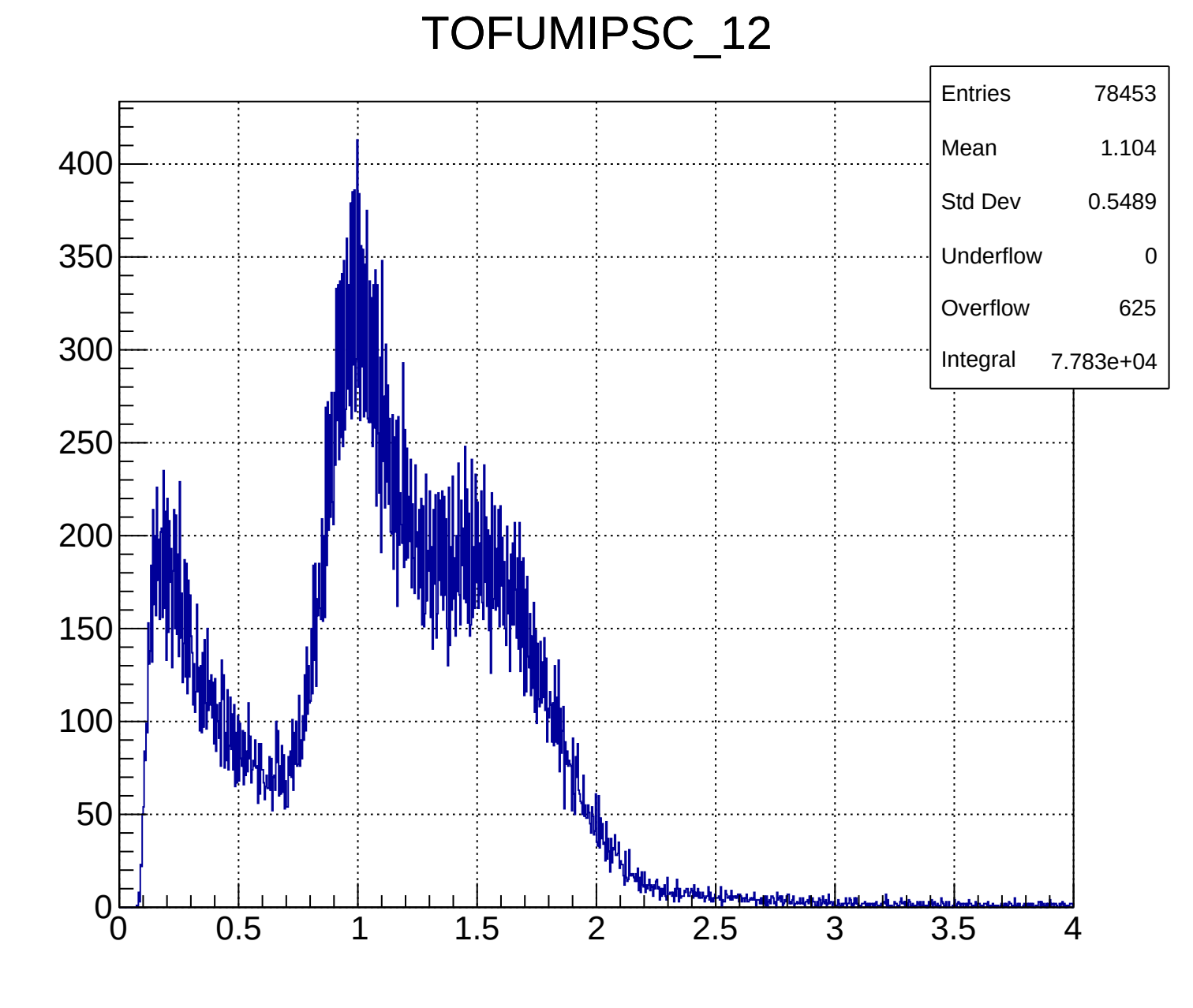
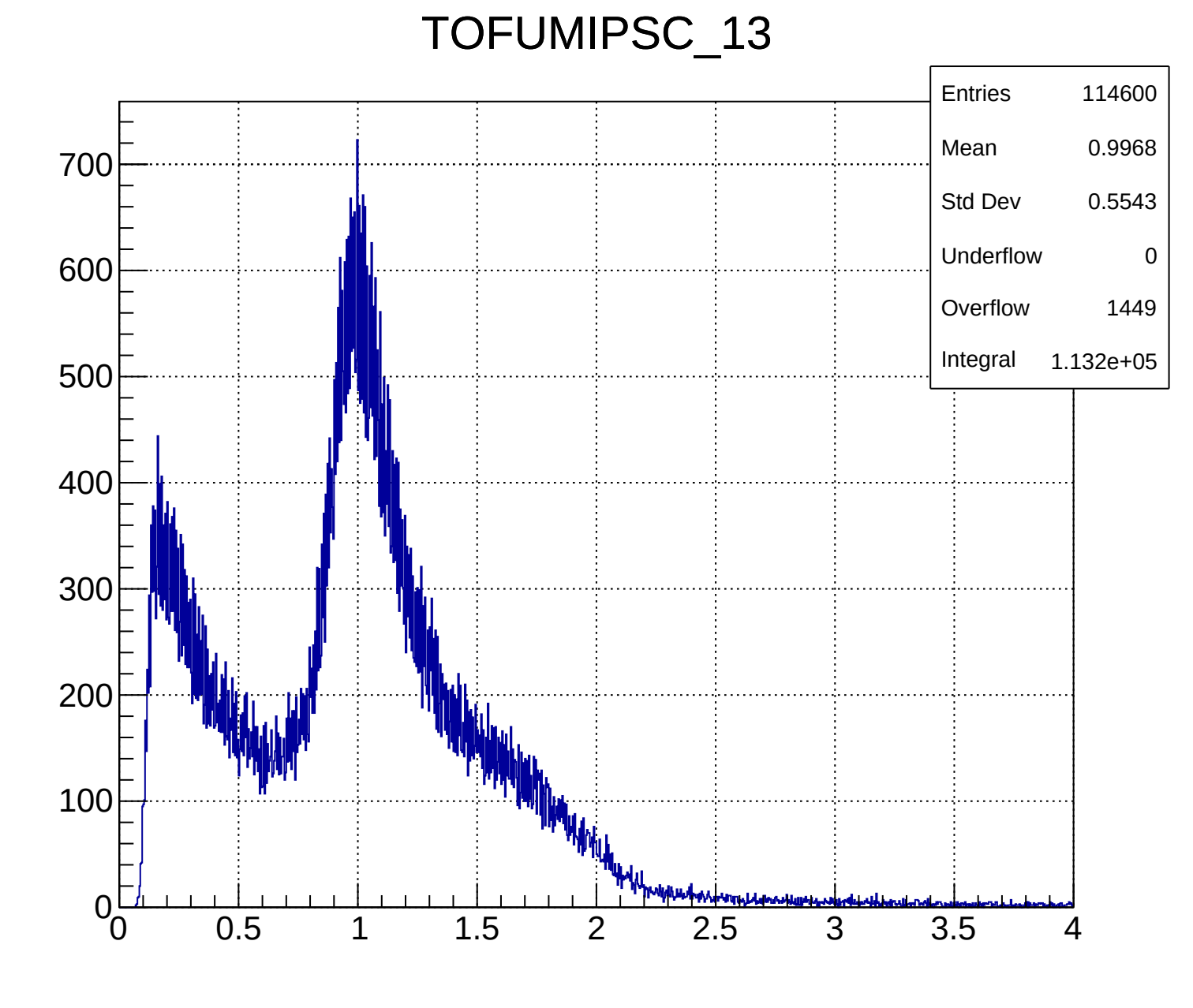
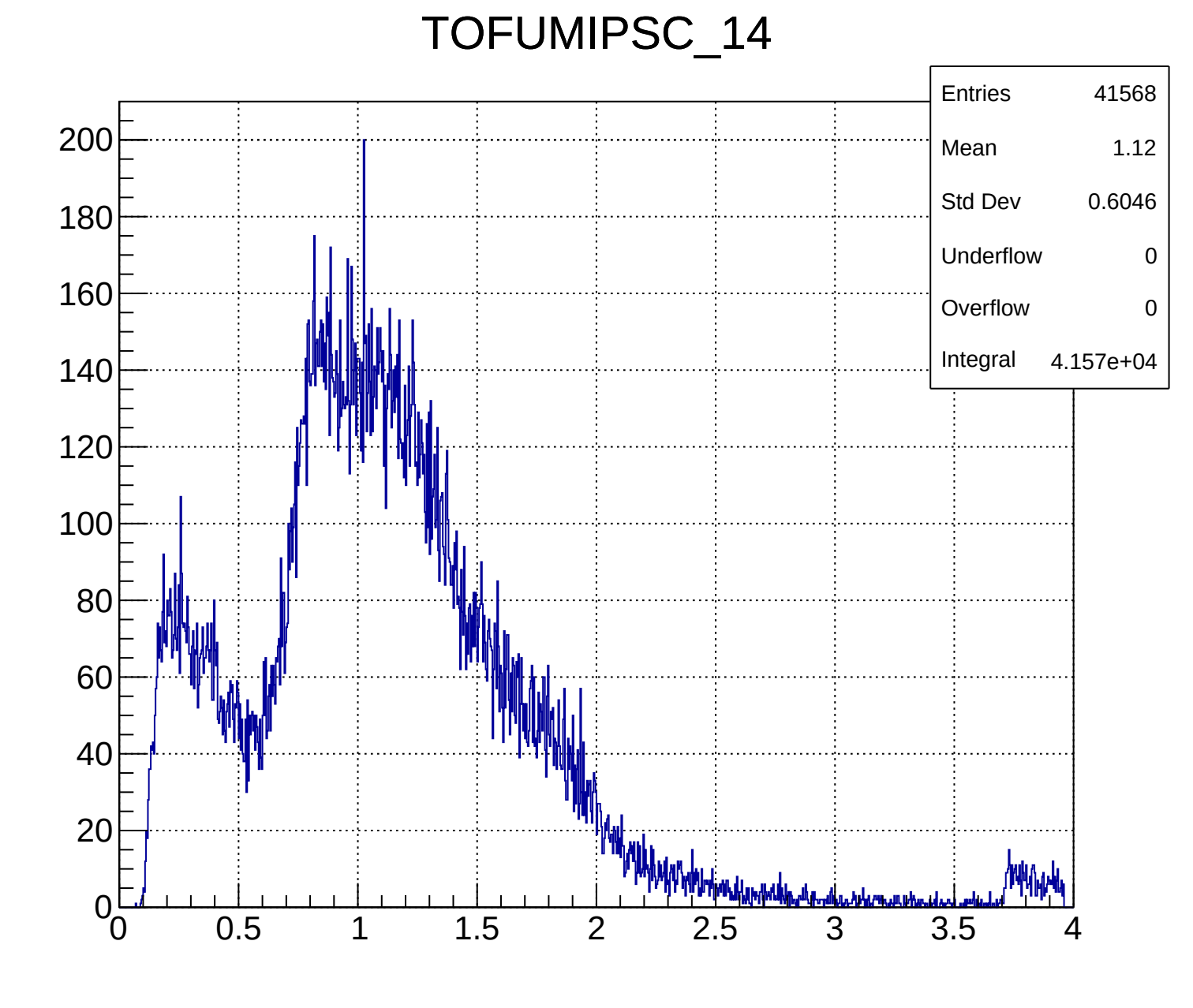
1.5
2
2.5
3
3.5
4


TOFUMIPSC_12
Entries 78453
Mean 1.104
Std Dev 0.5489
Underflow 0
Overflow 625
Integral 7.783e+04
400
350
300
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_13
Entries 114600
Mean 0.9968
Std Dev 0.5543
Underflow 0
Overflow 1449
Integral 1.132e+05
700
600
500
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_14
Entries 41568
Mean 1.12
Std Dev 0.6046
Underflow 0
Overflow 0
Integral 4.157e+04
200
180
160
140
120
100
80
60
40
20
0
0
0.5
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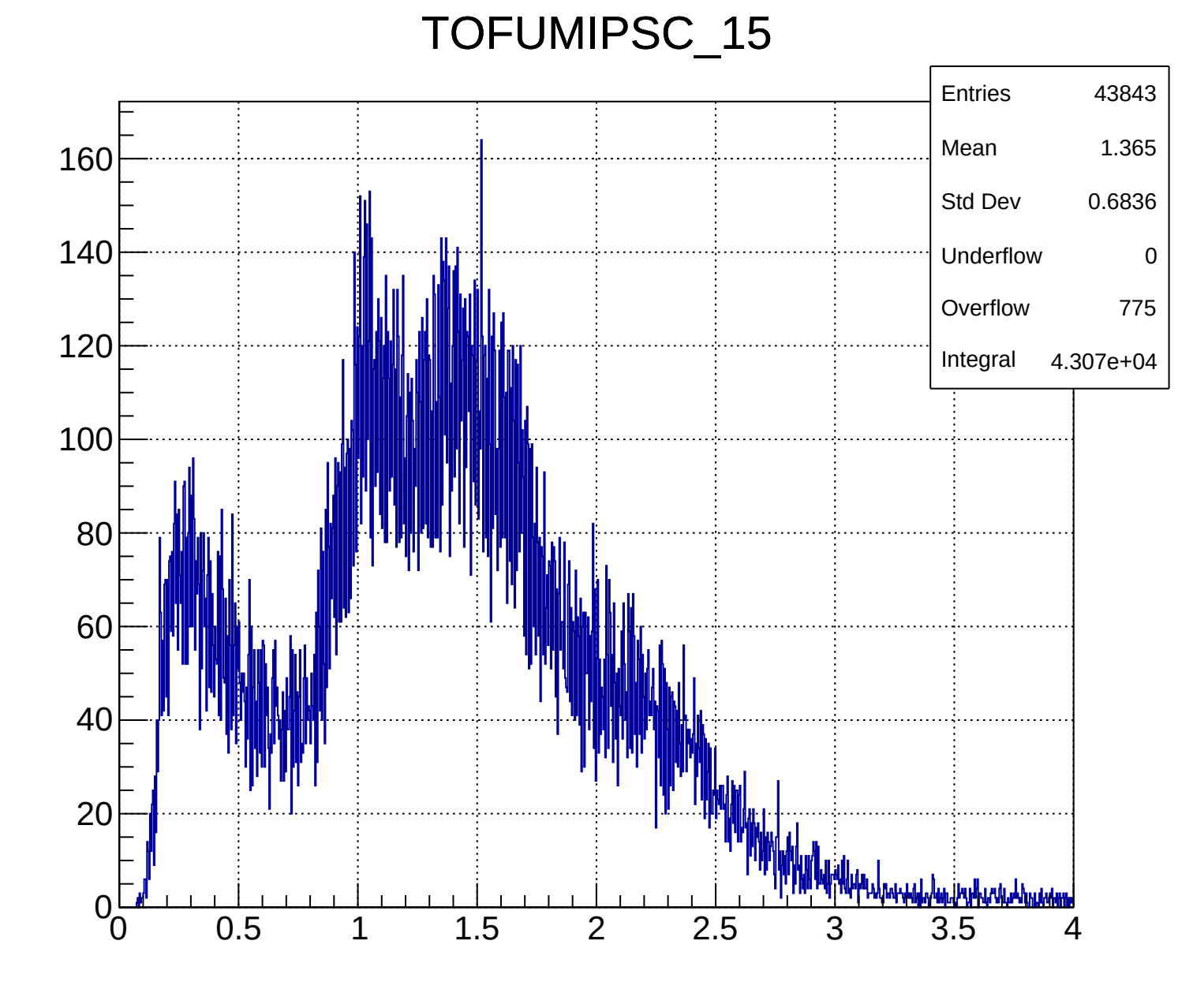
1.5
2
2.5
3
3.5
4


TOFUMIPSC_15
Entries 43843
Mean 1.365
Std Dev 0.6836
Underflow 0
Overflow 775
Integral 4.307e+04
160
140
120
100
80
60
40
20
0
0
0.5
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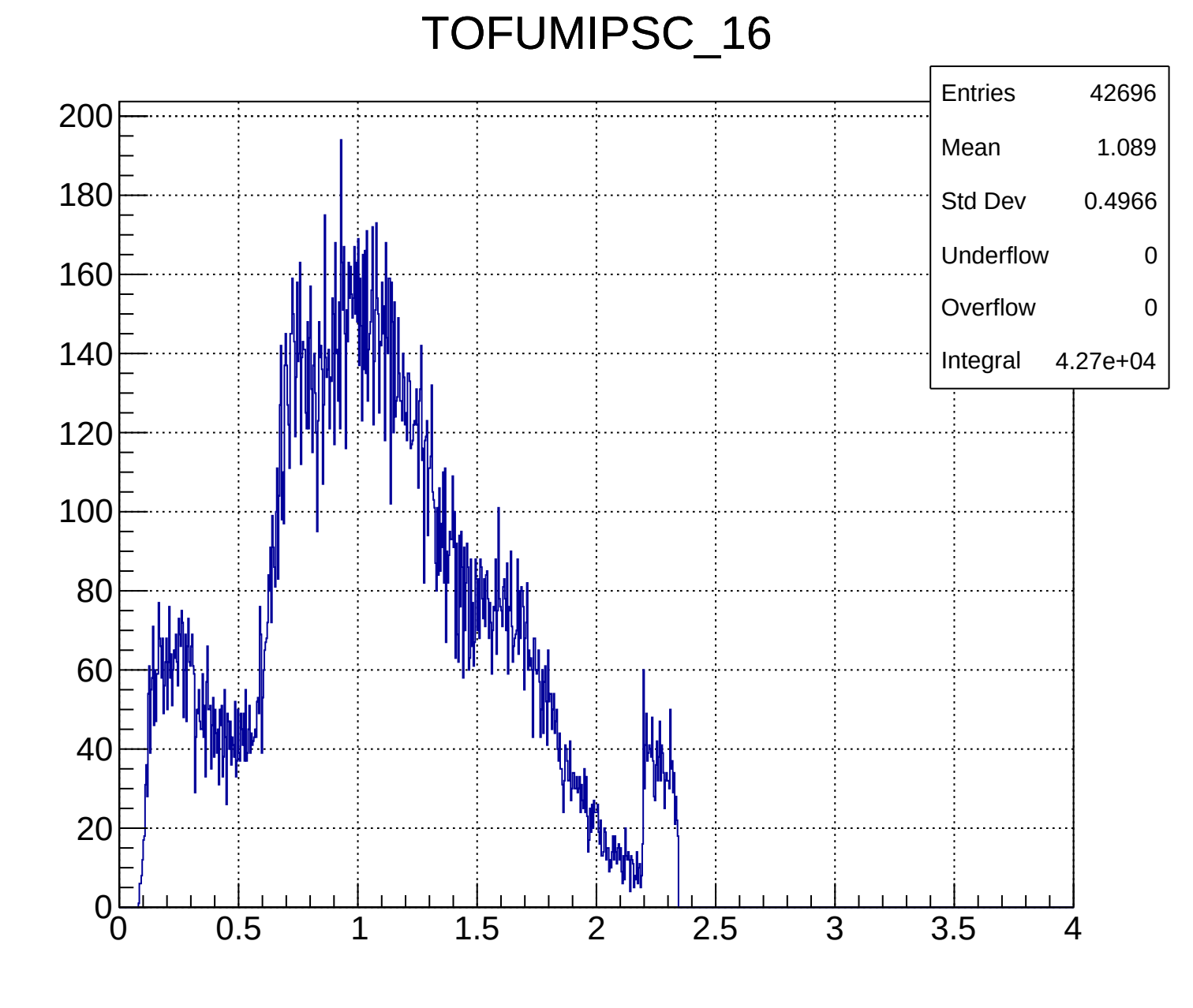
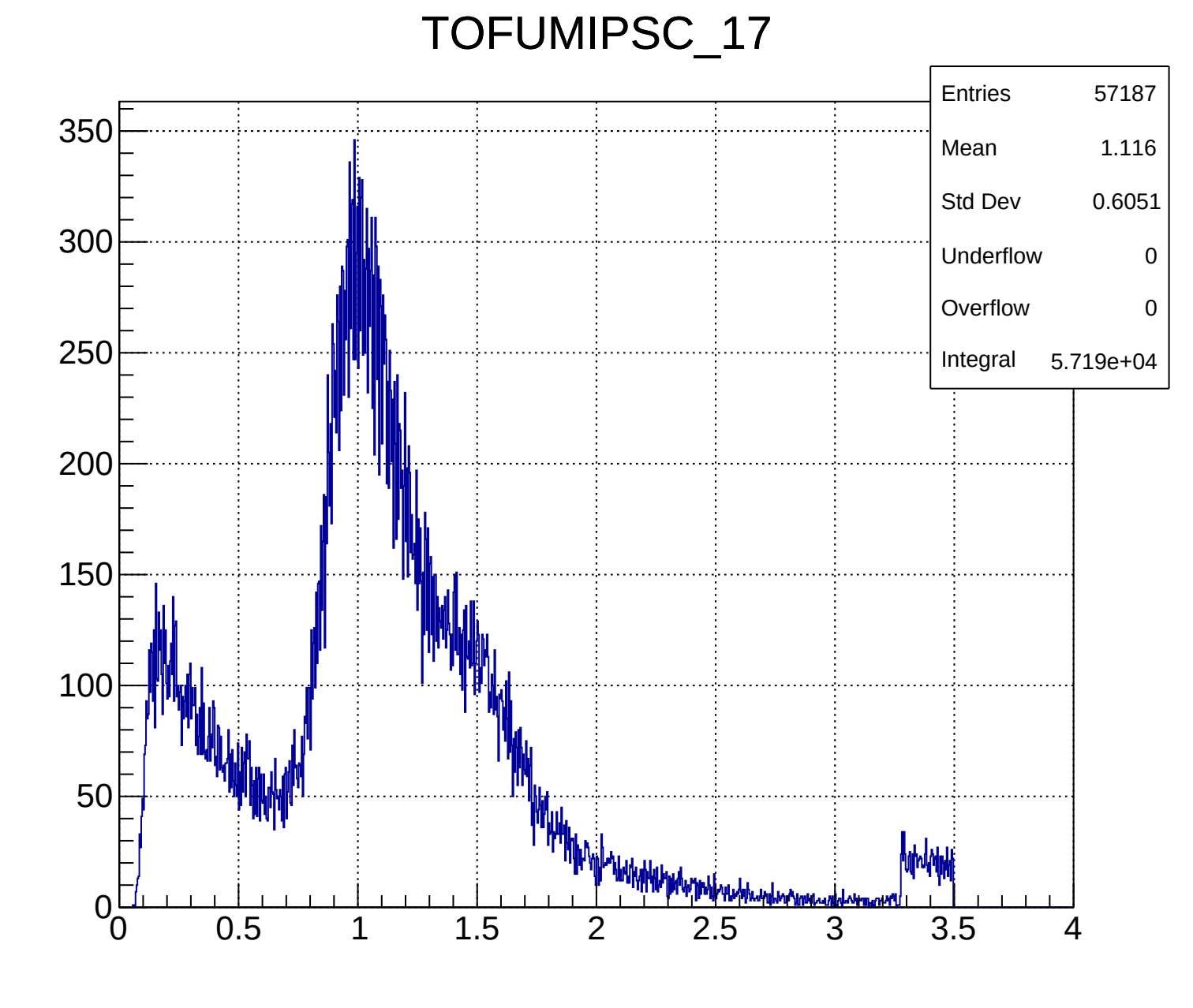
1.5
2
2.5
3
3.5
4


TOFUMIPSC_16
Entries 42696
Mean 1.089
Std Dev 0.4966
Underflow 0
Overflow 0
Integral 4.27e+04
200
180
160
140
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_17
Entries 57187
Mean 1.116
Std Dev 0.6051
Underflow 0
Overflow 0
Integral 5.719e+04
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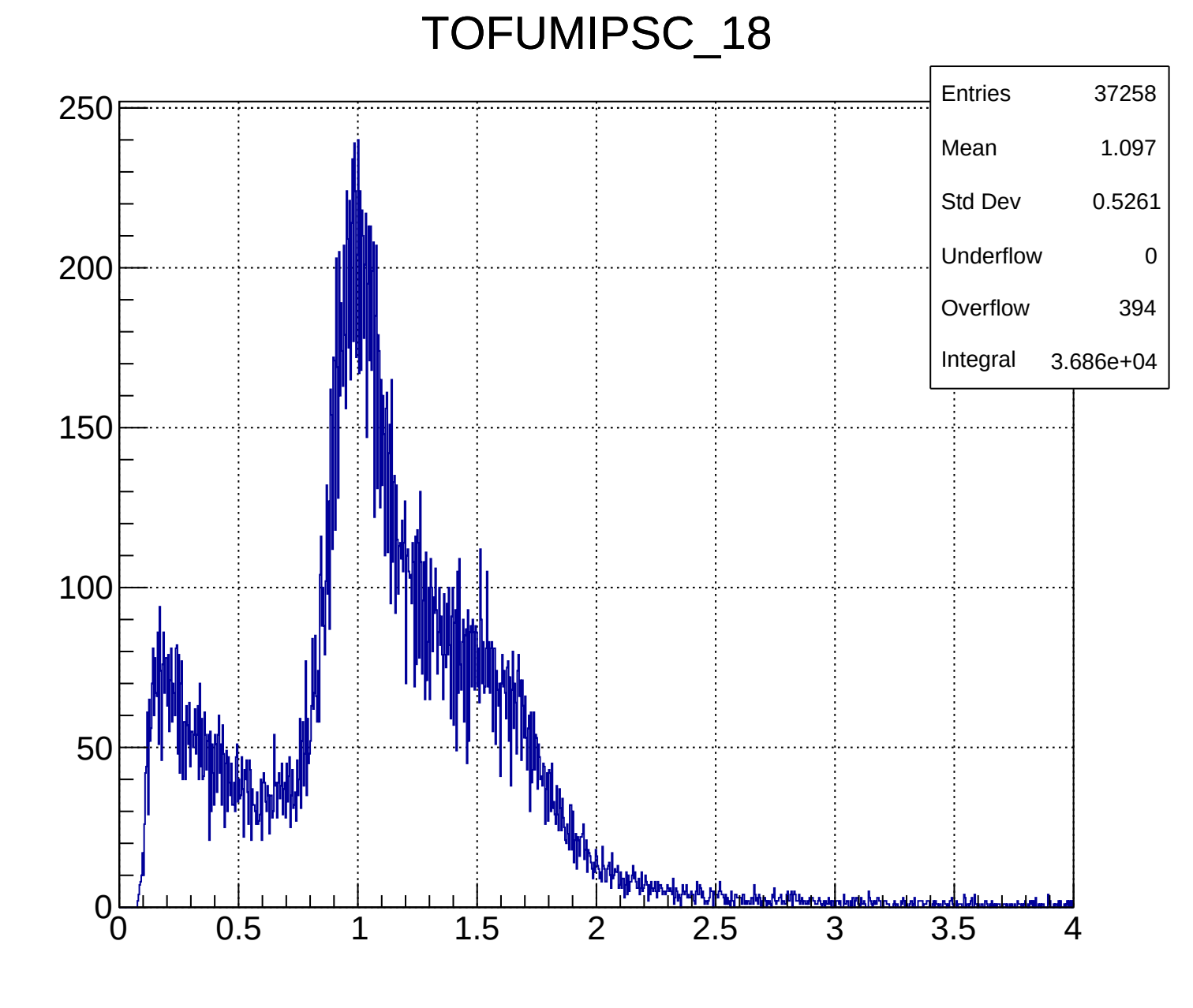
300
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_18
Entries 37258
Mean 1.097
Std Dev 0.5261
Underflow 0
Overflow 394
Integral 3.686e+04
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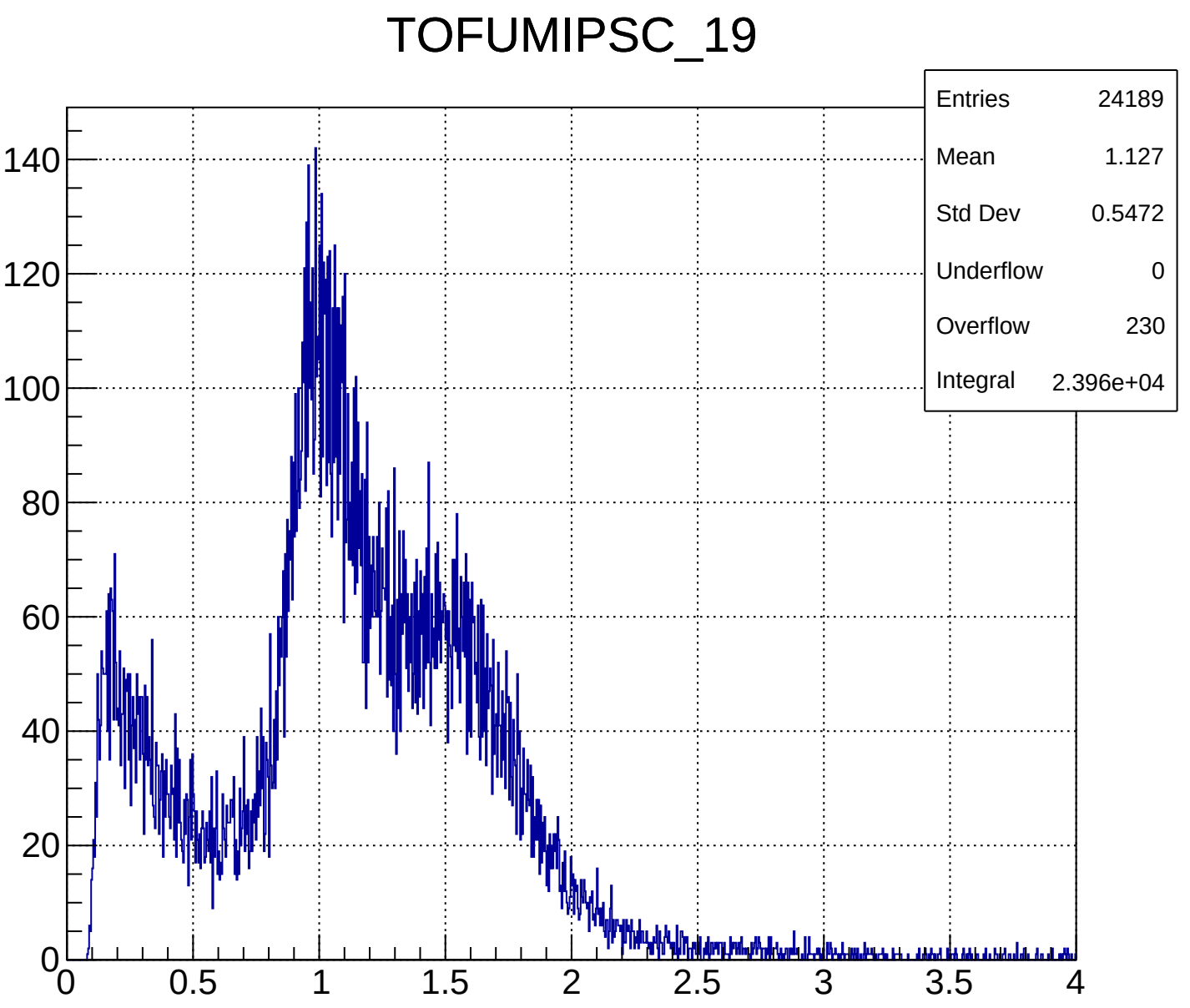
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_19
Entries 24189
Mean 1.127
Std Dev 0.5472
Underflow 0
Overflow 230
Integral 2.396e+04
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120
100
80
60
40
20
0
0
0.5
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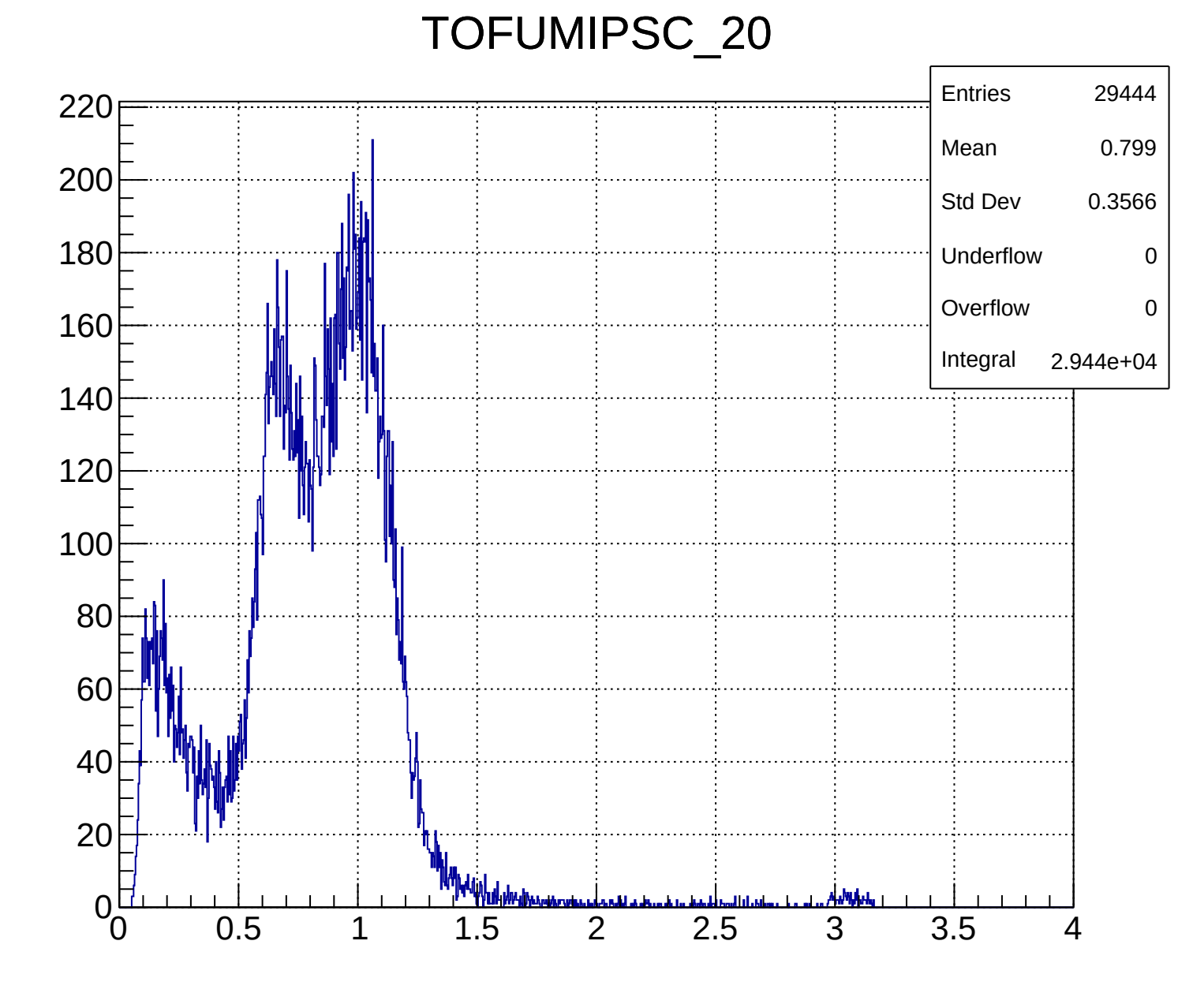
1.5
2
2.5
3
3.5
4


TOFUMIPSC_20
Entries 29444
Mean 0.799
Std Dev 0.3566
Underflow 0
Overflow 0
Integral 2.944e+04
220
200
180
160
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120
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80
60
40
20
0
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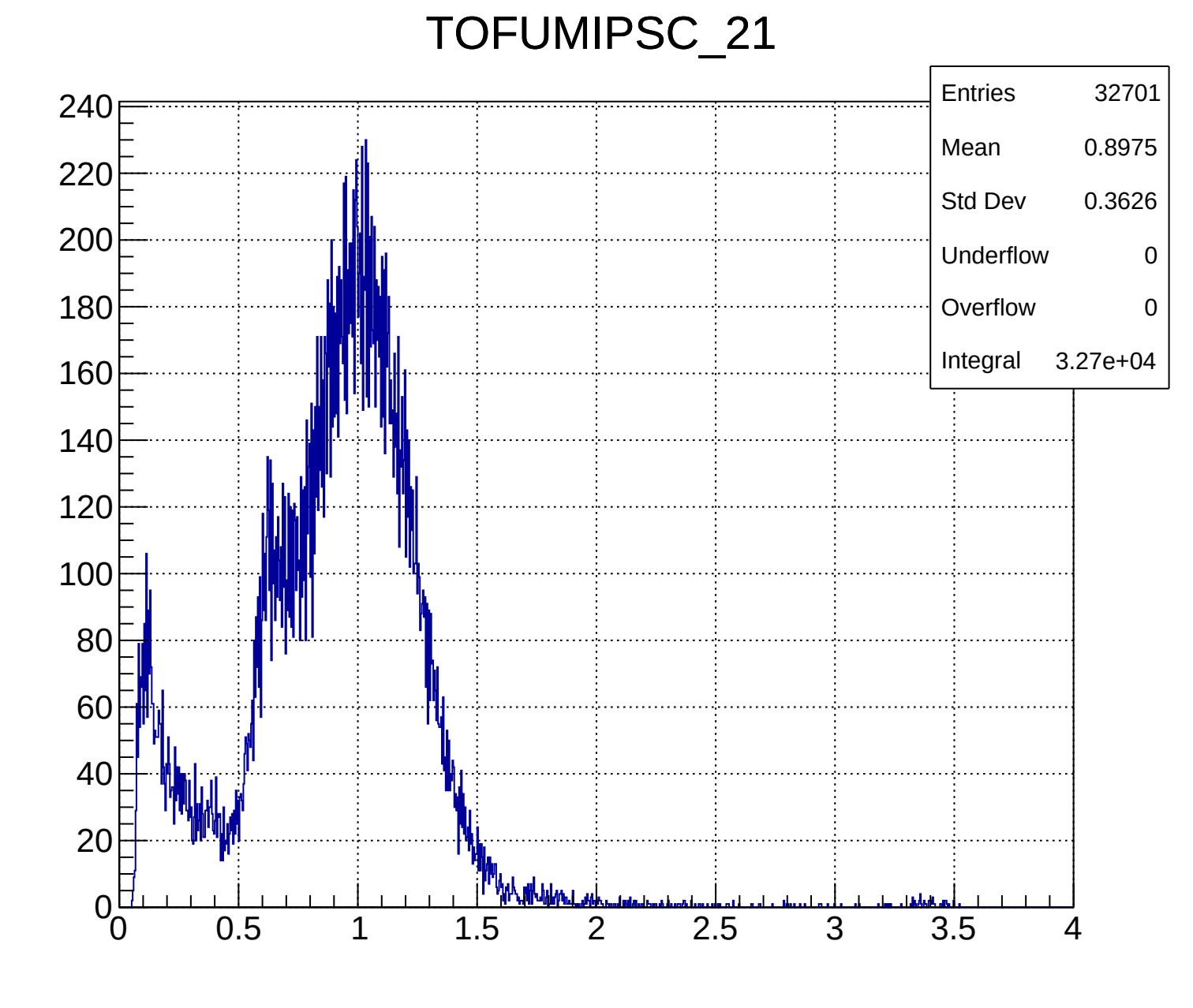
1.5
2
2.5
3
3.5
4


TOFUMIPSC_21
Entries 32701
Mean 0.8975
Std Dev 0.3626
Underflow 0
Overflow 0
Integral 3.27e+04
240
220
200
180
160
140
120
100
80
60
40
20
0
0
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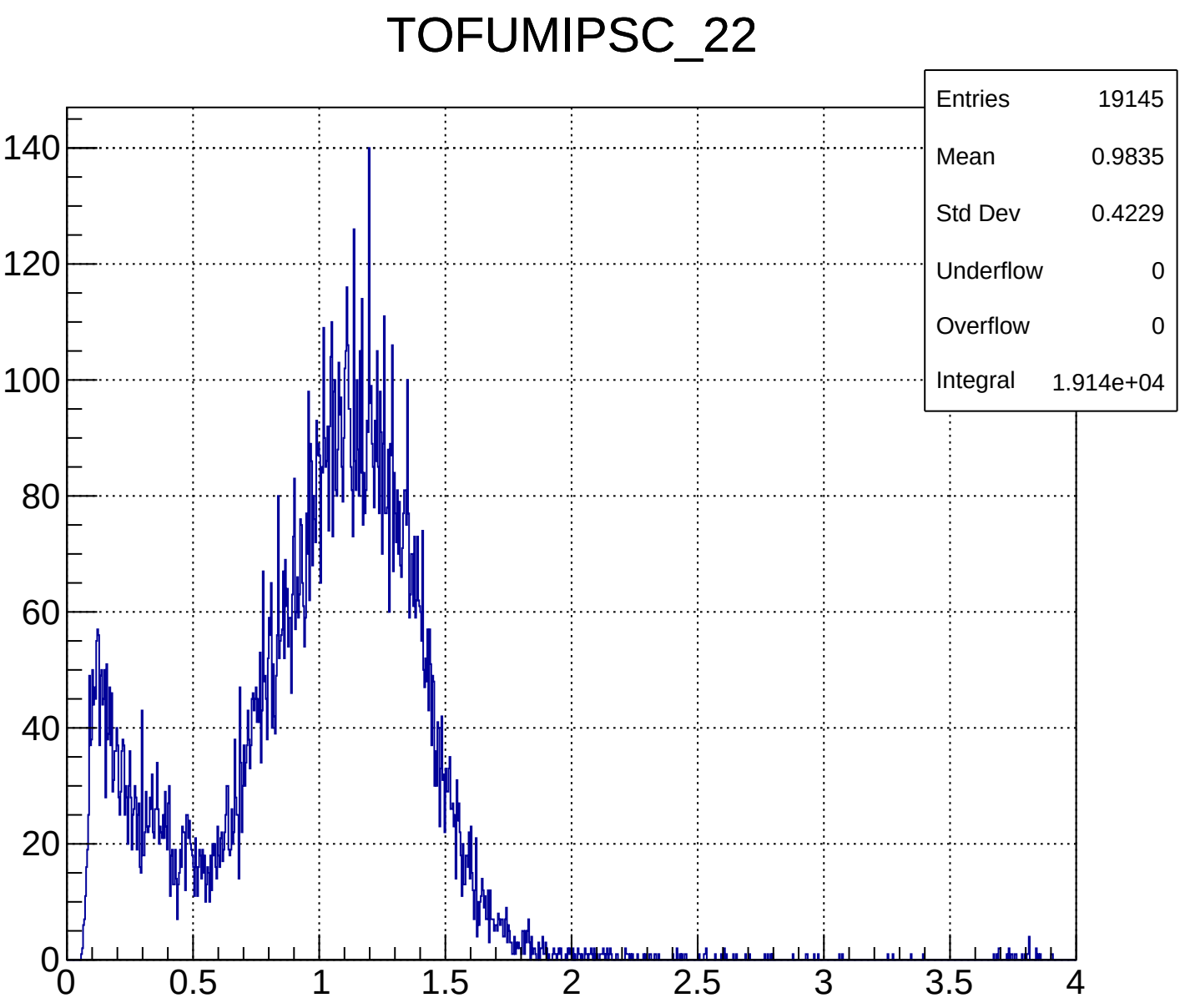
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_22
Entries 19145
Mean 0.9835
Std Dev 0.4229
Underflow 0
Overflow 0
Integral 1.914e+04
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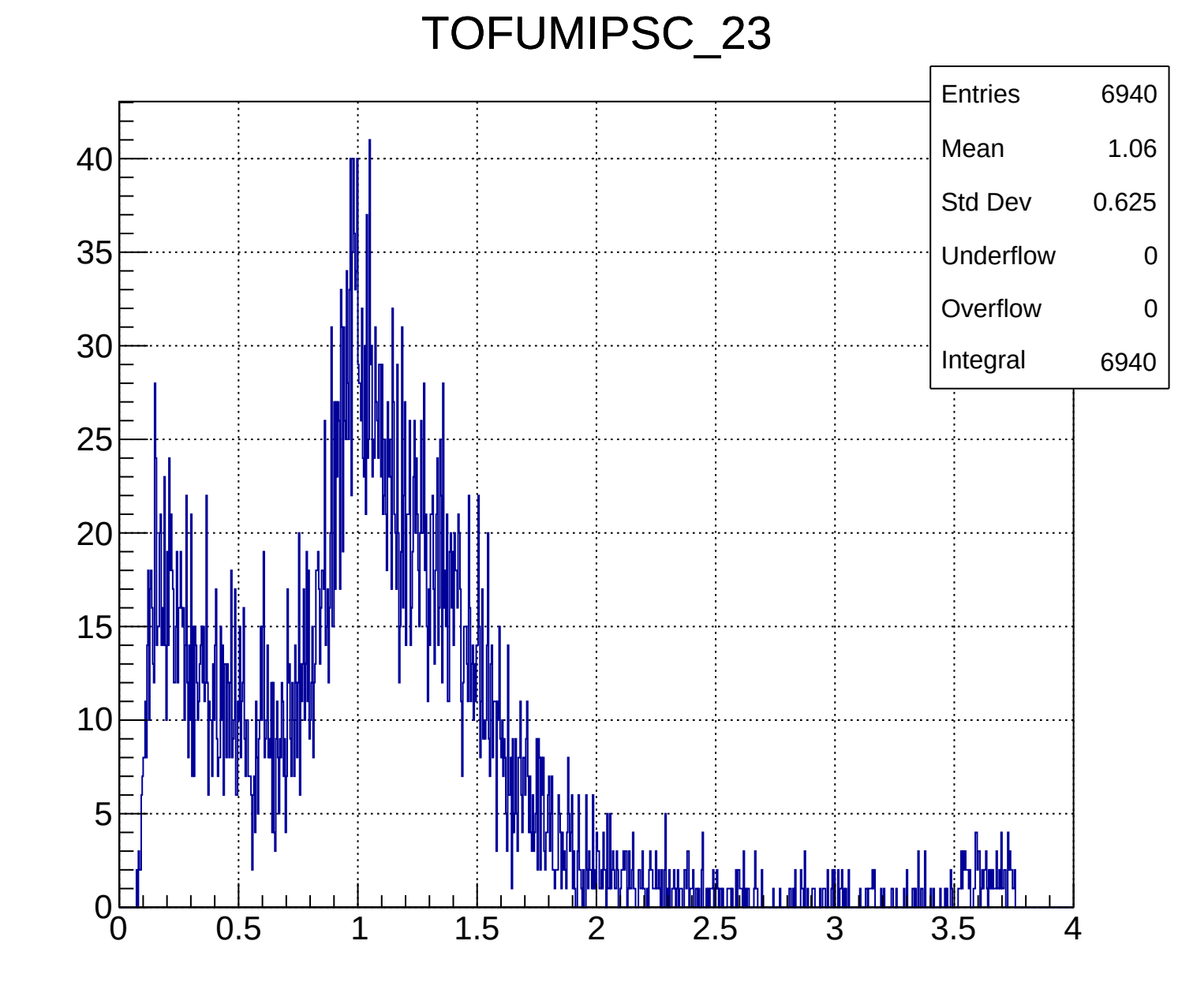
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFUMIPSC_23
Entries 6940
Mean 1.06
Std Dev 0.625
Underflow 0
Overflow 0
Integral 6940
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10
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30
35
40
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0.5
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1.5
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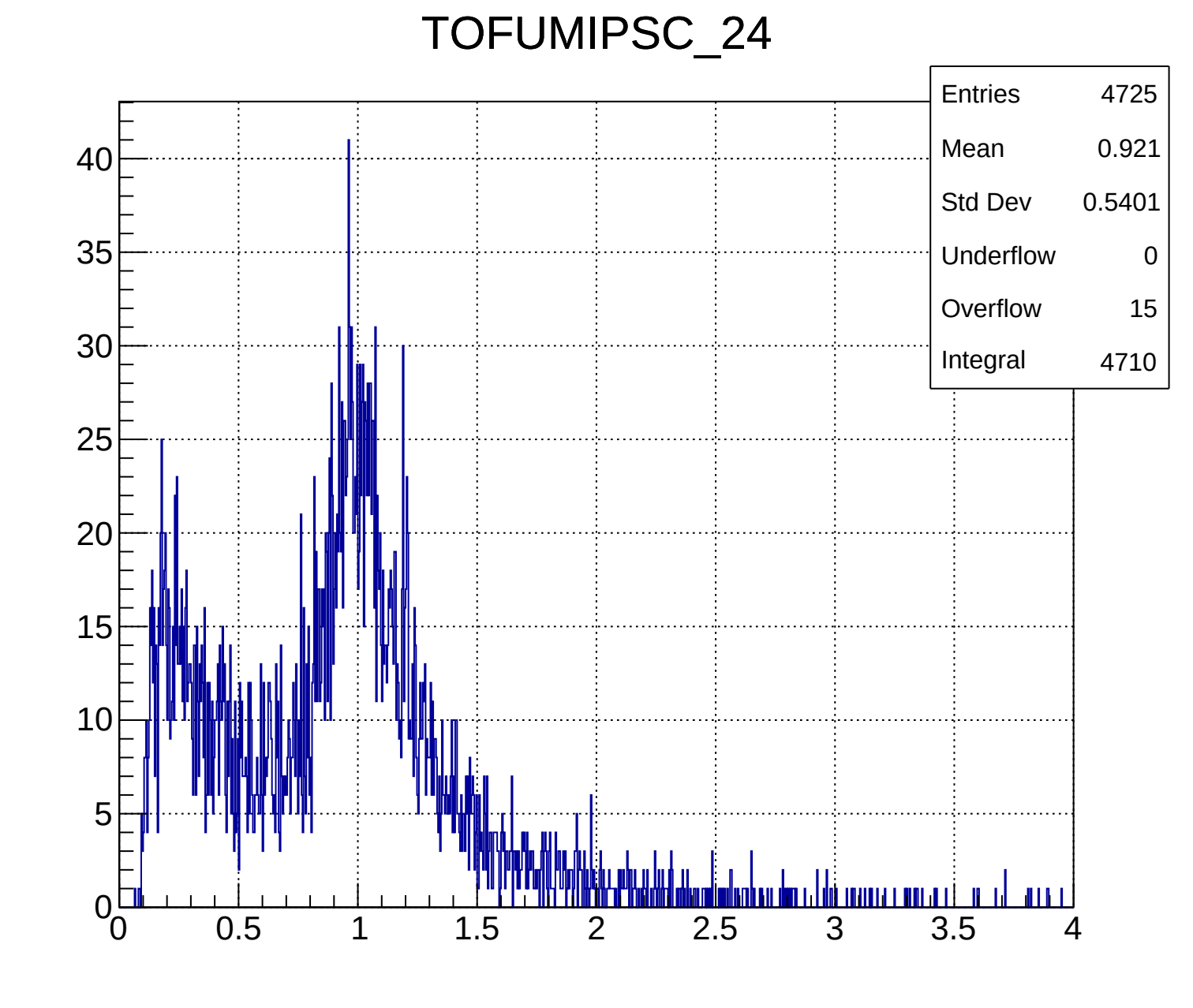
3
3.5
4


TOFUMIPSC_24
Entries 4725
Mean 0.921
Std Dev 0.5401
Underflow 0
Overflow 15
Integral 4710
0
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20
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30
35
40
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1.5
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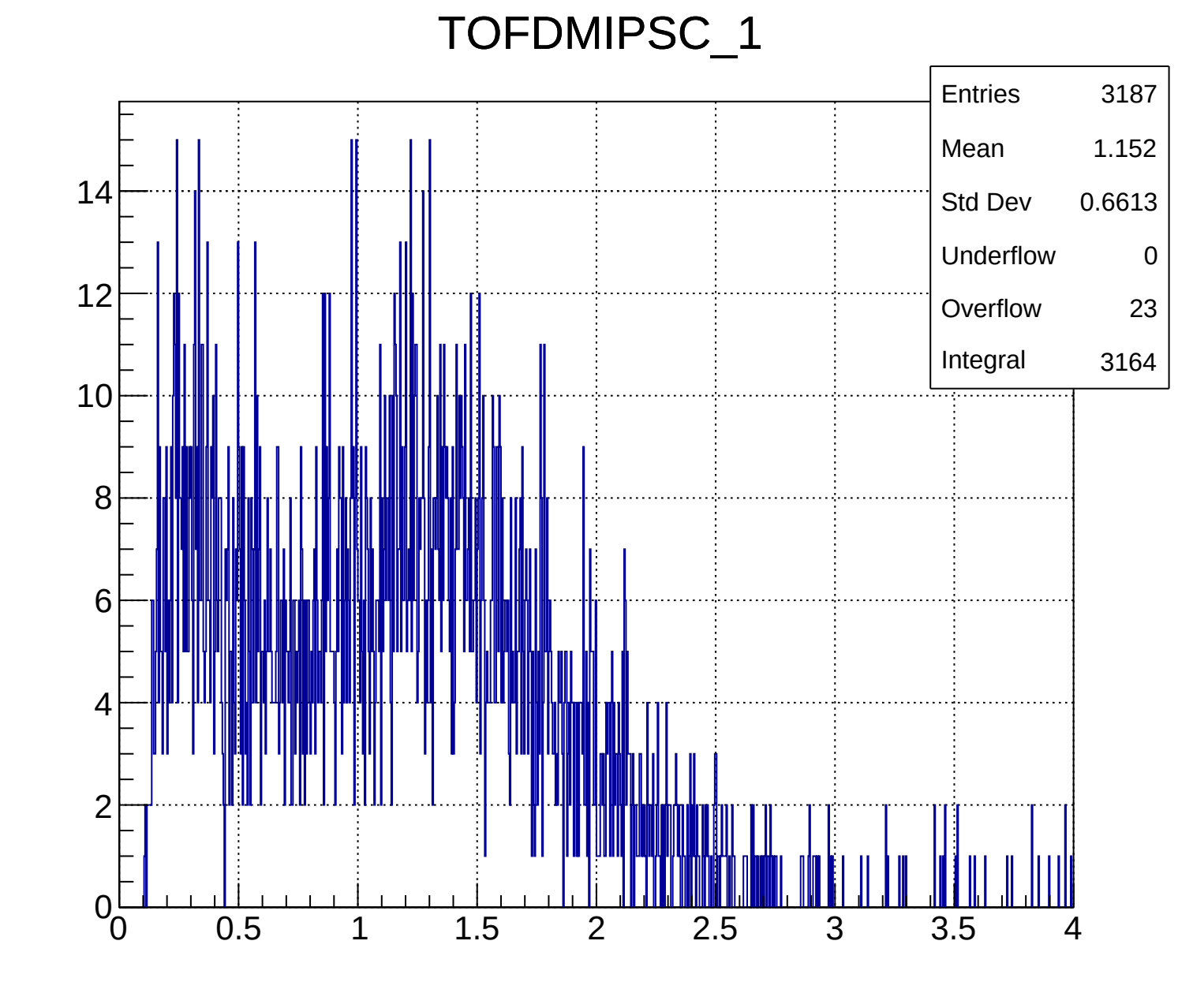
2.5
3
3.5
4


TOFDMIPSC_1
Entries 3187
Mean 1.152
Std Dev 0.6613
Underflow 0
Overflow 23
Integral 3164
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2
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6
8
10
12
14
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1.5
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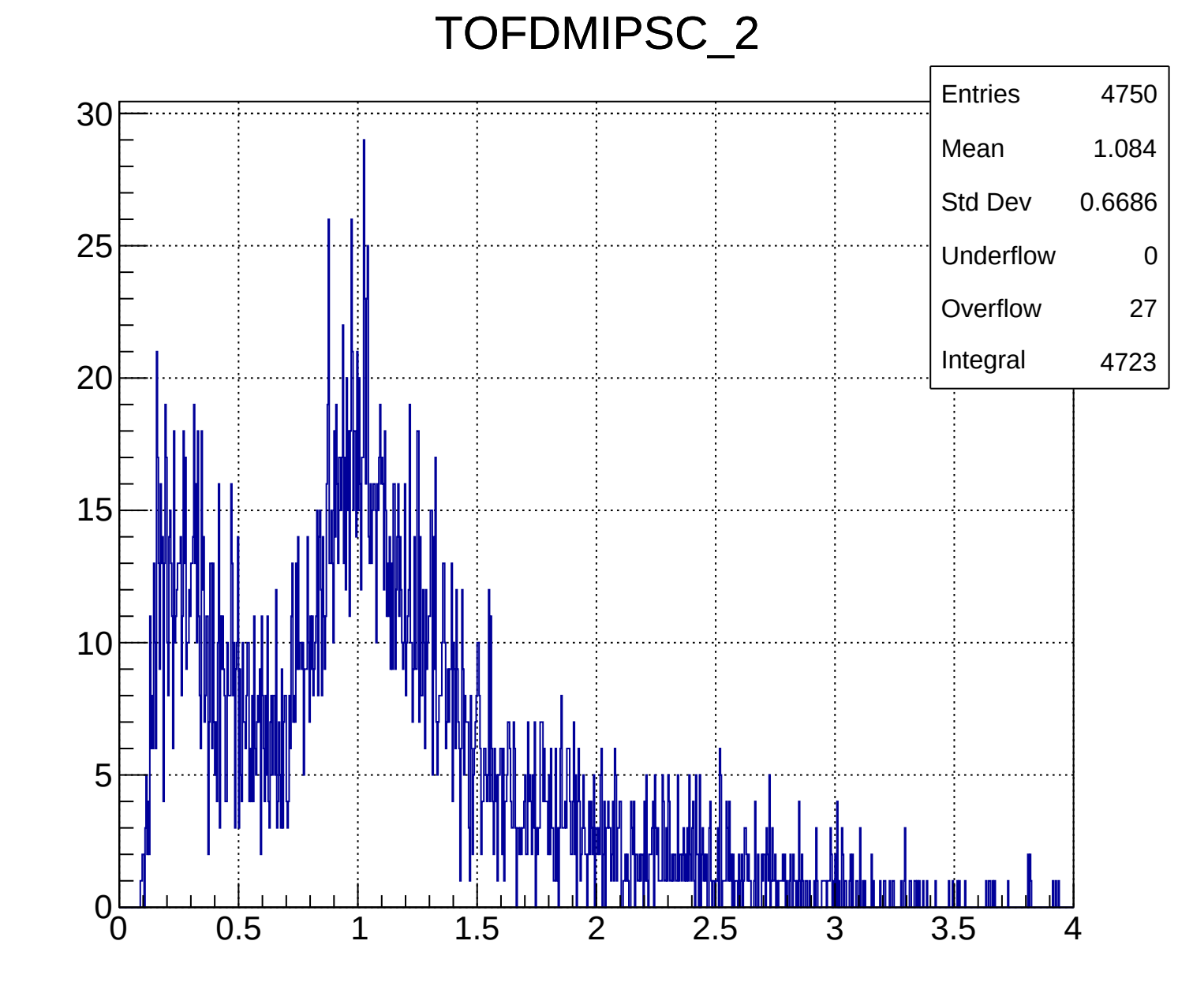
2.5
3
3.5
4


TOFDMIPSC_2
Entries 4750
Mean 1.084
Std Dev 0.6686
Underflow 0
Overflow 27
Integral 4723
30
25
20
15
10
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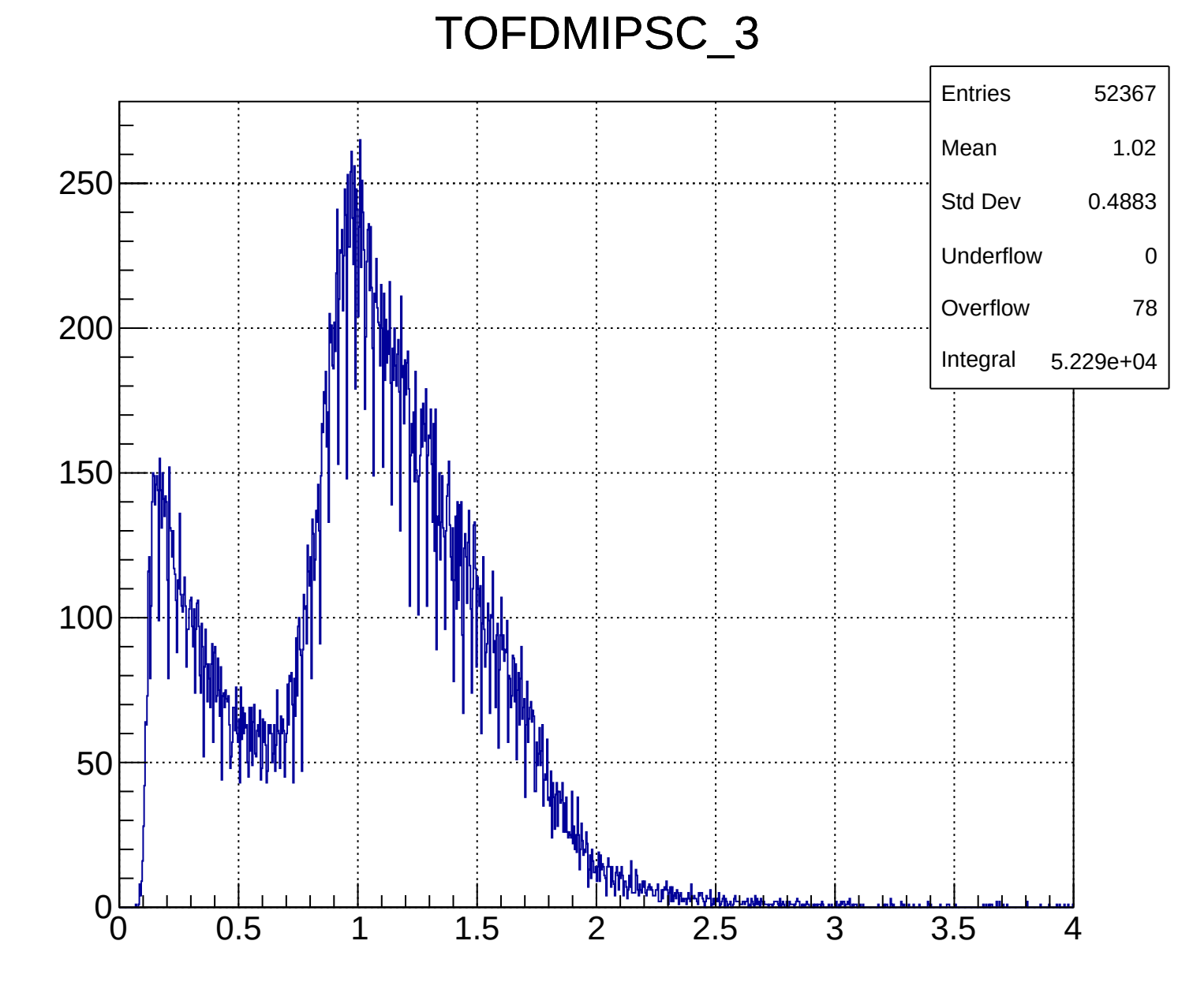
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_3
Entries 52367
Mean 1.02
Std Dev 0.4883
Underflow 0
Overflow 78
Integral 5.229e+04
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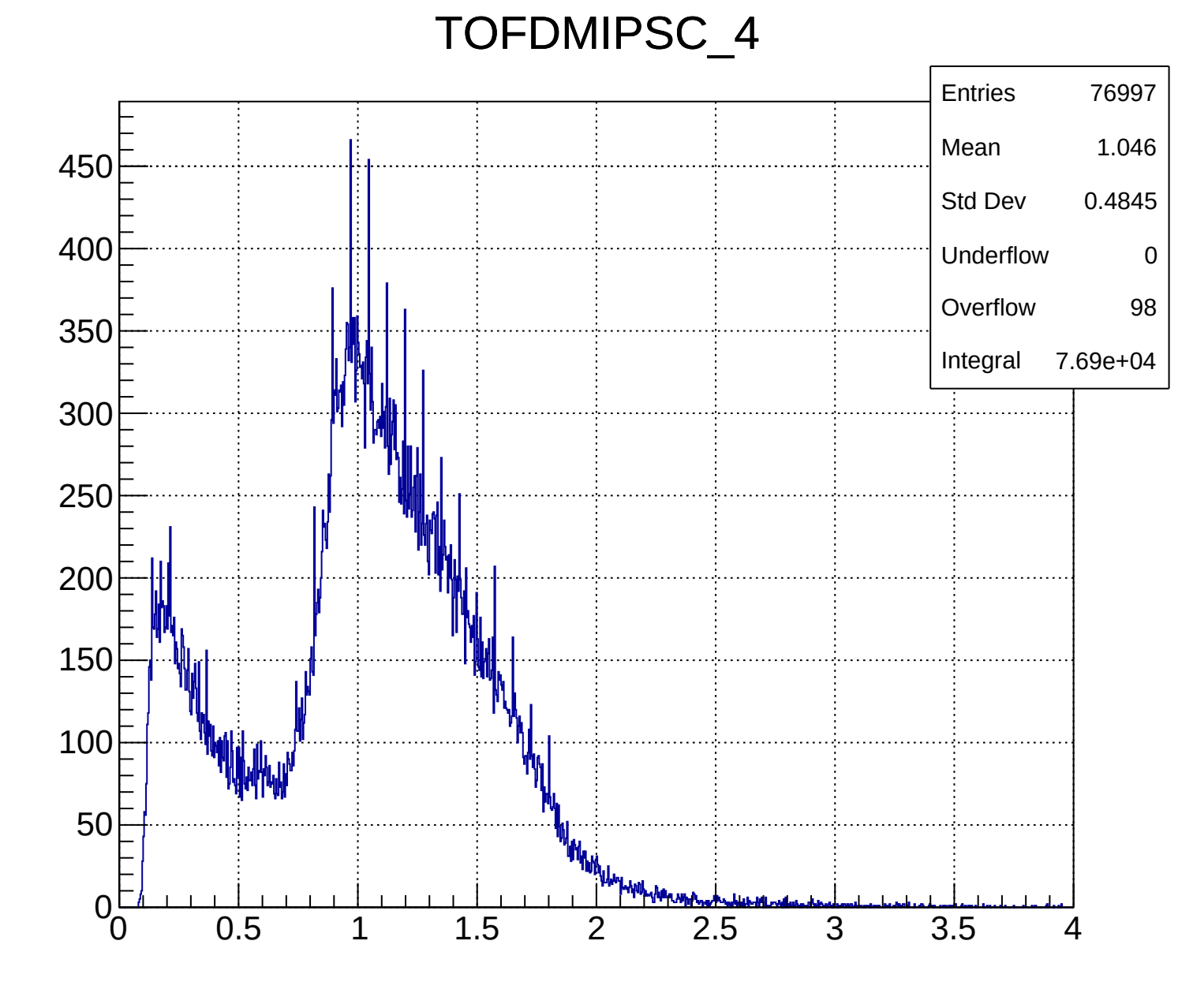
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_4
Entries 76997
Mean 1.046
Std Dev 0.4845
Underflow 0
Overflow 98
Integral 7.69e+04
450
400
350
300
250
200
150
100
50
0
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1.5
2
2.5
3
3.5
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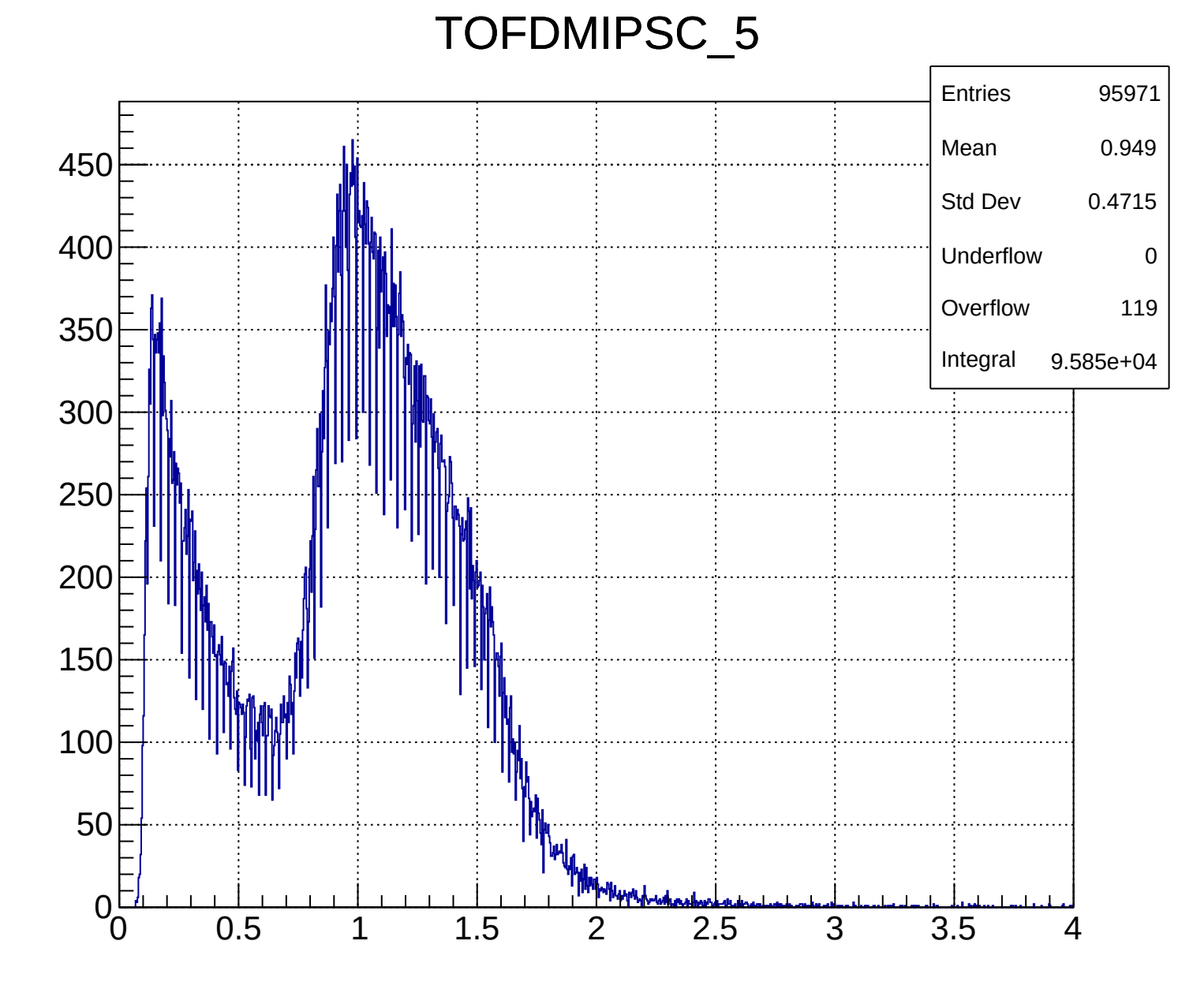
TOFDMIPSC_5
Entries 95971
Mean 0.949
Std Dev 0.4715
Underflow 0
Overflow 119
Integral 9.585e+04
450
400
350
300
250
200
150
100
50
0
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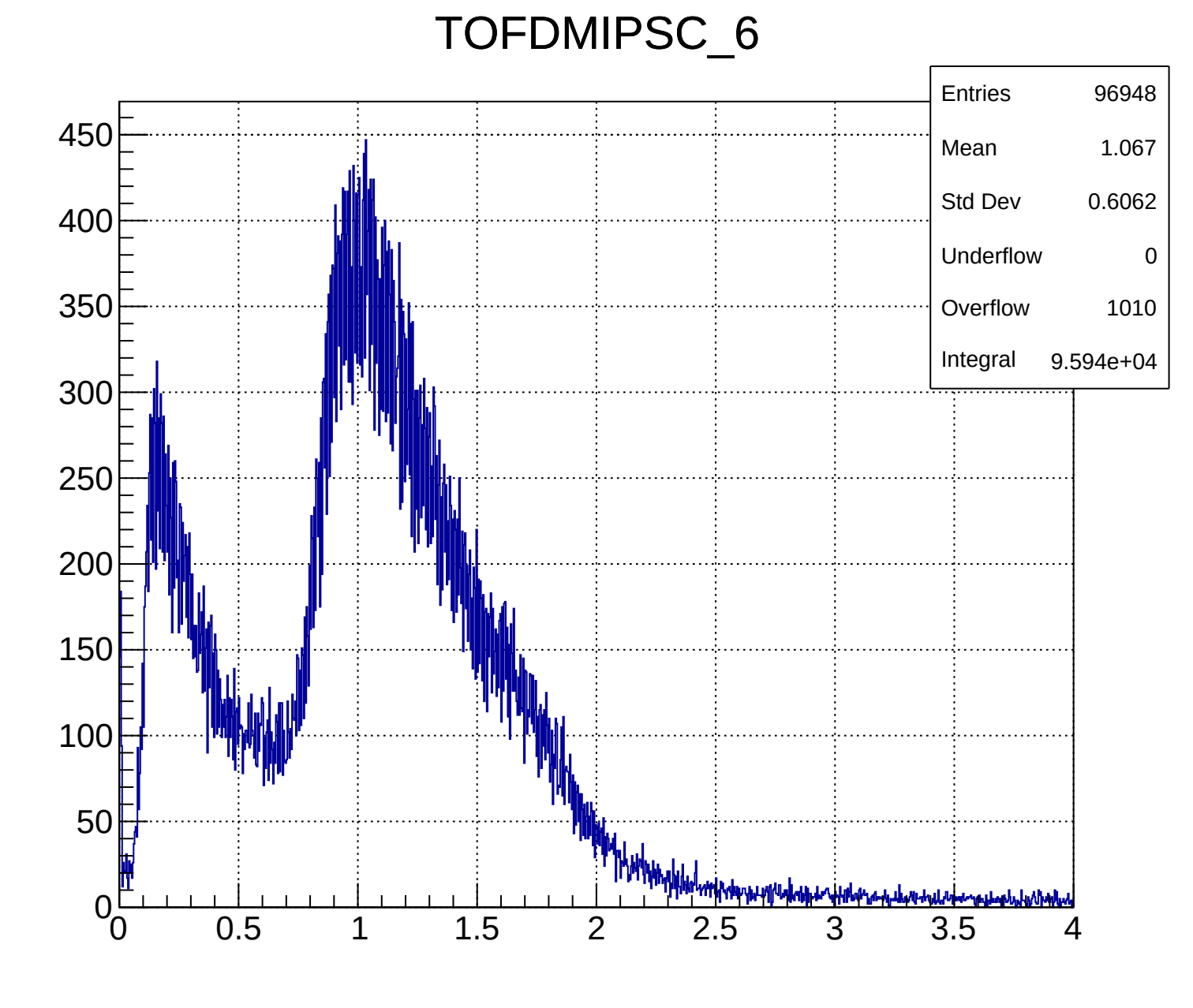
1.5
2
2.5
3
3.5
4


TOFDMIPSC_6
Entries 96948
Mean 1.067
Std Dev 0.6062
Underflow 0
Overflow 1010
Integral 9.594e+04
450
400
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300
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200
150
100
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0
0
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1.5
2
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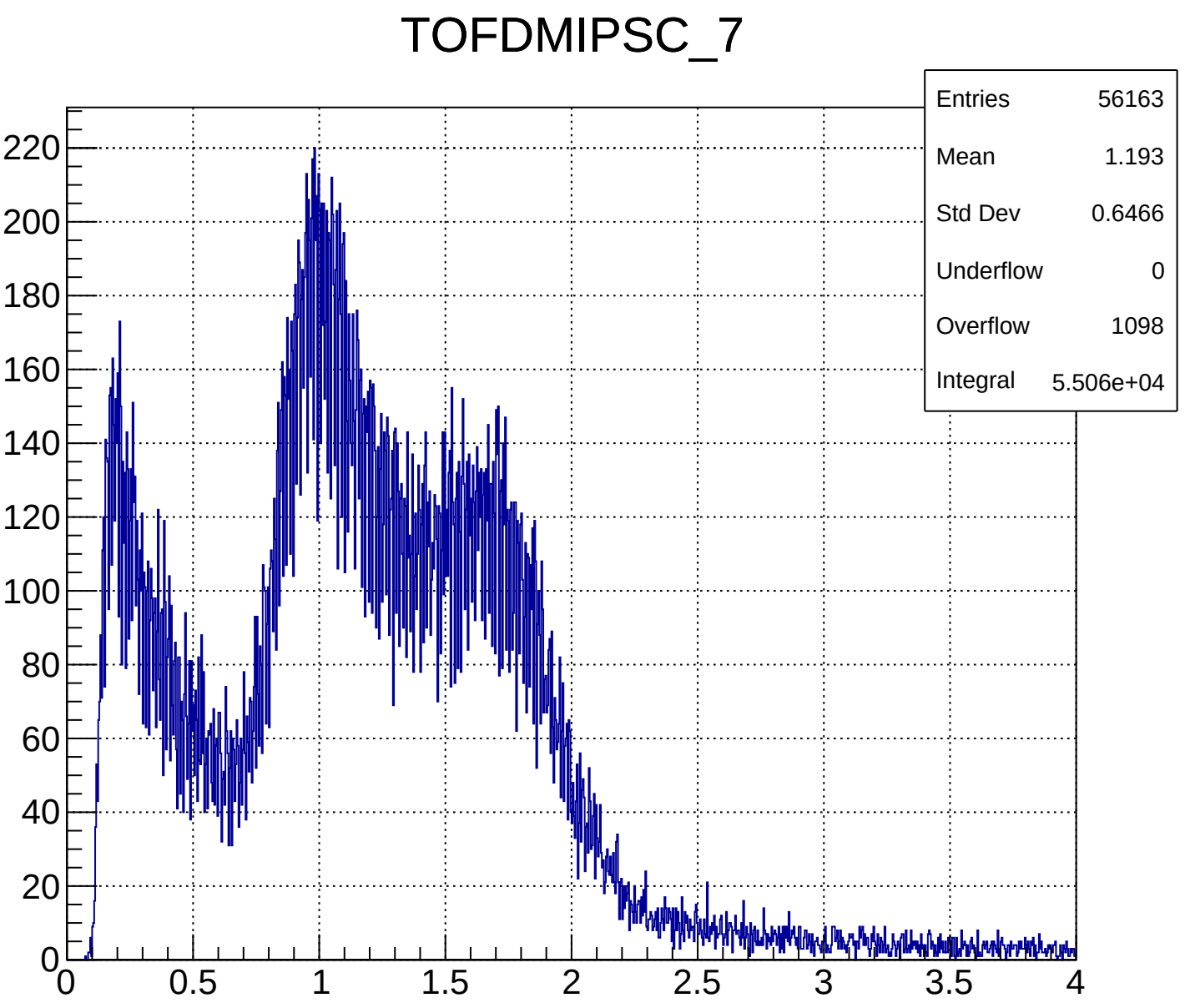
3.5
4


TOFDMIPSC_7
Entries 56163
Mean 1.193
Std Dev 0.6466
Underflow 0
Overflow 1098
Integral 5.506e+04
220
200
180
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120
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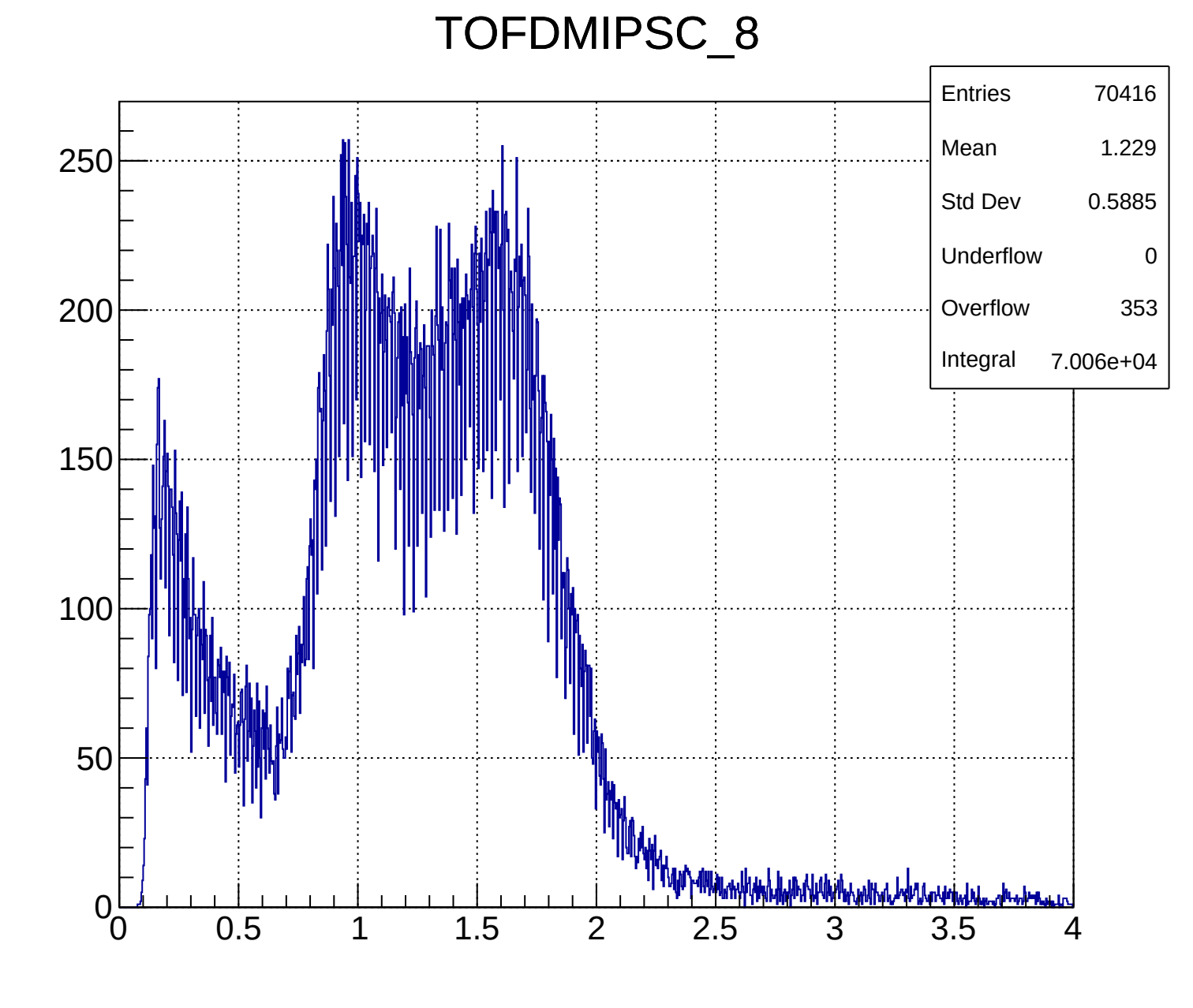
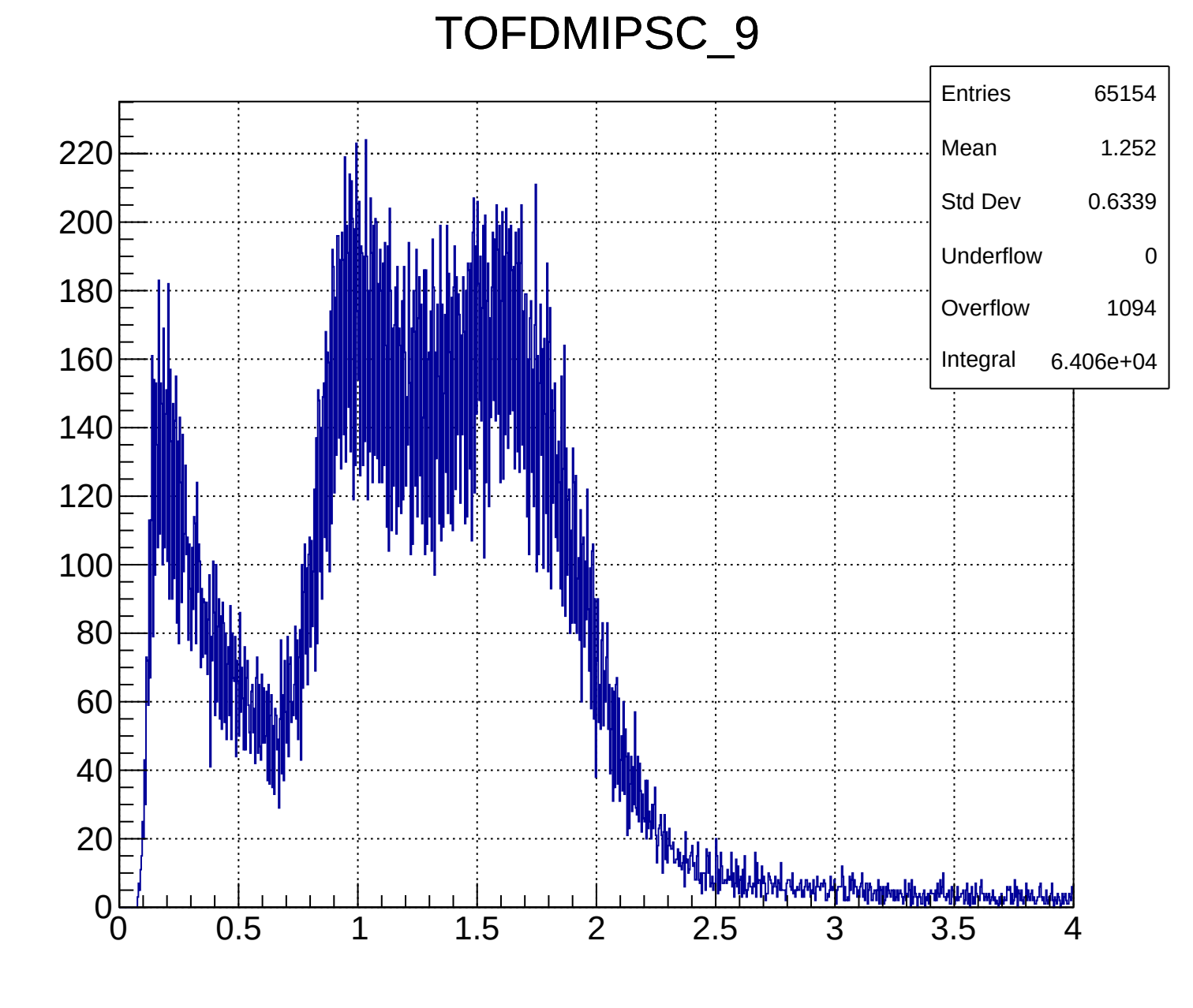

TOFDMIPSC_8
Entries 70416
Mean 1.229
Std Dev 0.5885
Underflow 0
Overflow 353
Integral 7.006e+04
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_9
Entries 65154
Mean 1.252
Std Dev 0.6339
Underflow 0
Overflow 1094
Integral 6.406e+04
0
20
40
60
80
100
120
140
160
180
200
220
0
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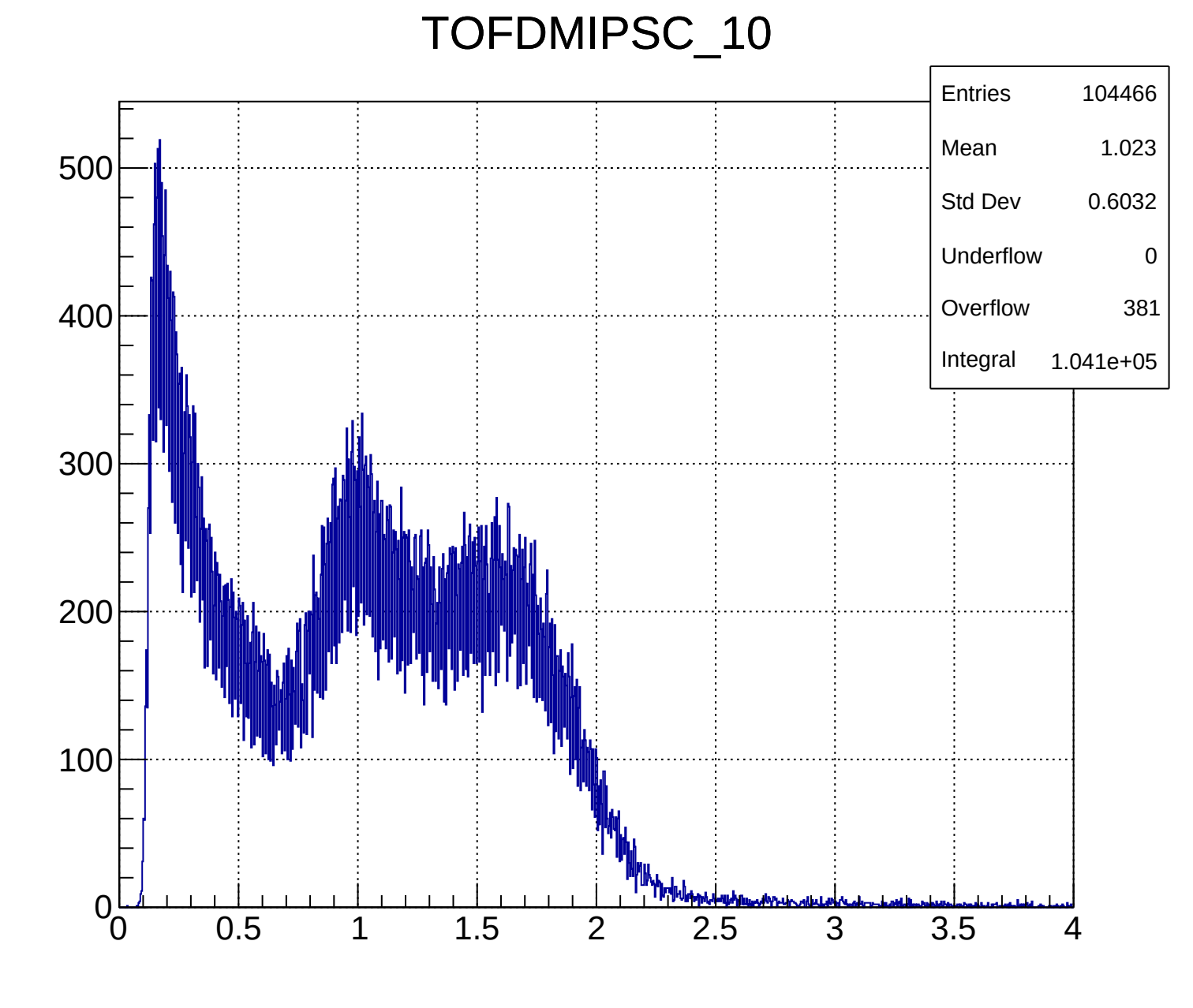
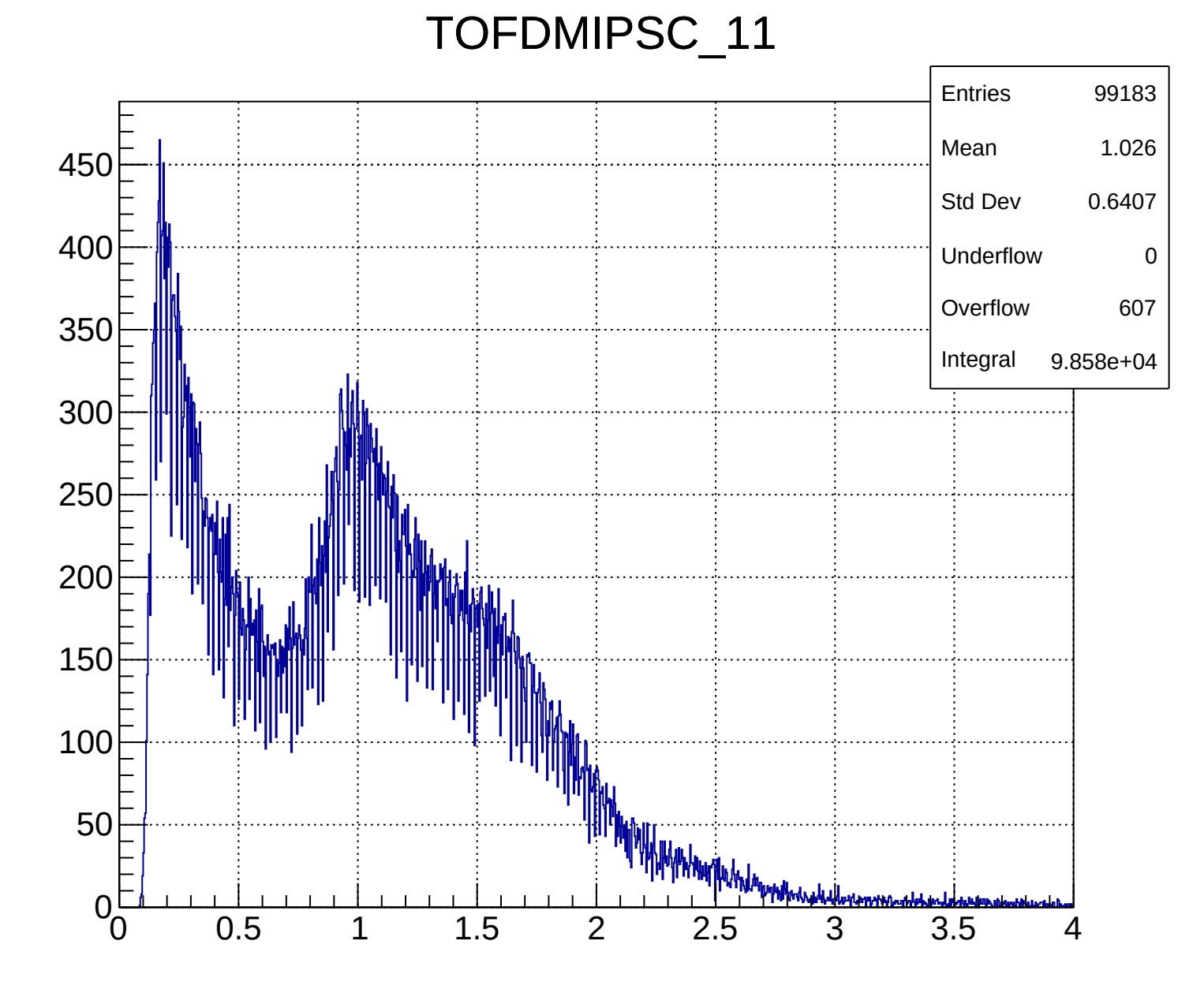
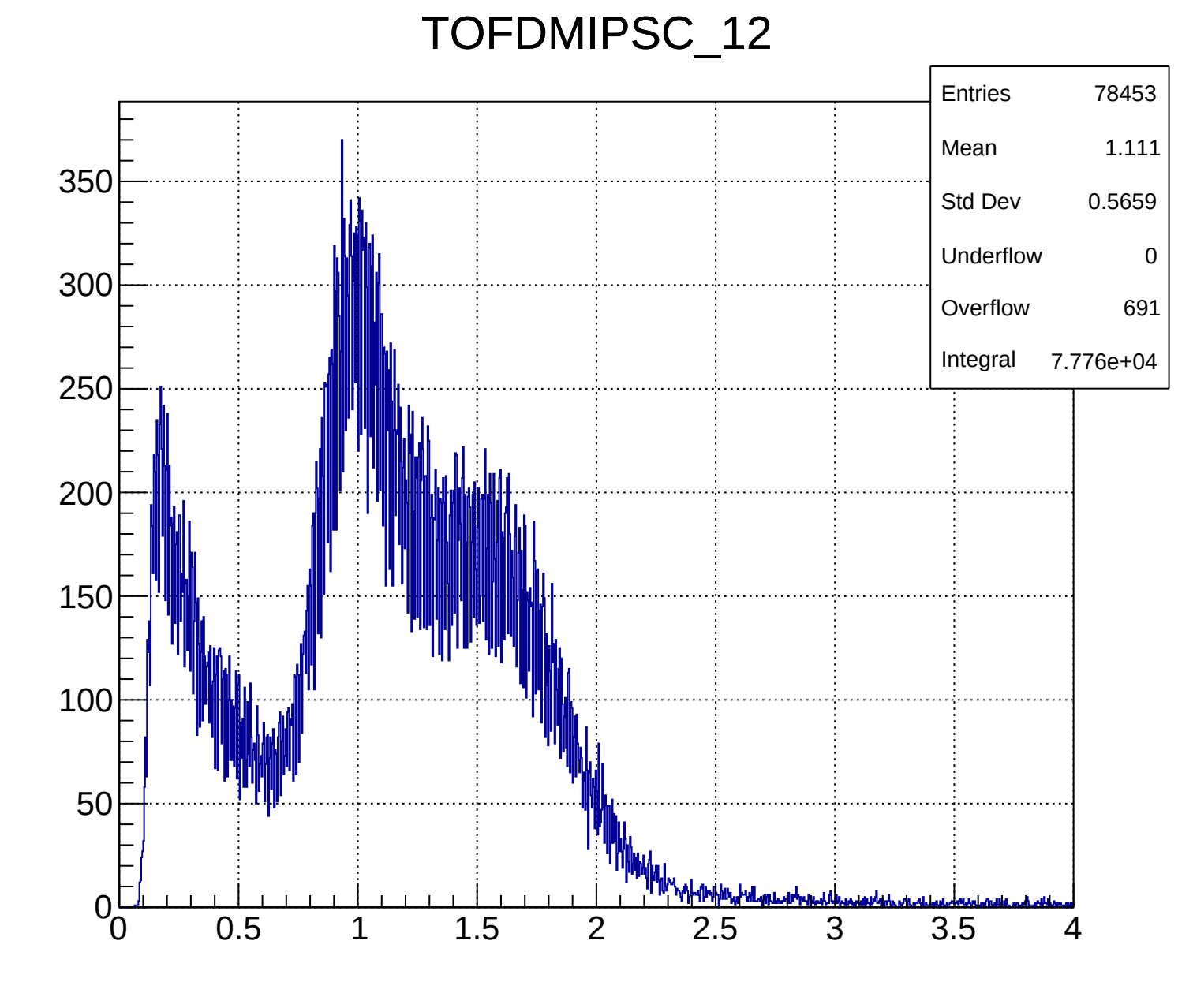
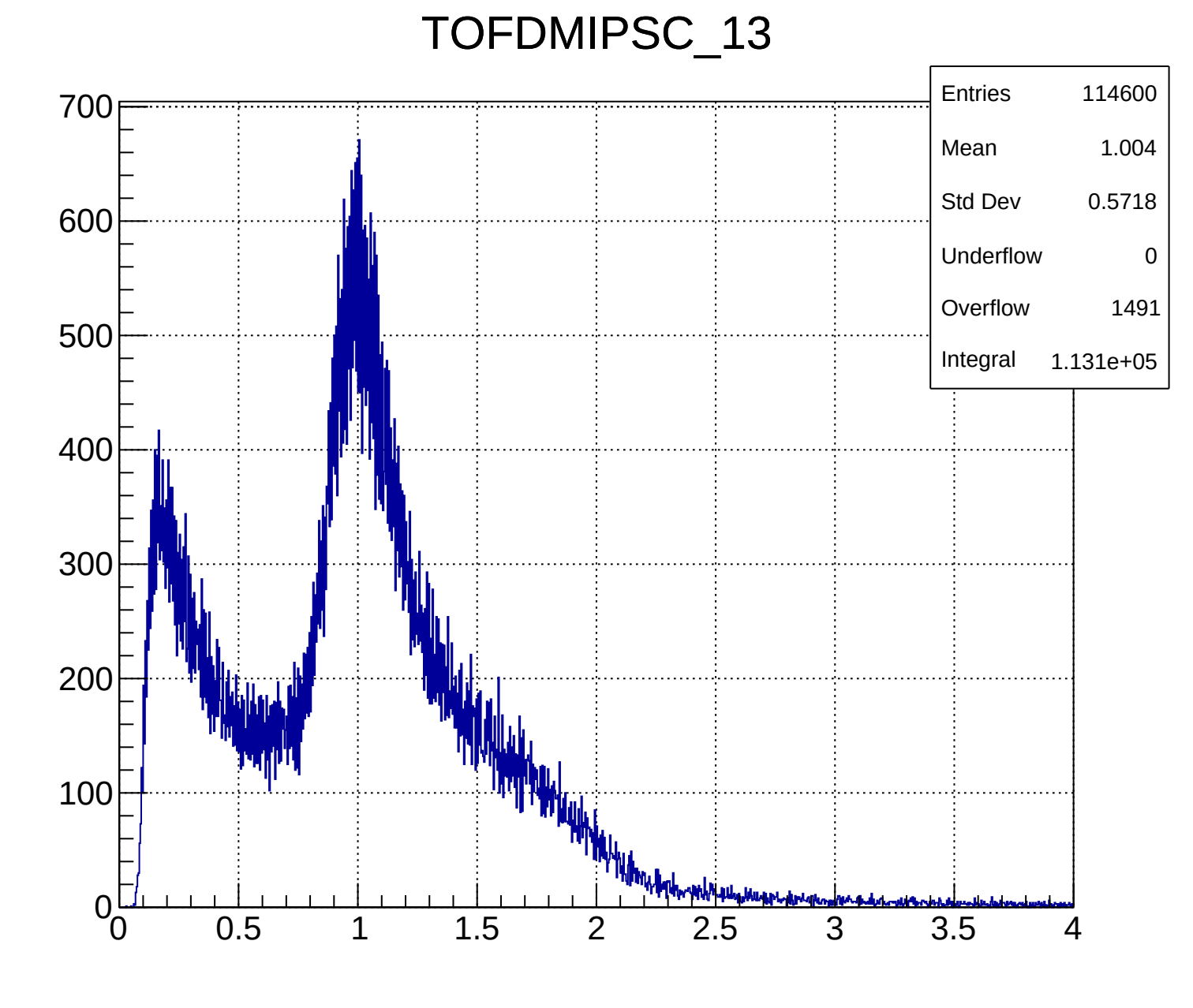
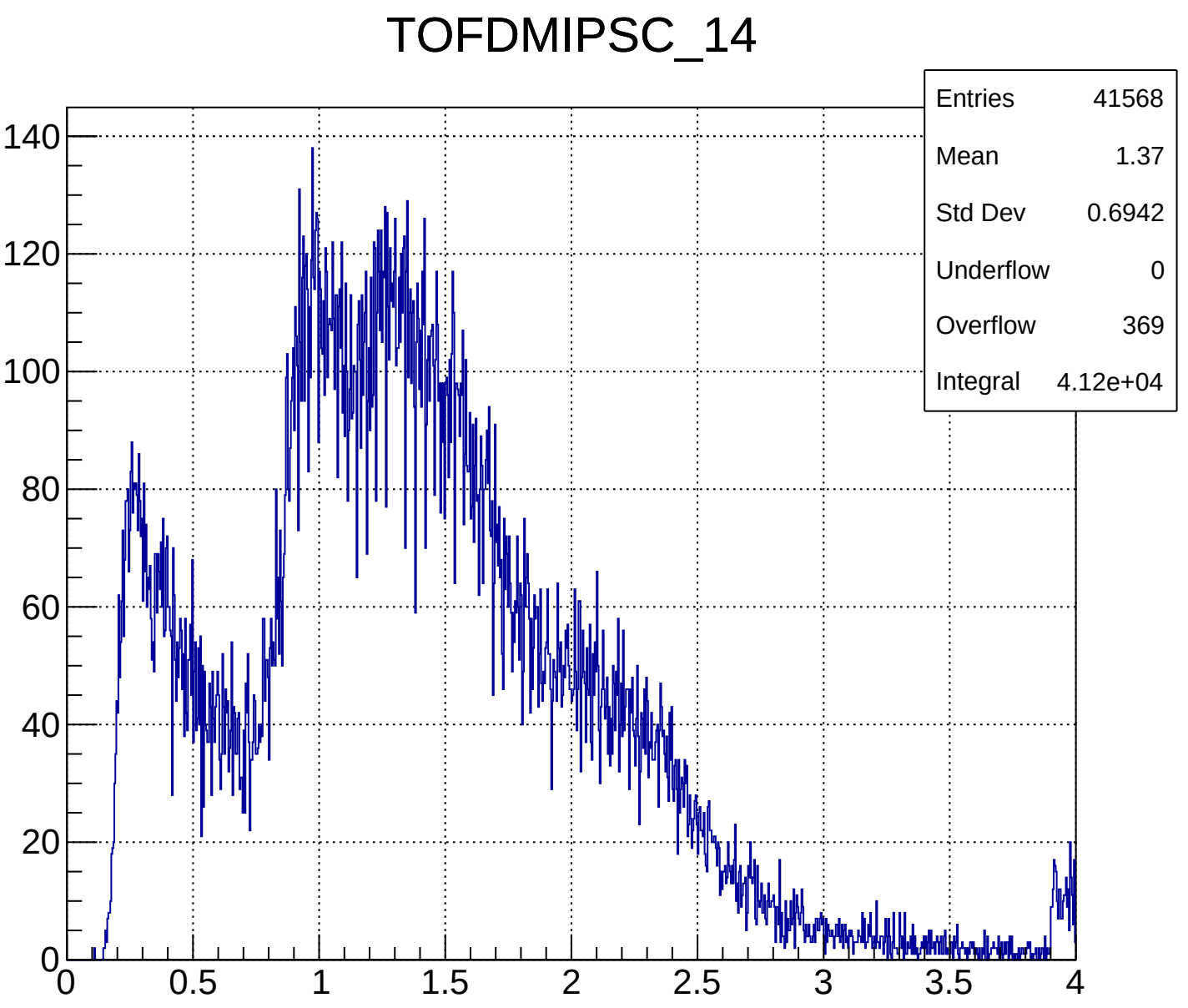
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_10
Entries 104466
Mean 1.023
Std Dev 0.6032
Underflow 0
Overflow 381
Integral 1.041e+05
500
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_11
Entries 99183
Mean 1.026
Std Dev 0.6407
Underflow 0
Overflow 607
Integral 9.858e+04
450
400
350
300
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_12
Entries 78453
Mean 1.111
Std Dev 0.5659
Underflow 0
Overflow 691
Integral 7.776e+04
350
300
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_13
Entries 114600
Mean 1.004
Std Dev 0.5718
Underflow 0
Overflow 1491
Integral 1.131e+05
700
600
500
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_14
Entries 41568
Mean 1.37
Std Dev 0.6942
Underflow 0
Overflow 369
Integral 4.12e+04
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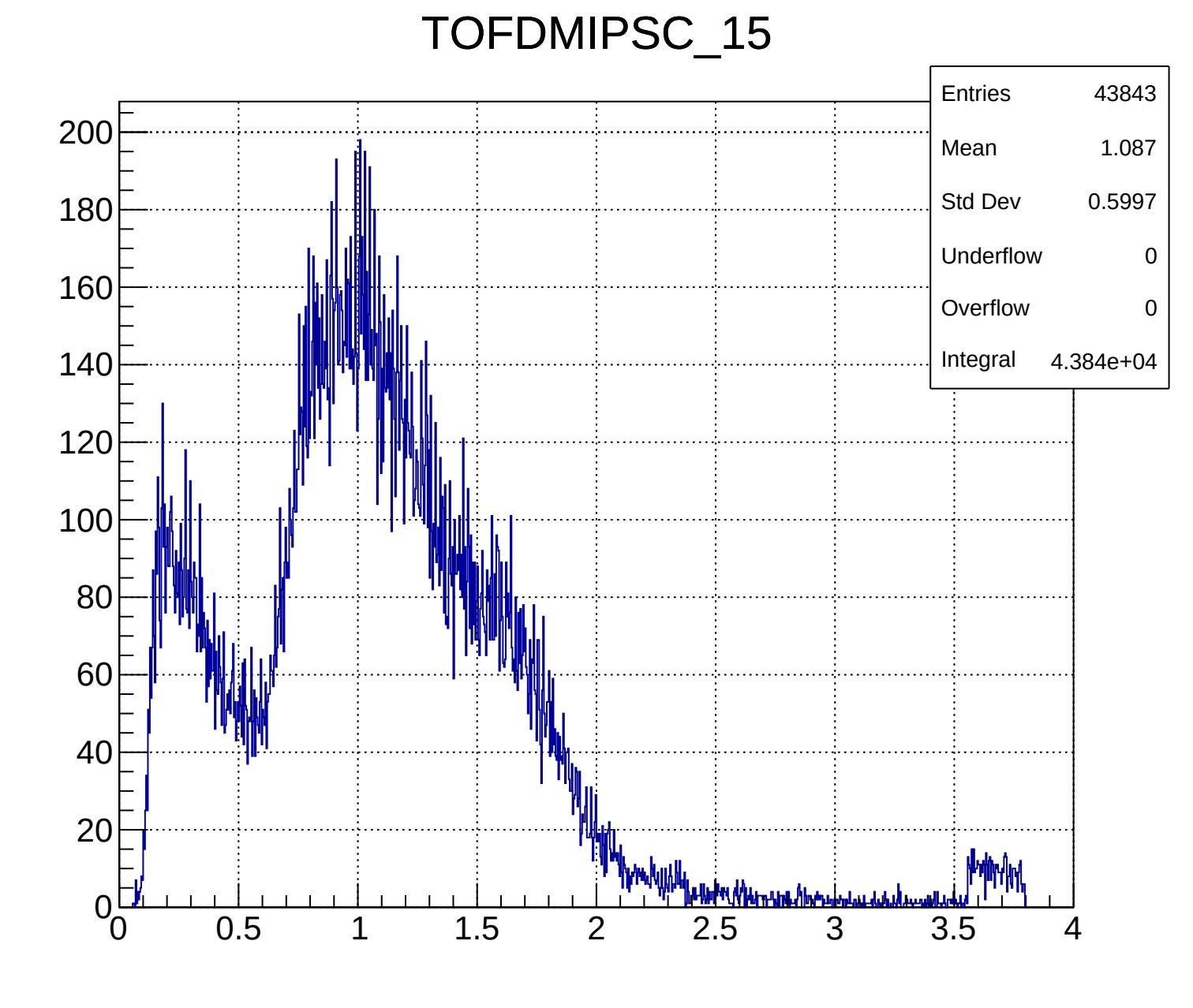
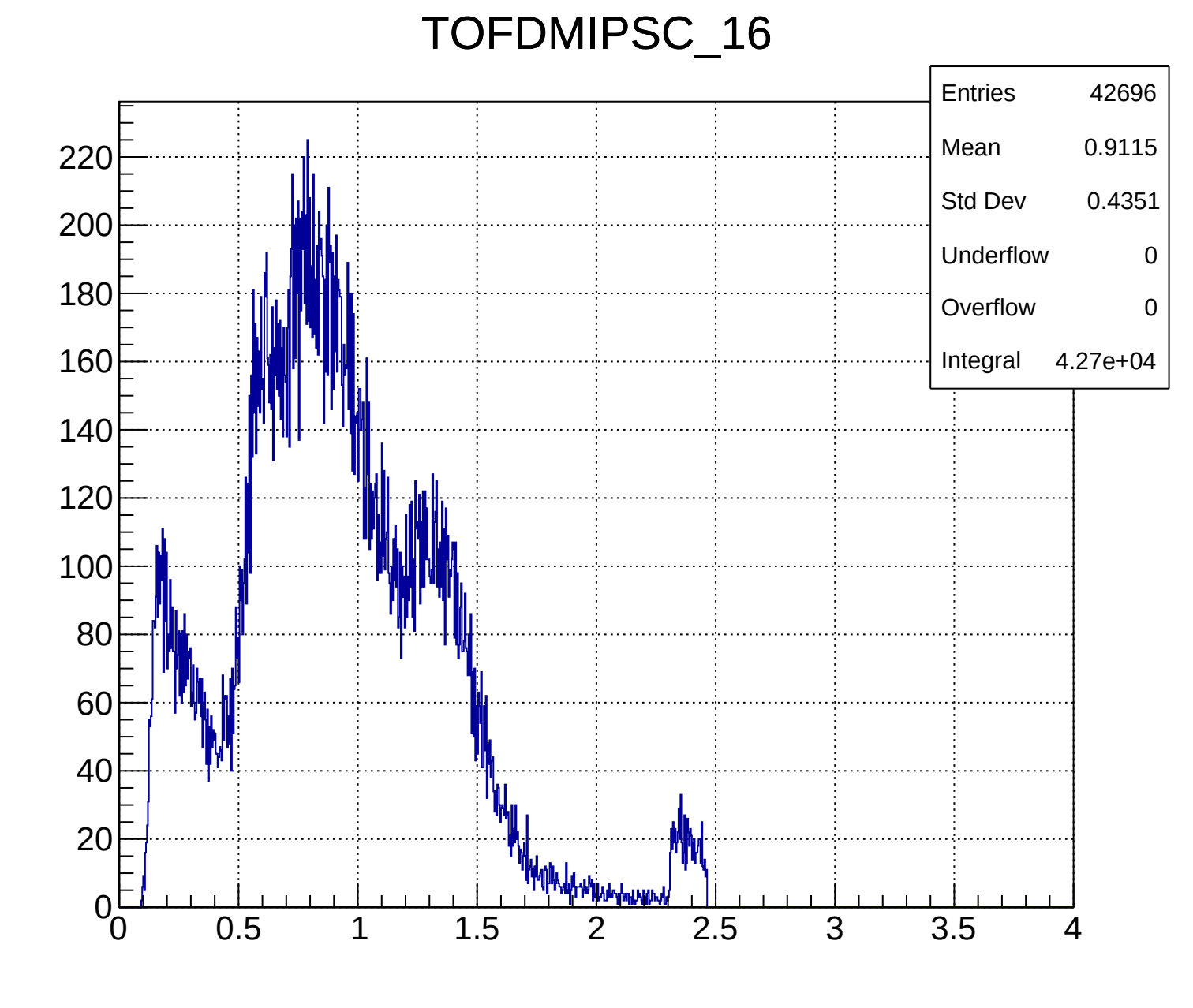
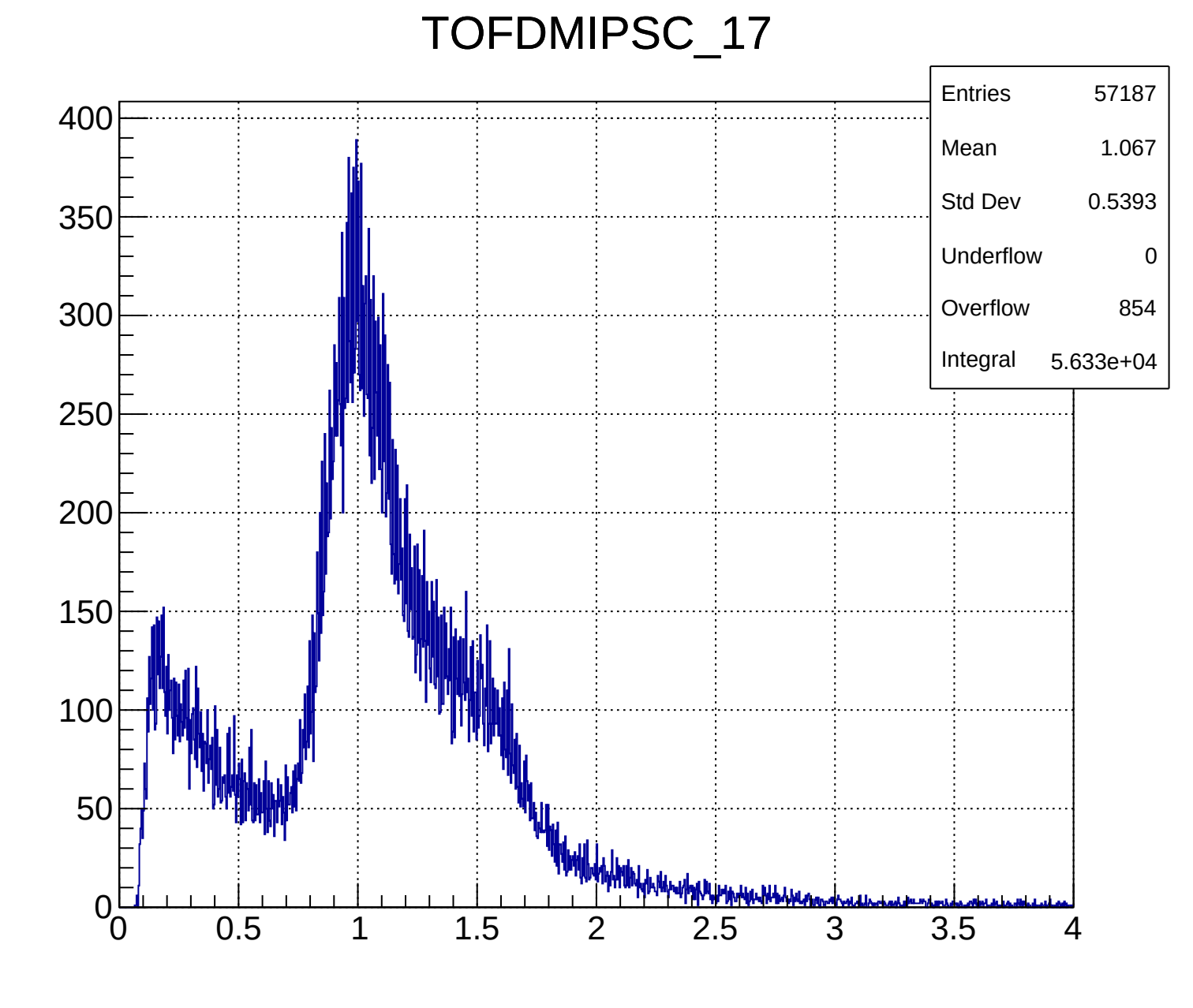
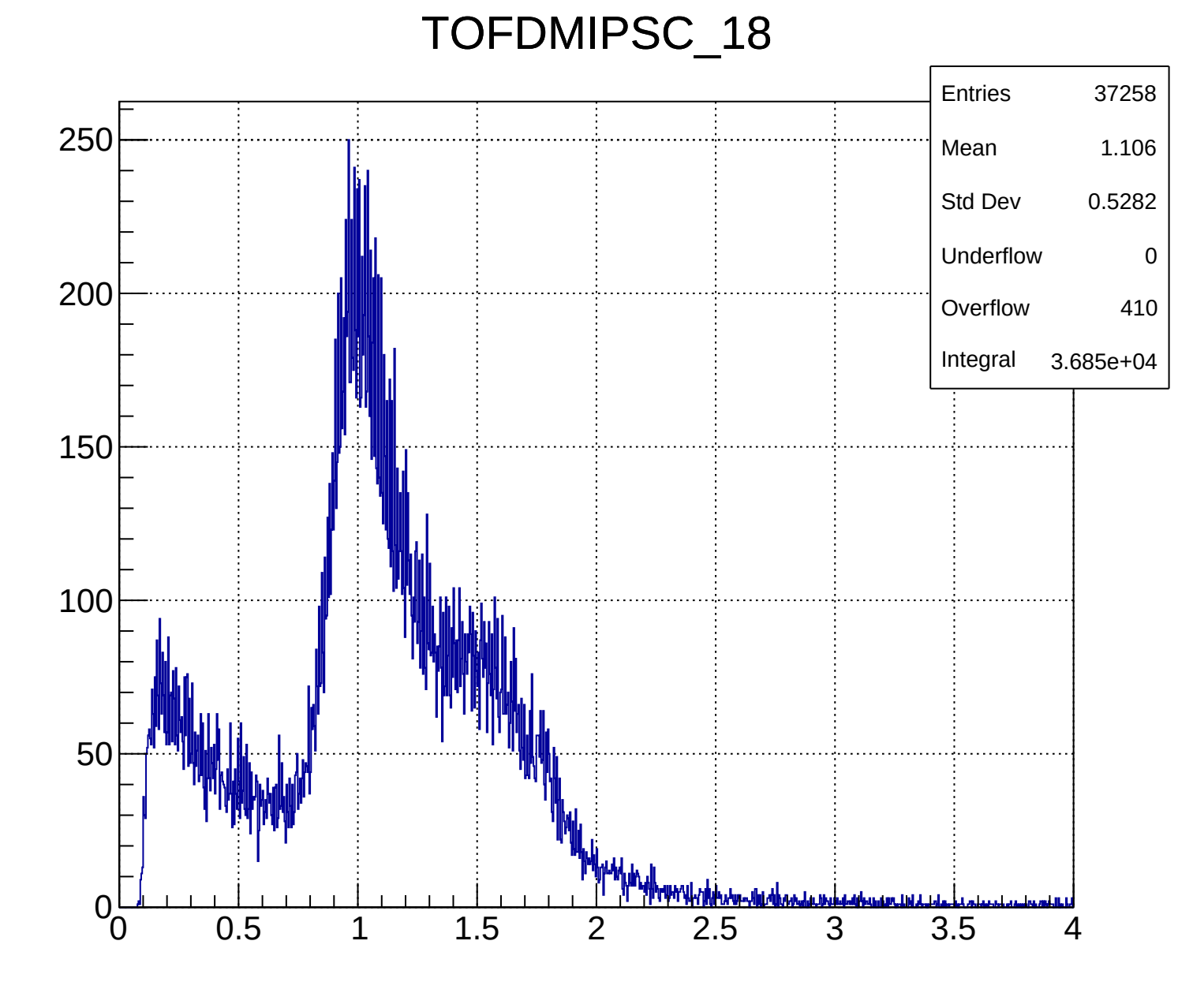
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_15
Entries 43843
Mean 1.087
Std Dev 0.5997
Underflow 0
Overflow 0
Integral 4.384e+04
200
180
160
140
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_16
Entries 42696
Mean 0.9115
Std Dev 0.4351
Underflow 0
Overflow 0
Integral 4.27e+04
0
20
40
60
80
100
120
140
160
180
200
220
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_17
Entries 57187
Mean 1.067
Std Dev 0.5393
Underflow 0
Overflow 854
Integral 5.633e+04
400
350
300
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_18
Entries 37258
Mean 1.106
Std Dev 0.5282
Underflow 0
Overflow 410
Integral 3.685e+04
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200
150
100
50
0
0
0.5
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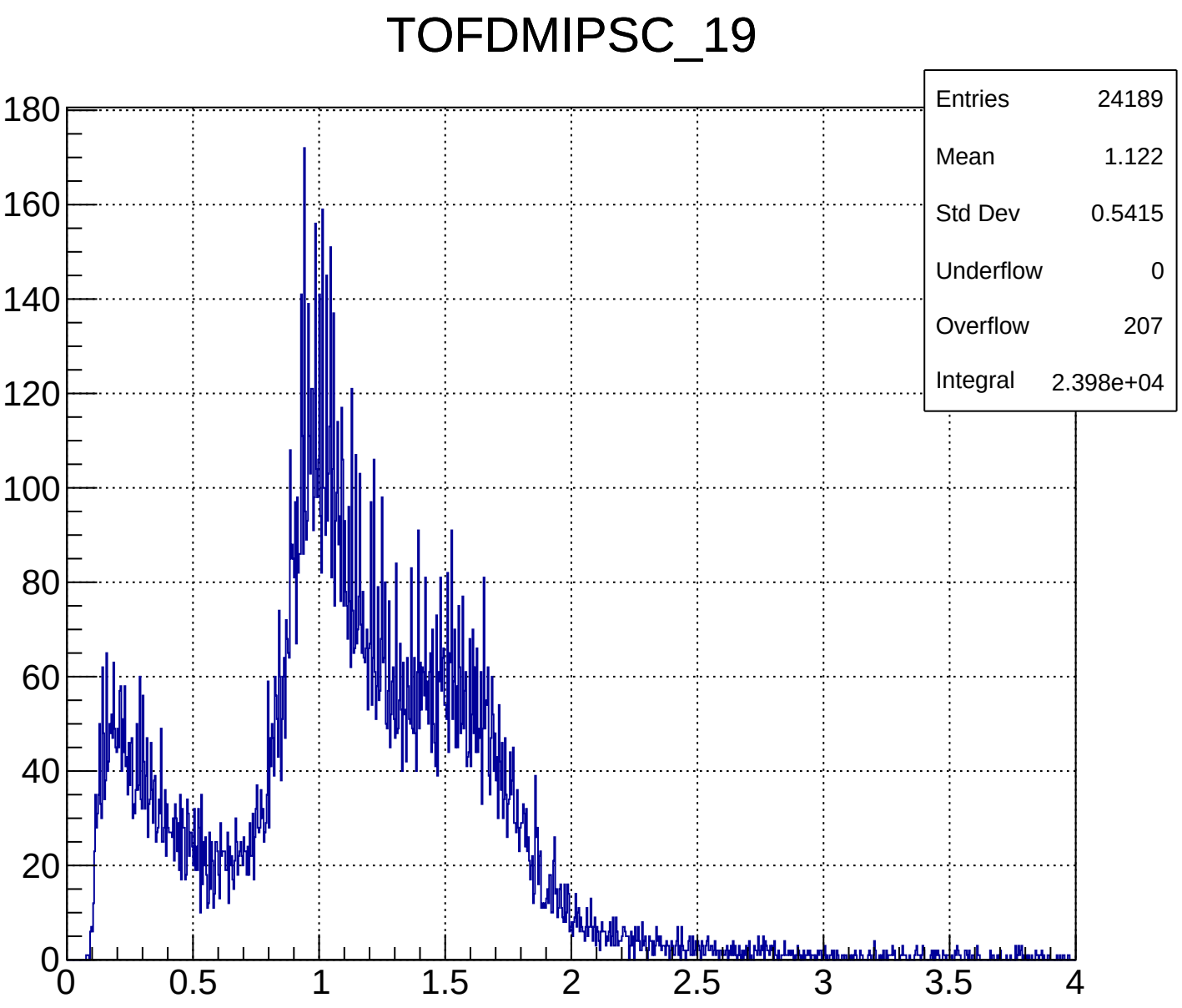
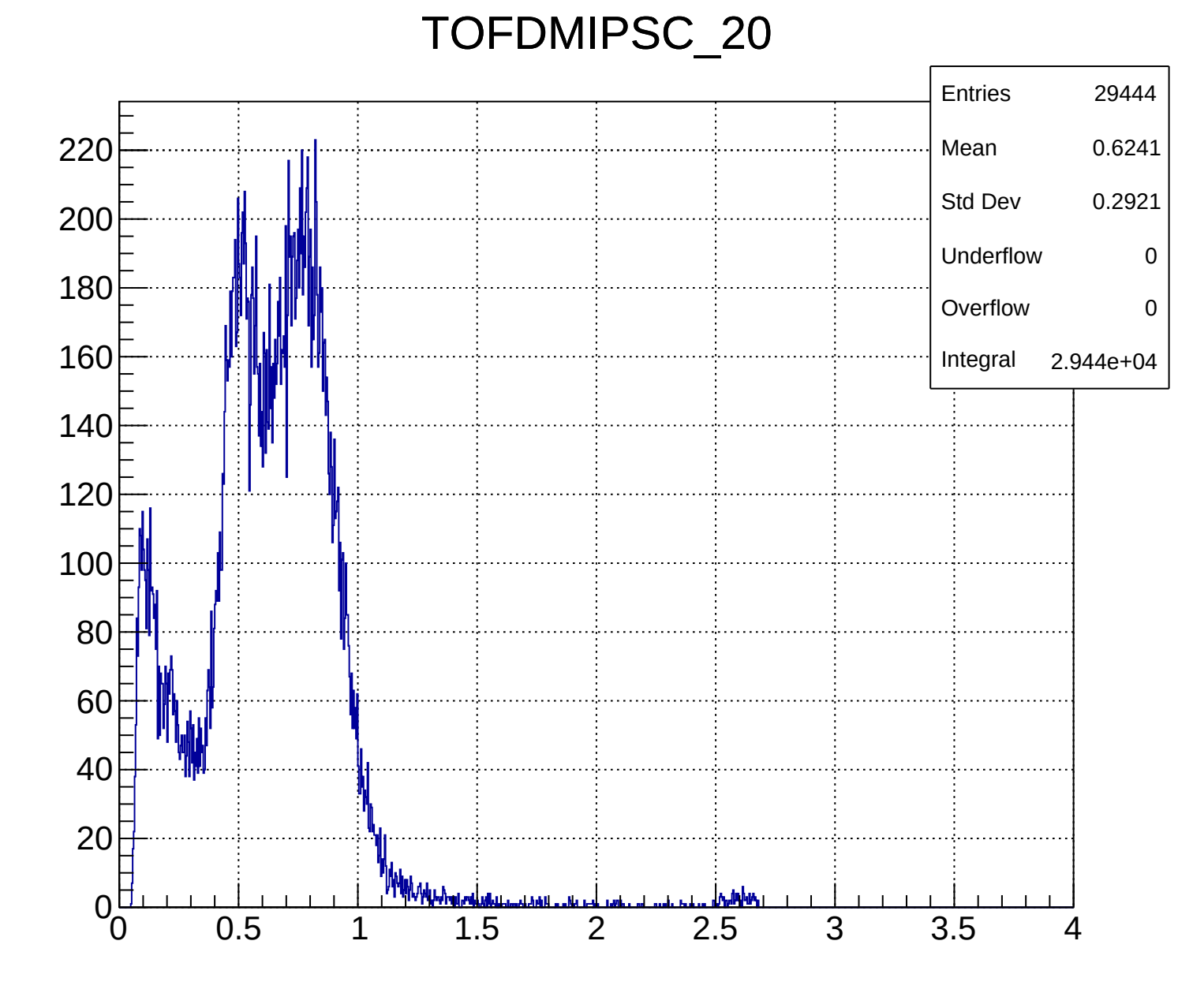
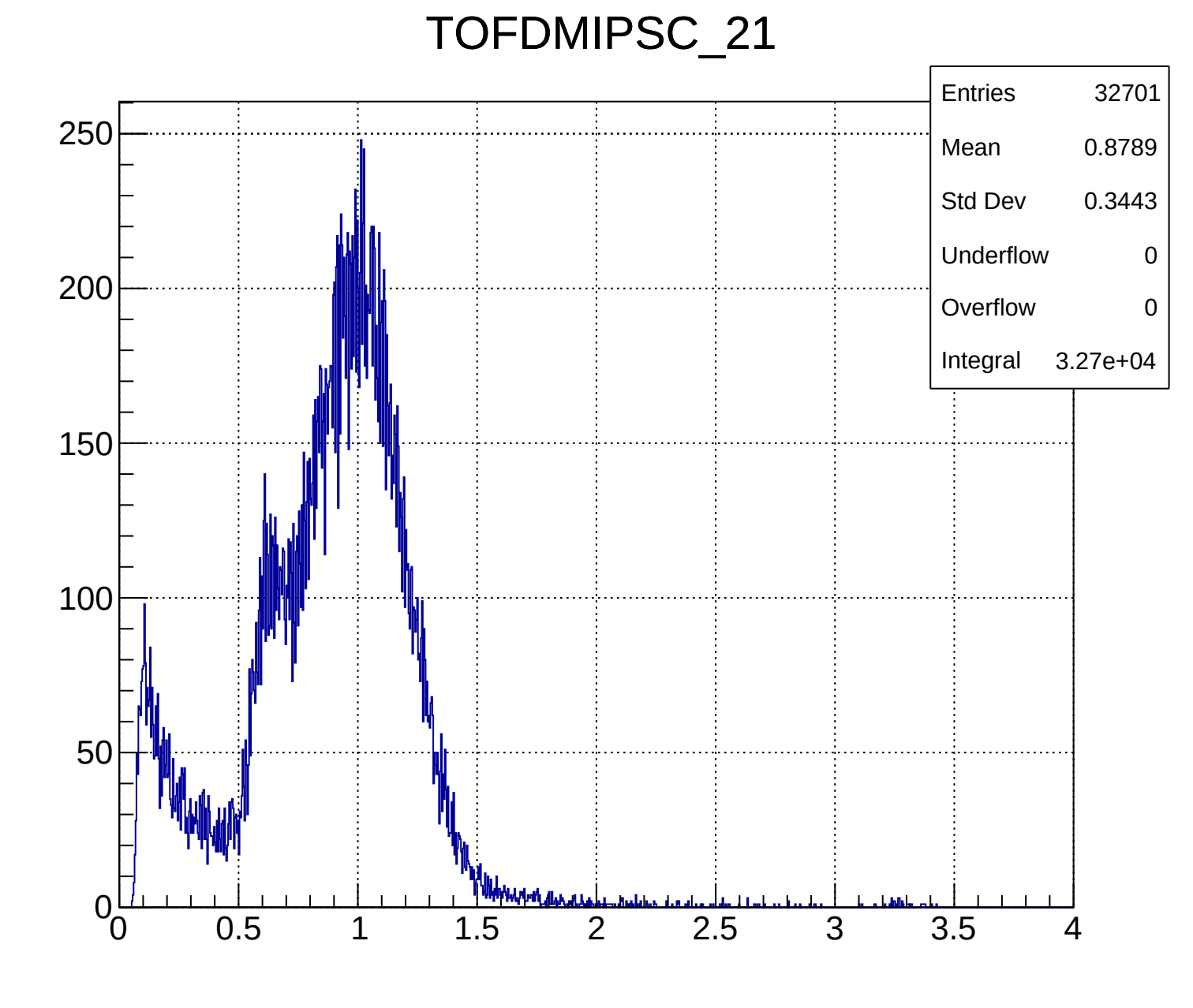
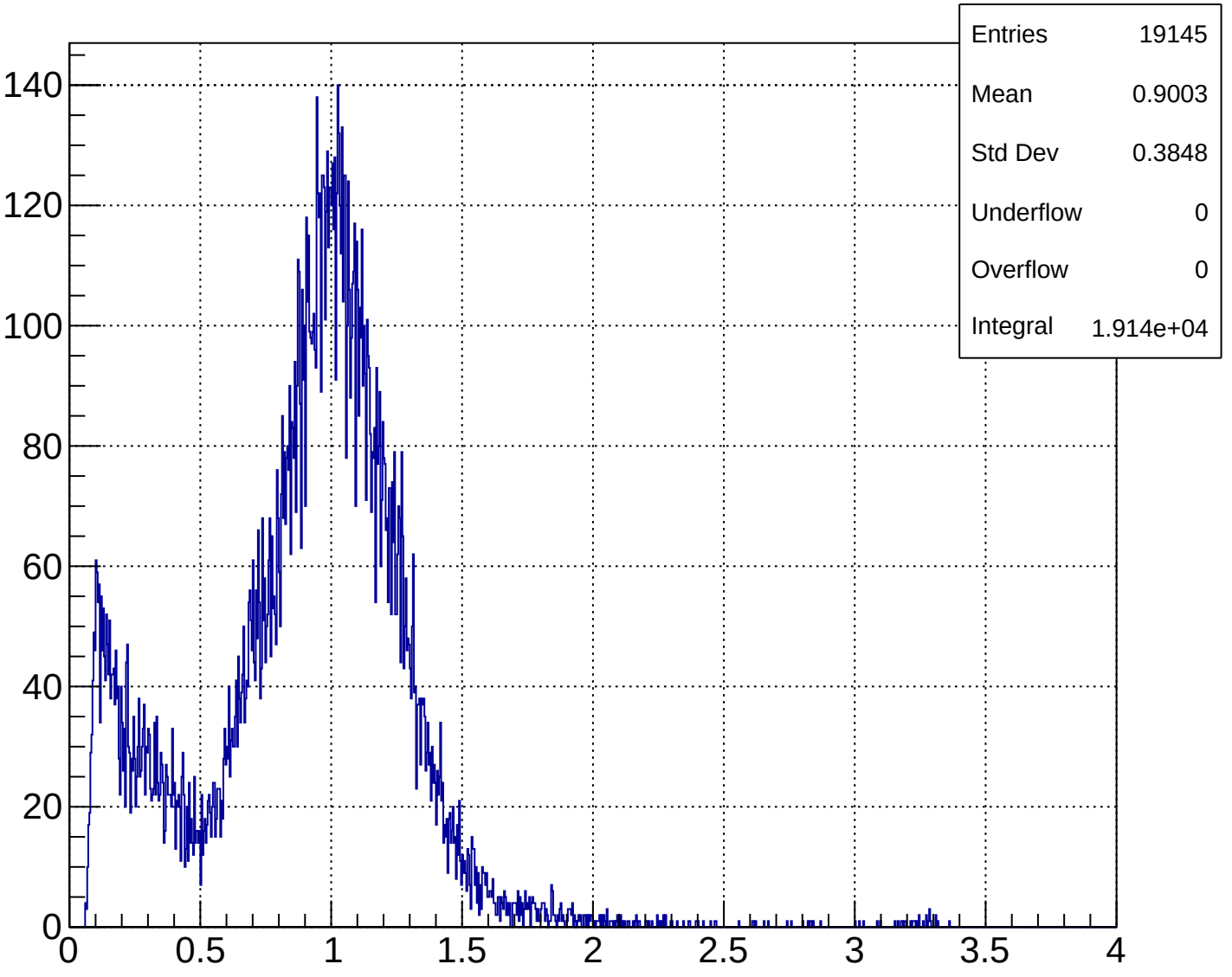
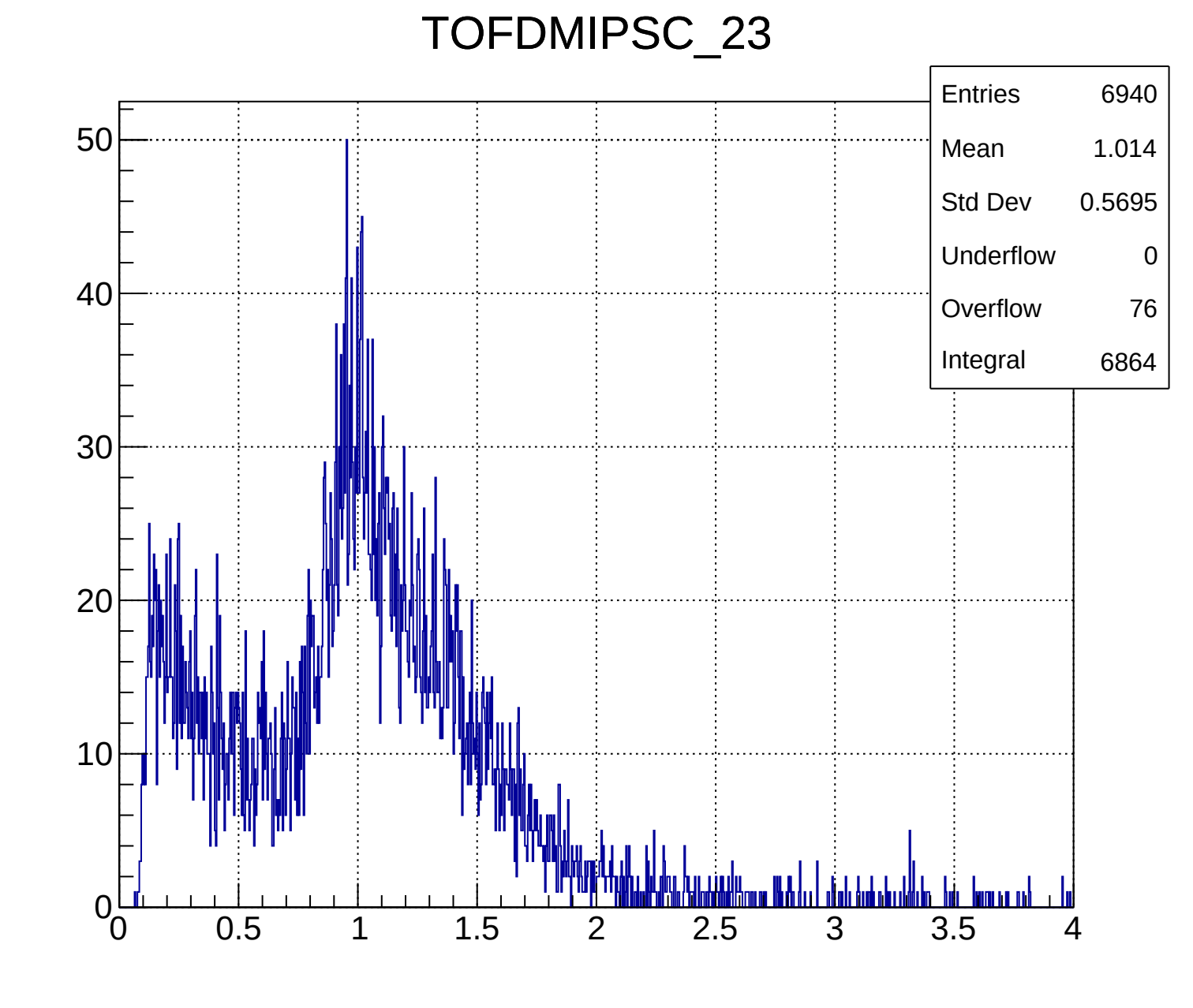
1.5
2
2.5
3
3.5
4


TOFDMIPSC_19
Entries 24189
Mean 1.122
Std Dev 0.5415
Underflow 0
Overflow 207
Integral 2.398e+04
180
160
140
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_20
Entries 29444
Mean 0.6241
Std Dev 0.2921
Underflow 0
Overflow 0
Integral 2.944e+04
220
200
180
160
140
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_21
Entries 32701
Mean 0.8789
Std Dev 0.3443
Underflow 0
Overflow 0
Integral 3.27e+04
250
200
150
100
50
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_22
Entries 19145
Mean 0.9003
Std Dev 0.3848
Underflow 0
Overflow 0
Integral 1.914e+04
140
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_23
Entries 6940
Mean 1.014
Std Dev 0.5695
Underflow 0
Overflow 76
Integral 6864
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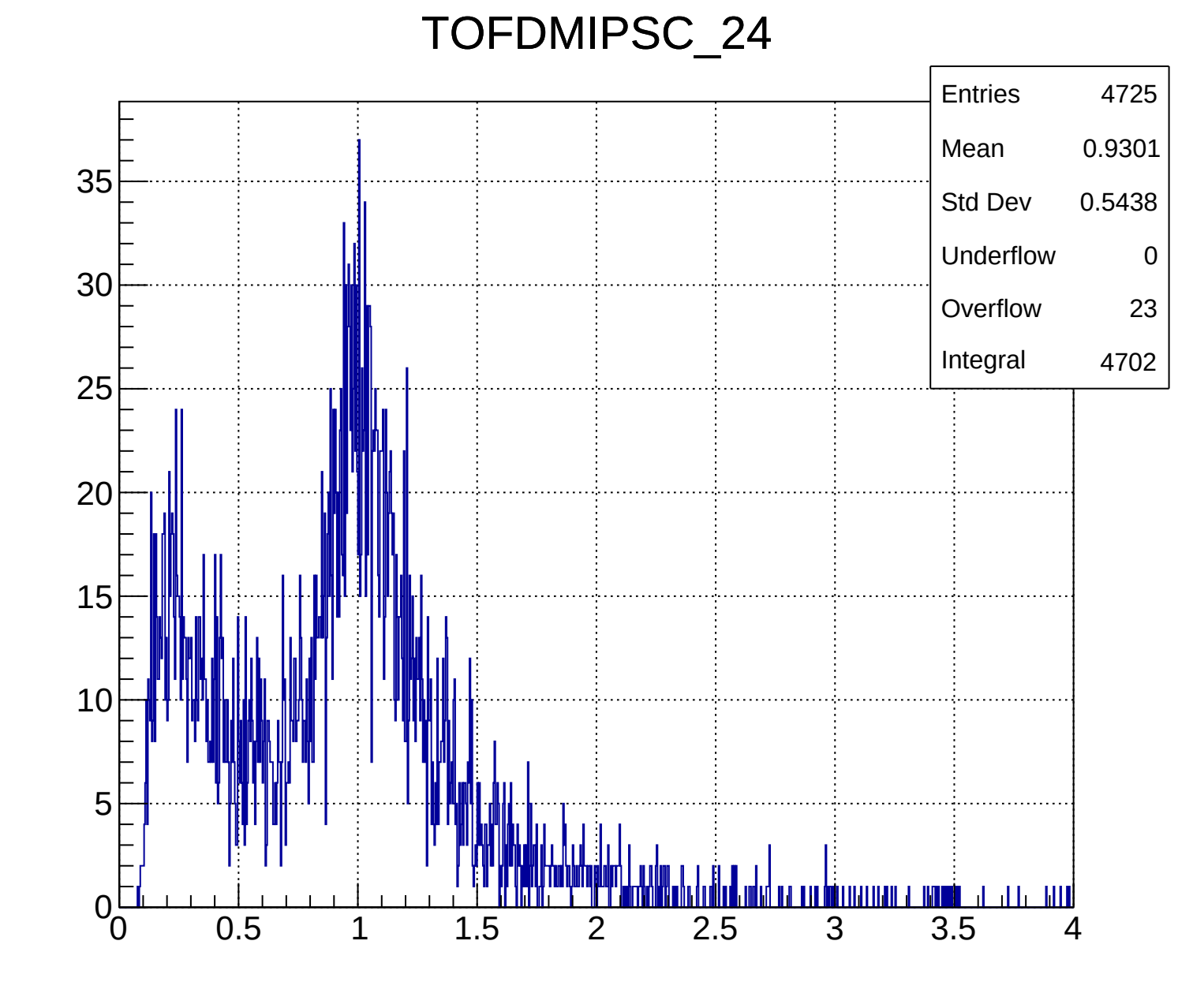
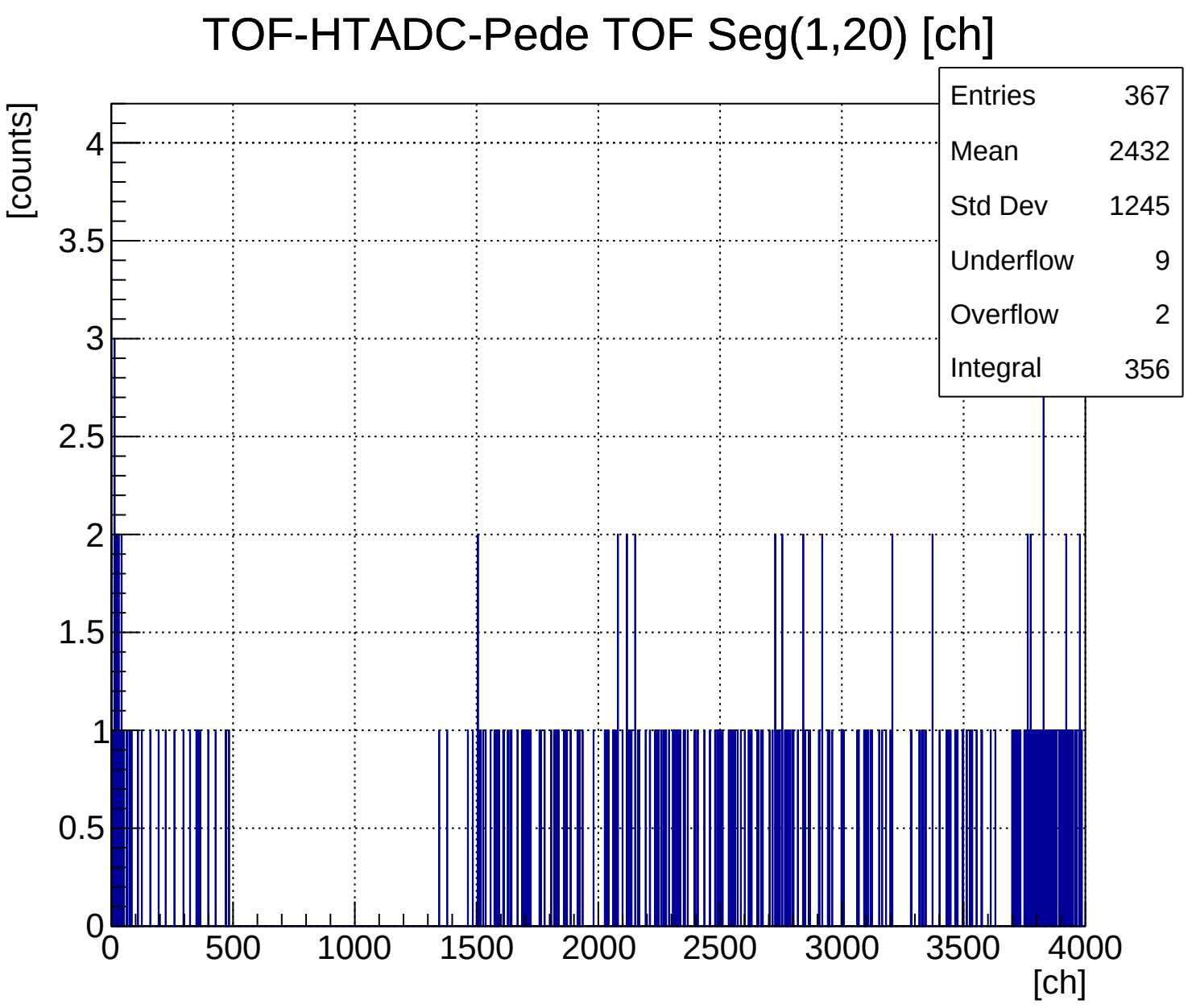
10
20
30
40
50
0
0.5
1
1.5
2
2.5
3
3.5
4


TOFDMIPSC_24
Entries 4725
Mean 0.9301
Std Dev 0.5438
Underflow 0
Overflow 23
Integral 4702
0
5
10
15
20
25
30
35
0
0.5
1
1.5
2
2.5
3
3.5
4


TOF-HTADC-Pede TOF Seg(1,20) [ch]
Entries 367
Mean 2432
Std Dev 1245
Underflow 9
Overflow 2
Integral 356
[counts]
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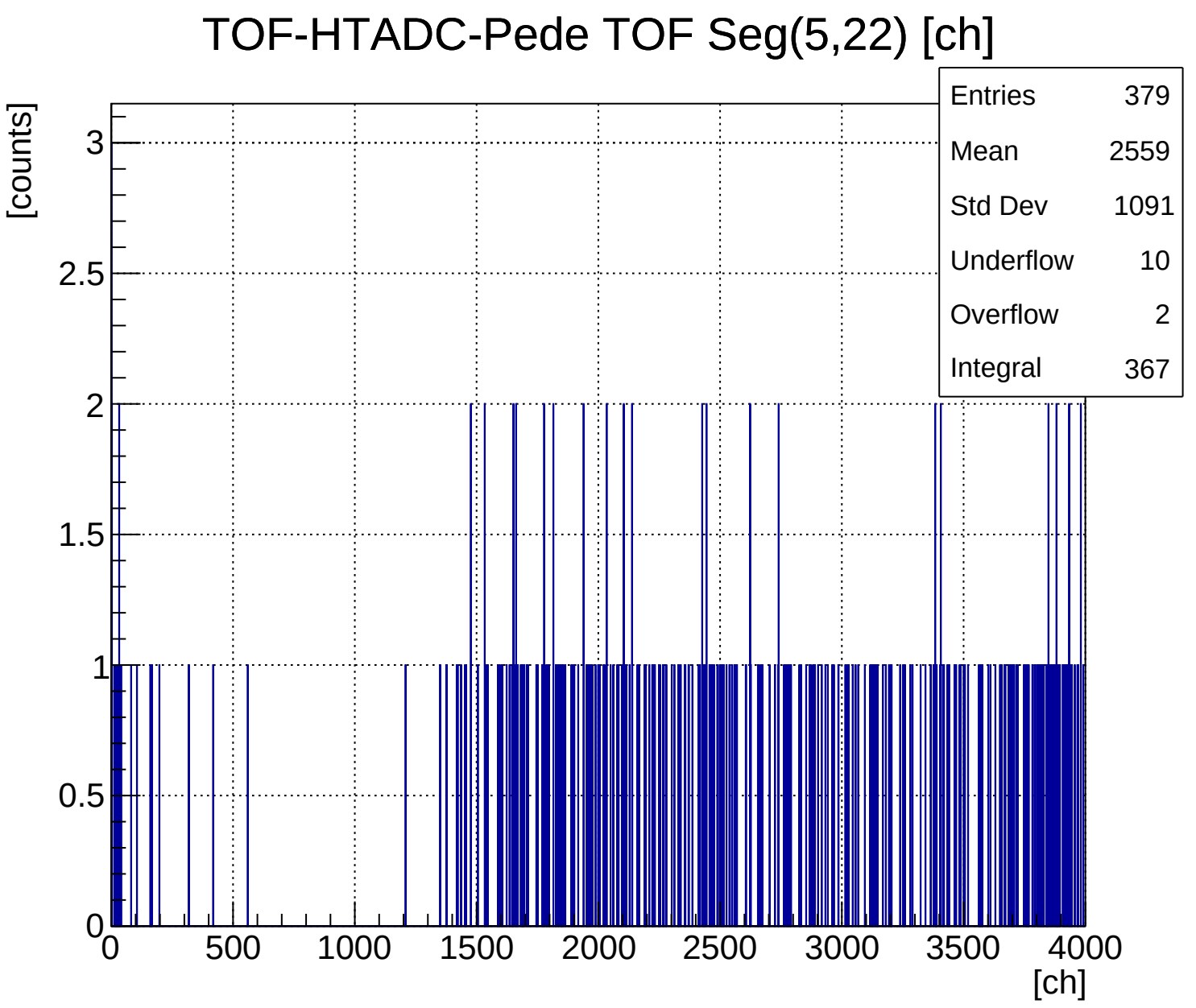
0.5
1
1.5
2
2.5
3
3.5
4
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(5,22) [ch]
Entries 379
Mean 2559
Std Dev 1091
Underflow 10
Overflow 2
Integral 367
[counts]
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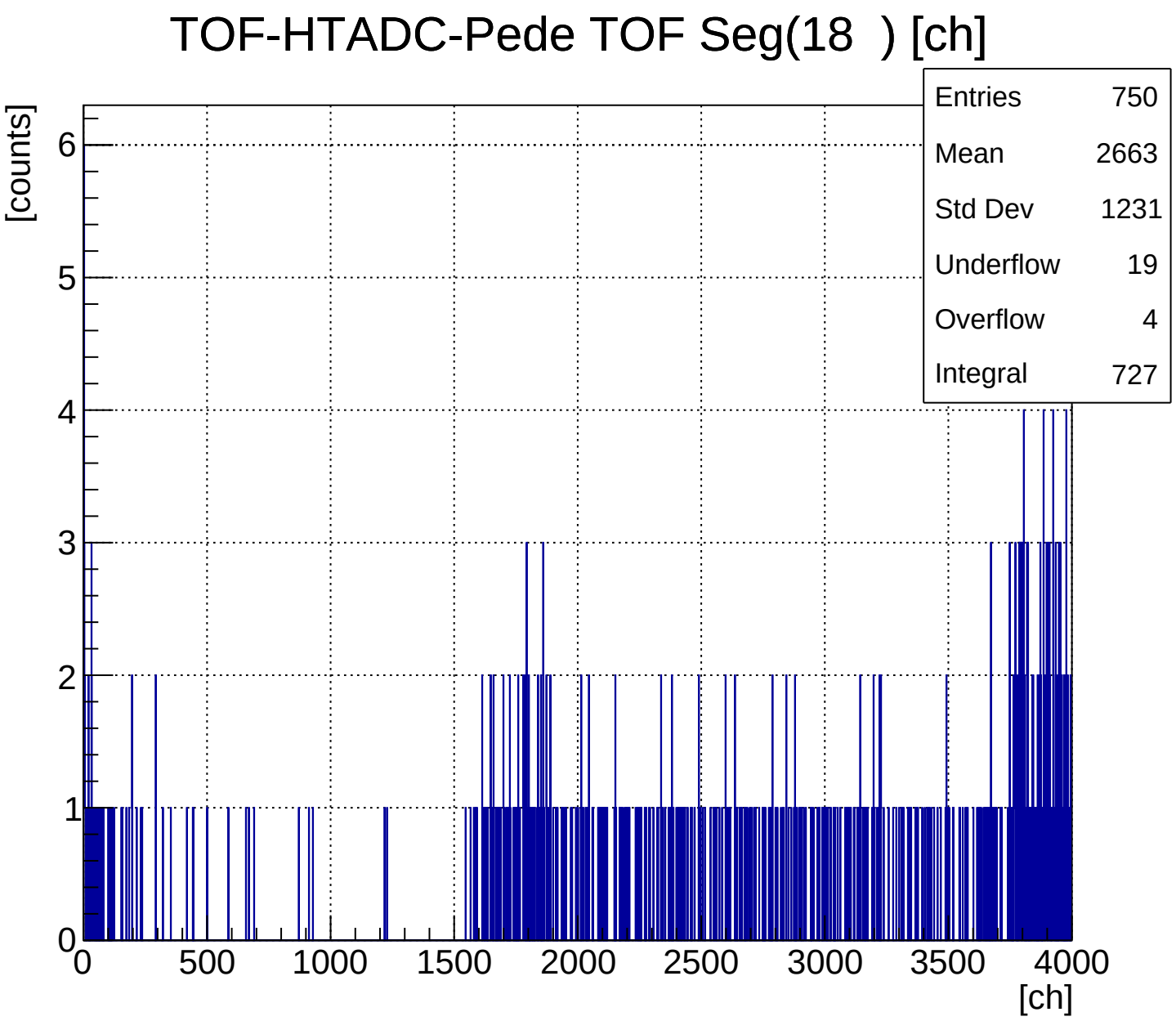
2.5
2
1.5
1
0.5
0
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(18) [ch]
Entries 750
Mean 2663
Std Dev 1231
Underflow 19
Overflow 4
Integral 727
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1
2
3
4
5
6
0
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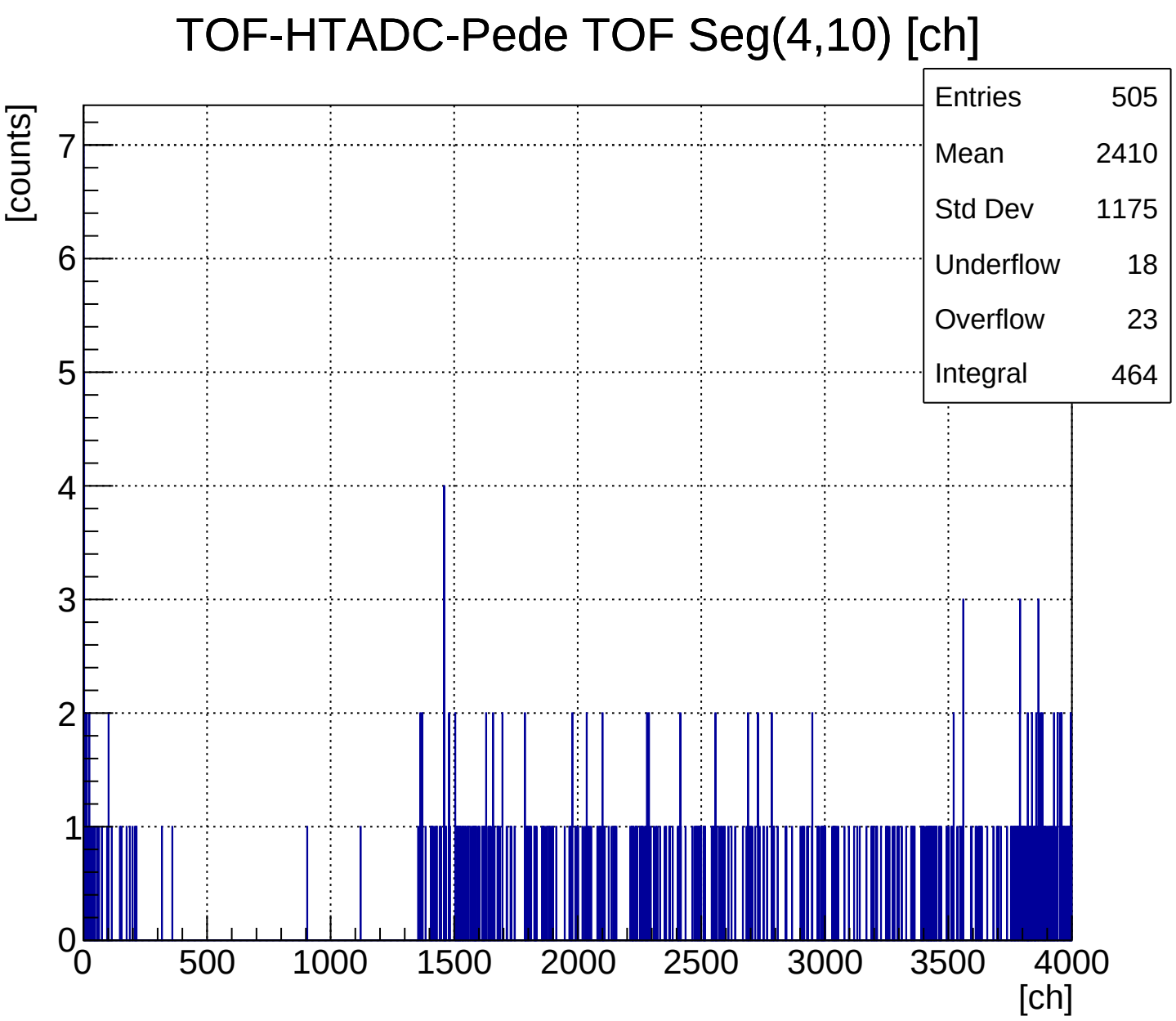
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(4,10) [ch]
Entries 505
Mean 2410
Std Dev 1175
Underflow 18
Overflow 23
Integral 464
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1
2
3
4
5
6
7
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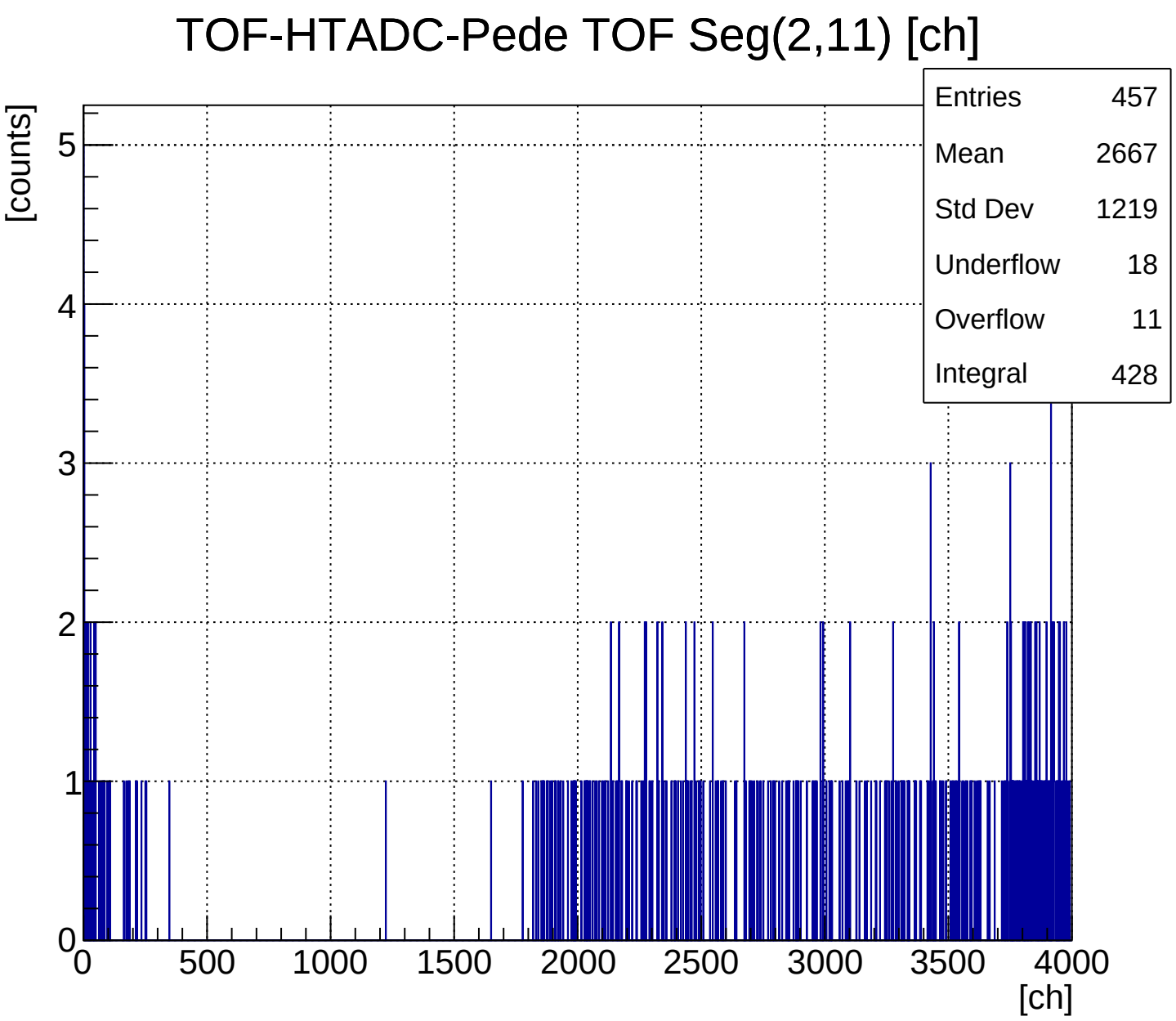
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(2,11) [ch]
Entries 457
Mean 2667
Std Dev 1219
Underflow 18
Overflow 11
Integral 428
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1
2
3
4
5
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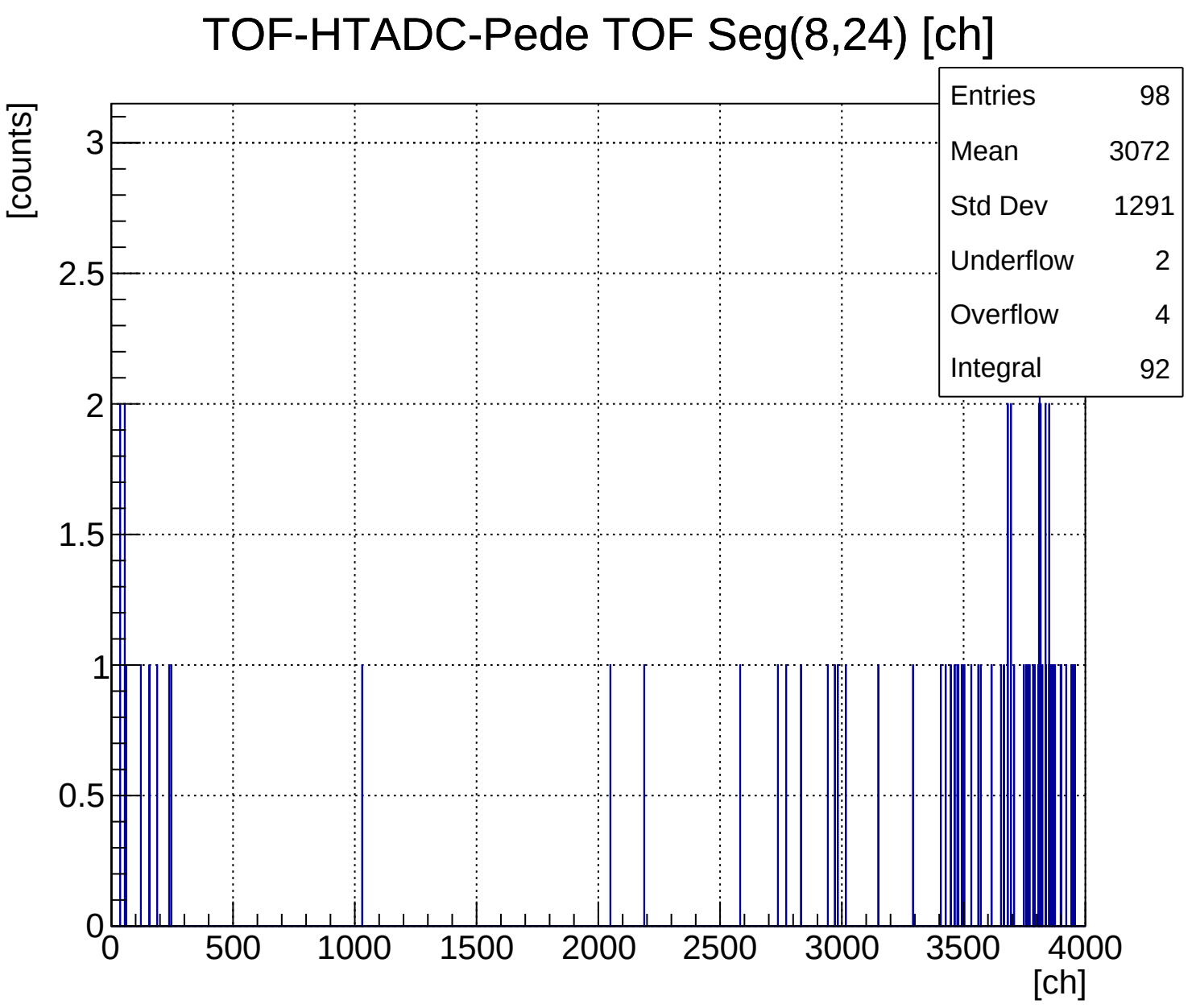
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(8,24) [ch]
Entries 98
Mean 3072
Std Dev 1291
Underflow 2
Overflow 4
Integral 92
[counts]
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2.5
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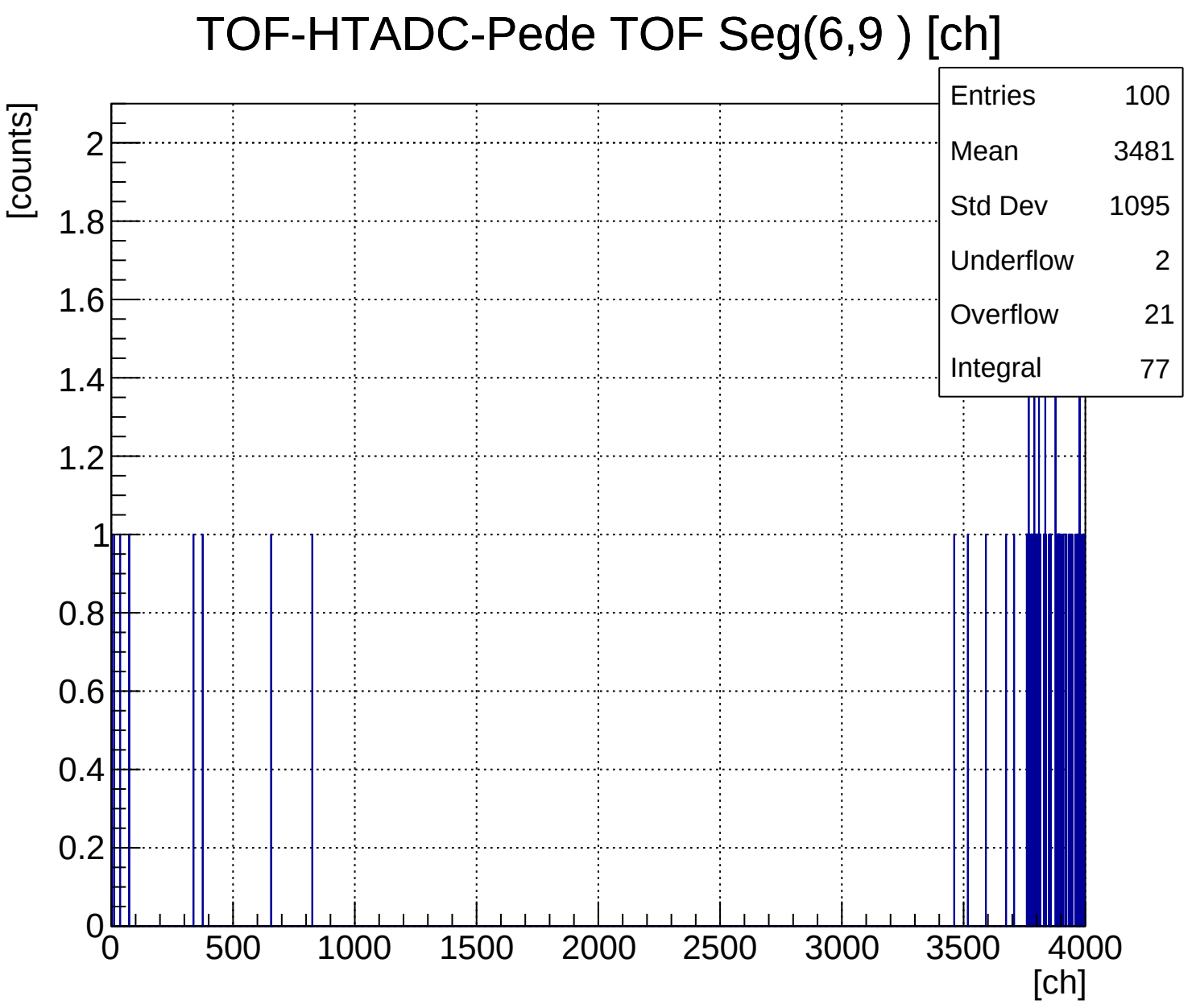
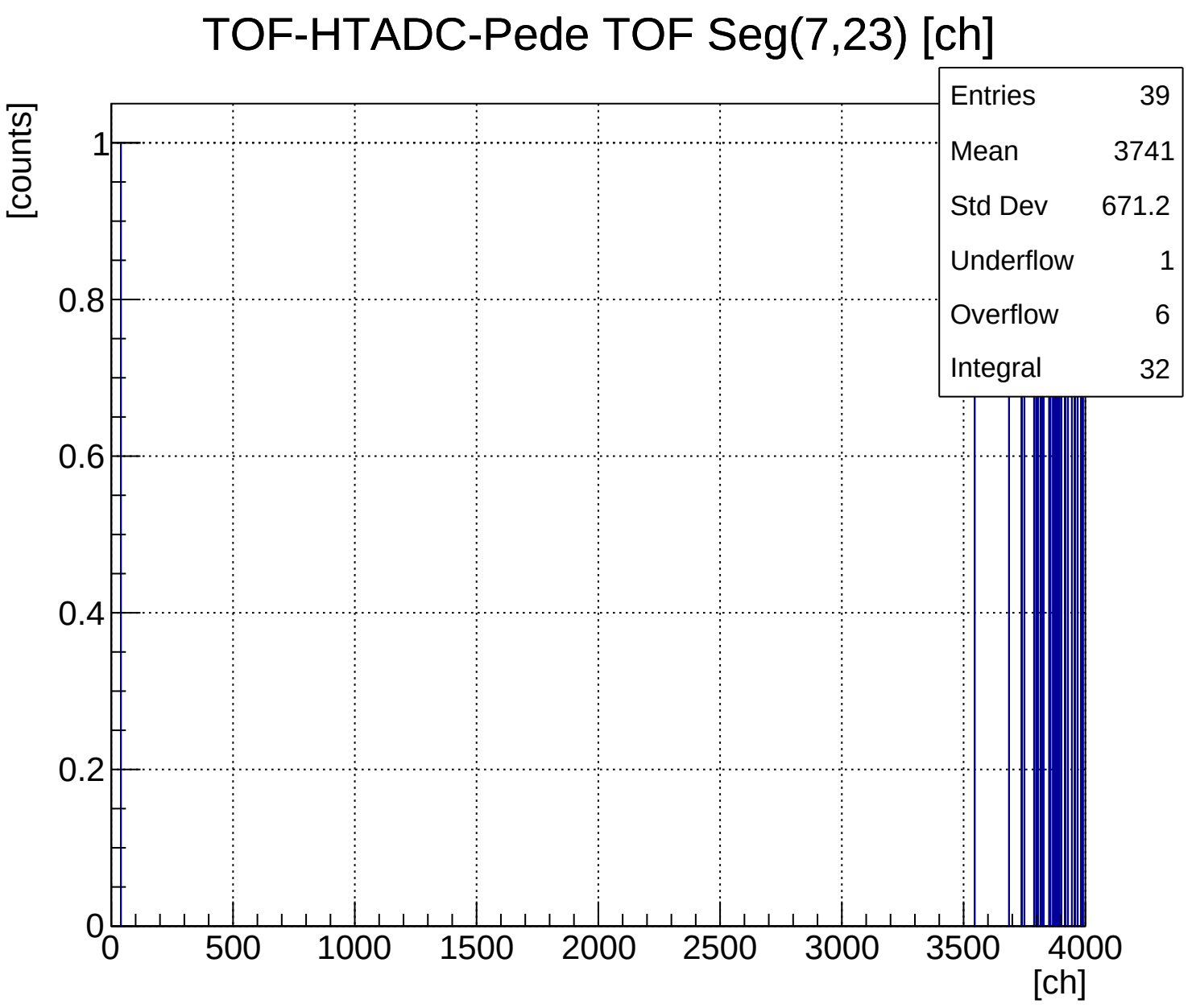
1.5
1
0.5
0
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(6,9) [ch]
Entries 100
Mean 3481
Std Dev 1095
Underflow 2
Overflow 21
Integral 77
[counts]
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(7,23) [ch]
Entries 39
Mean 3741
Std Dev 671.2
Underflow 1
Overflow 6
Integral 32
[counts]
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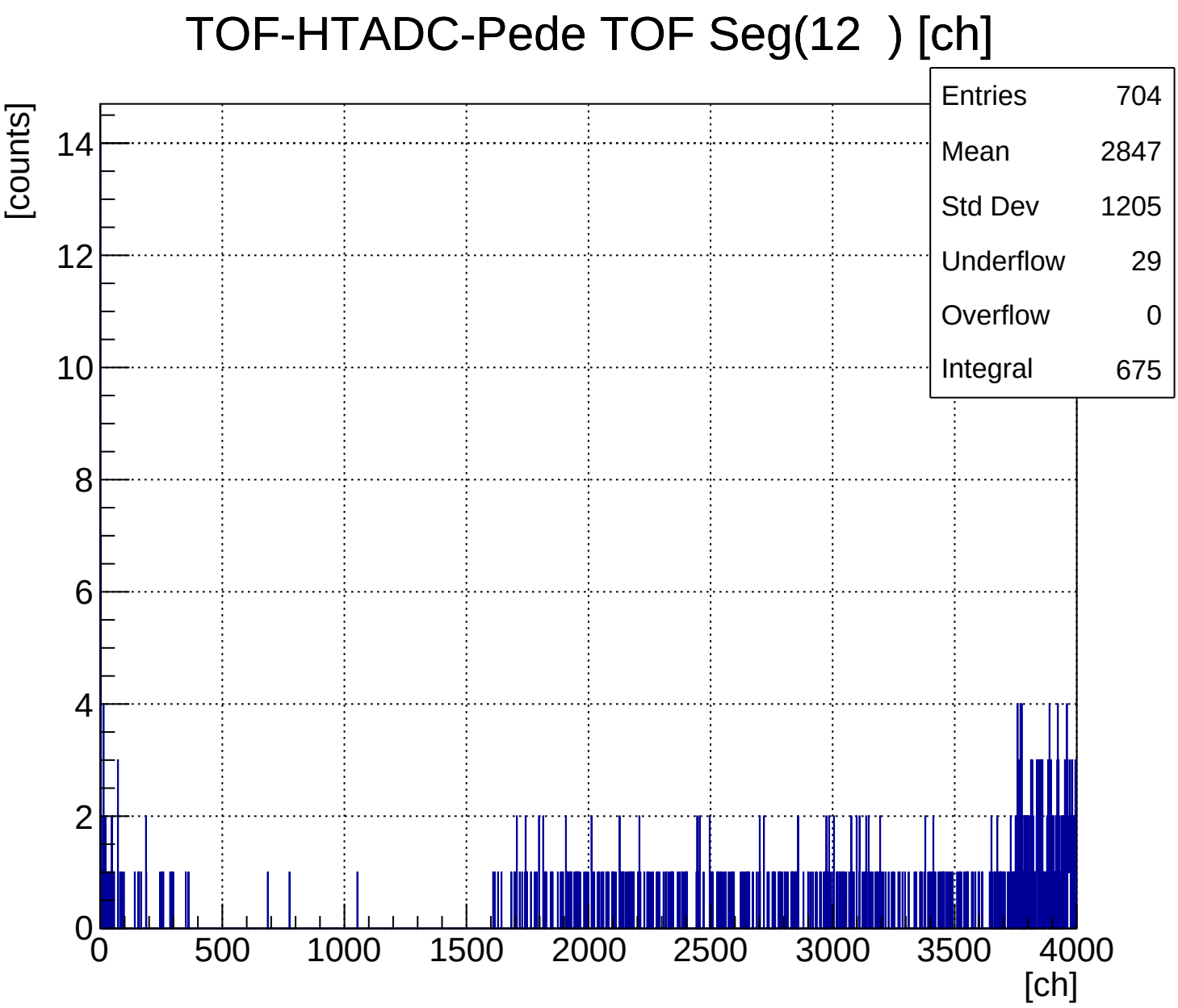
0.8
0.6
0.4
0.2
0
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(12) [ch]
Entries 704
Mean 2847
Std Dev 1205
Underflow 29
Overflow 0
Integral 675
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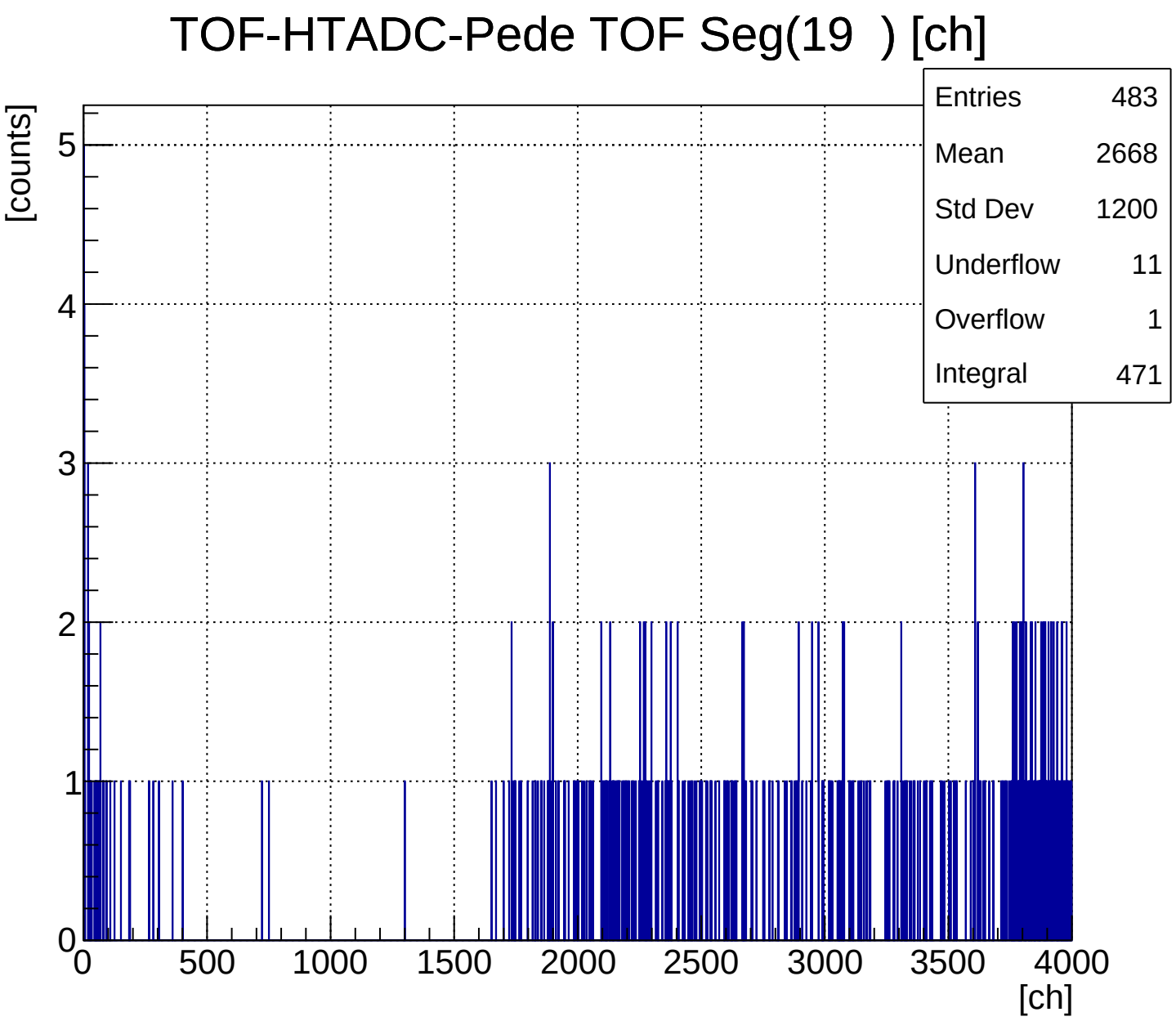
2
4
6
8
10
12
14
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(19) [ch]
Entries 483
Mean 2668
Std Dev 1200
Underflow 11
Overflow 1
Integral 471
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2
3
4
5
0
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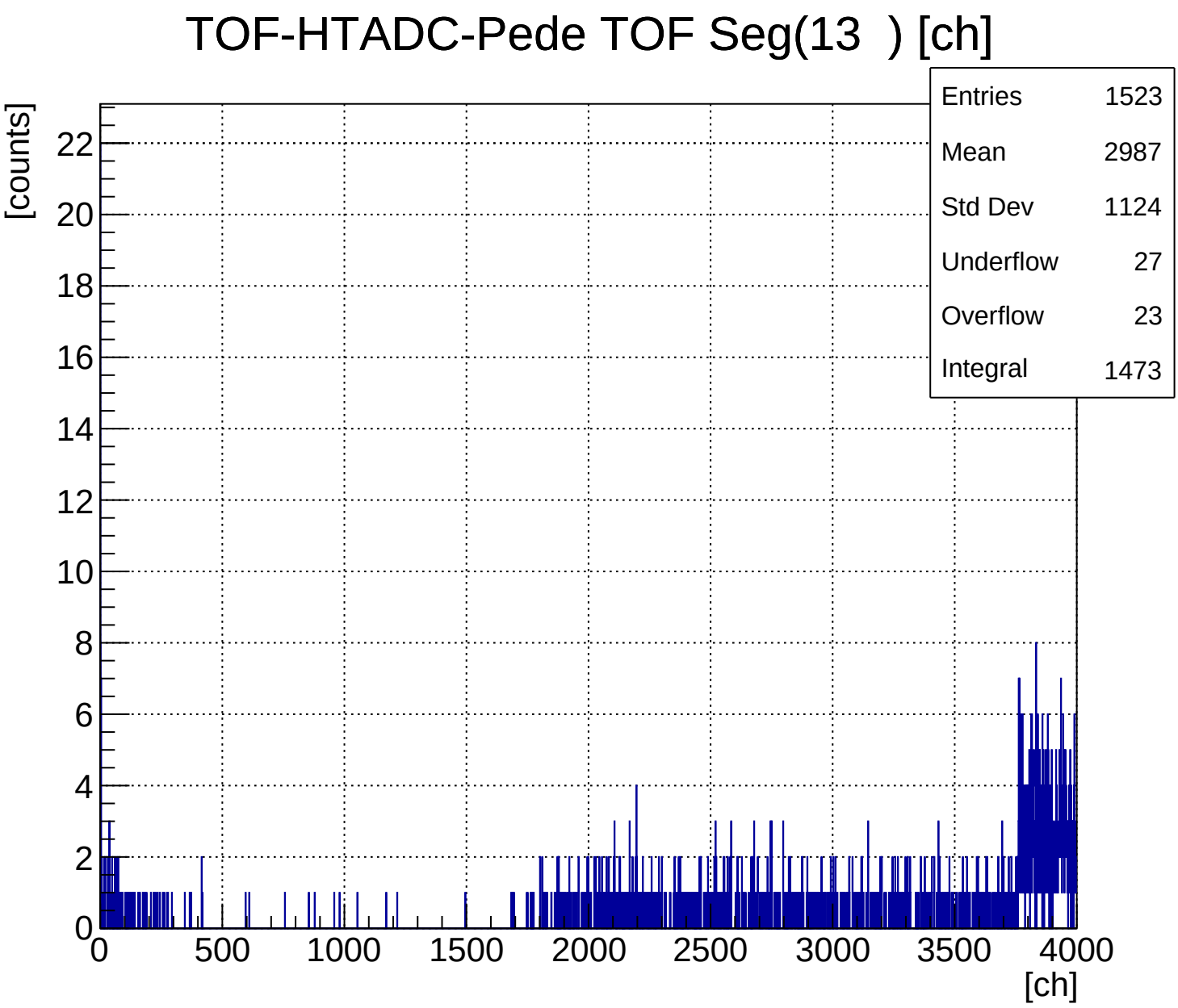
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(13) [ch]
Entries 1523
Mean 2987
Std Dev 1124
Underflow 27
Overflow 23
Integral 1473
[counts]
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2
4
6
8
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12
14
16
18
20
22
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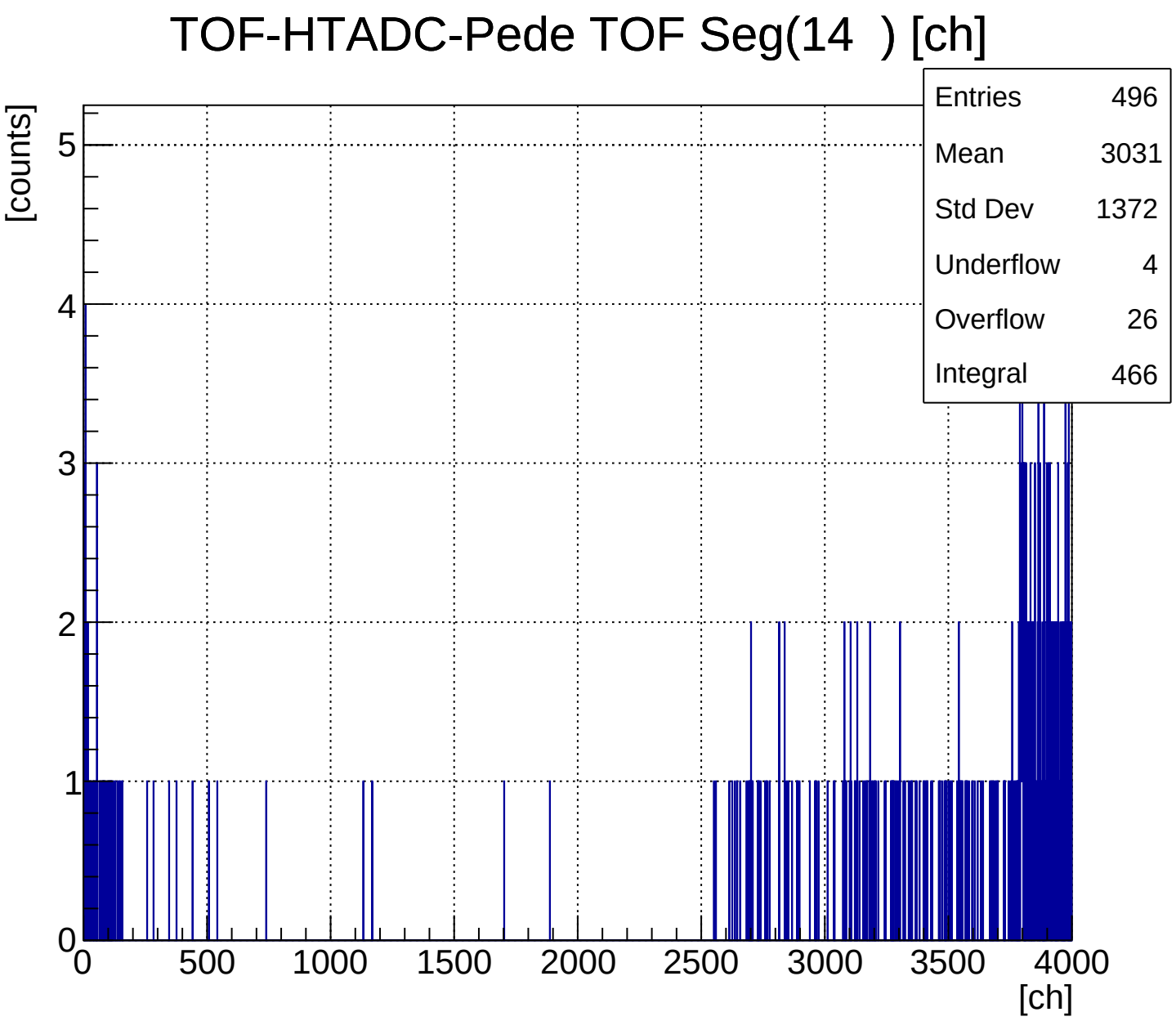
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(14) [ch]
Entries 496
Mean 3031
Std Dev 1372
Underflow 4
Overflow 26
Integral 466
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2
3
4
5
0
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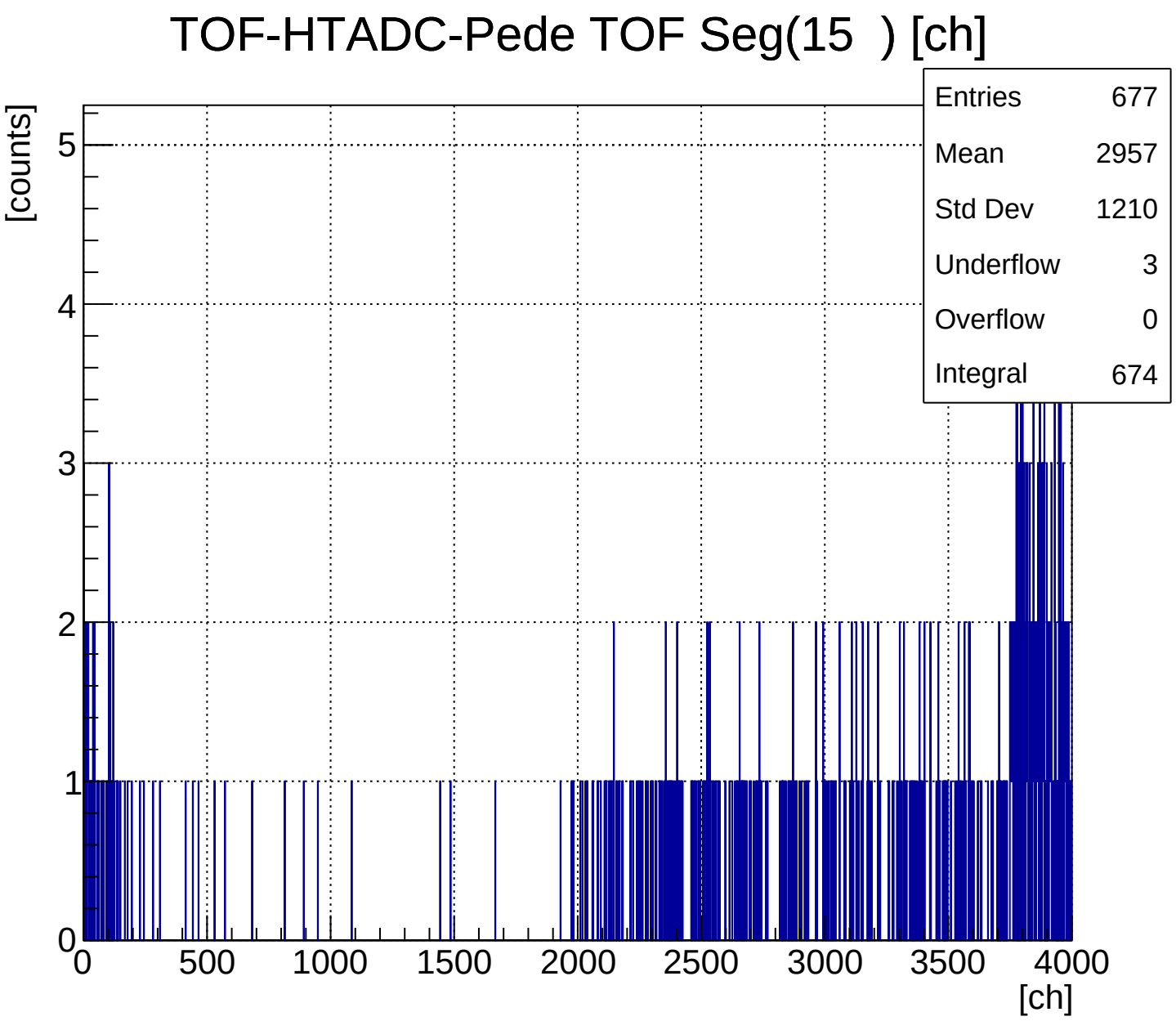
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(15) [ch]
Entries 677
Mean 2957
Std Dev 1210
Underflow 3
Overflow 0
Integral 674
[counts]
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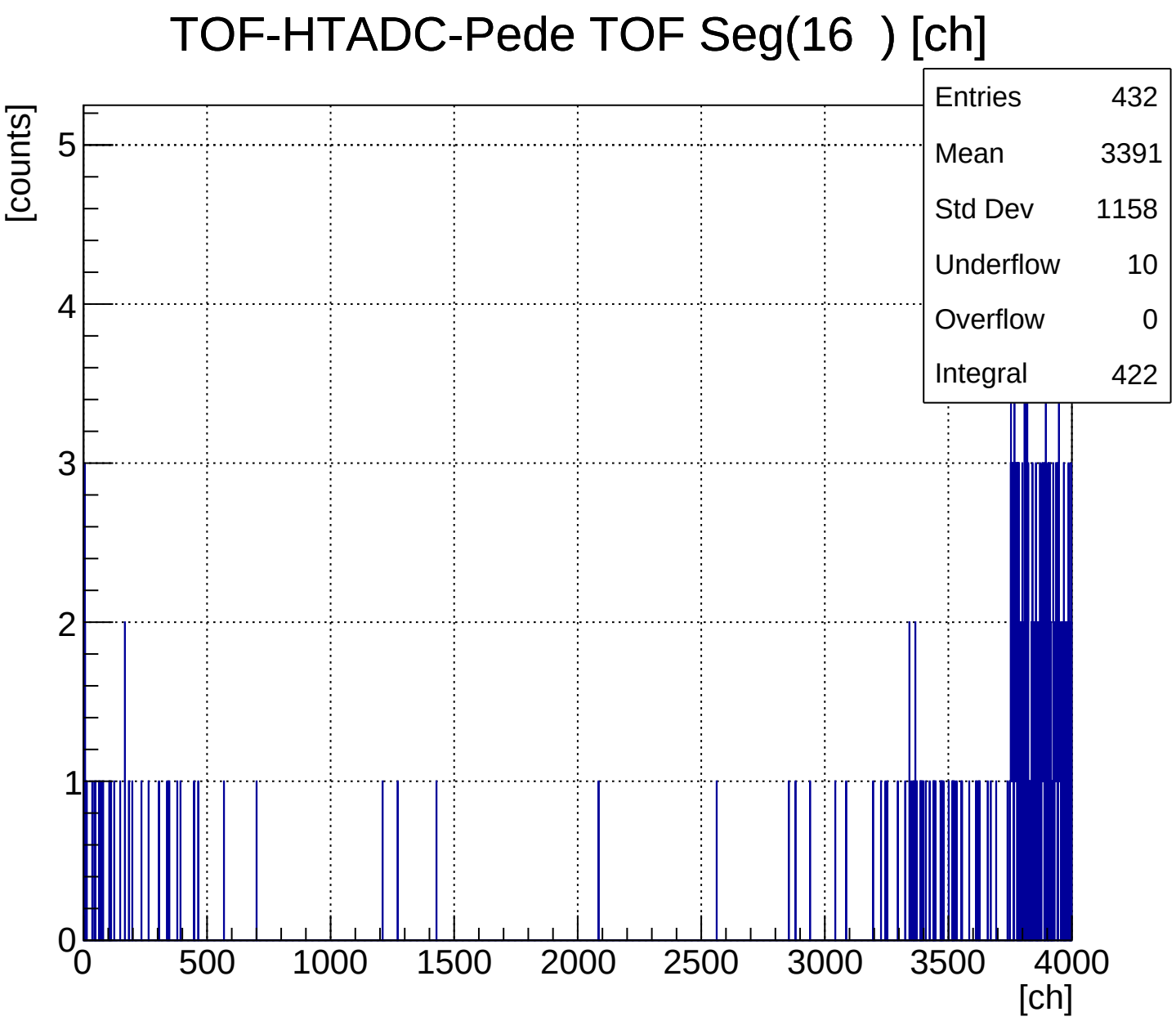
1
2
3
4
5
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]


TOF-HTADC-Pede TOF Seg(16) [ch]
Entries 432
Mean 3391
Std Dev 1158
Underflow 10
Overflow 0
Integral 422
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2
3
4
5
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1500
2000
2500
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3500
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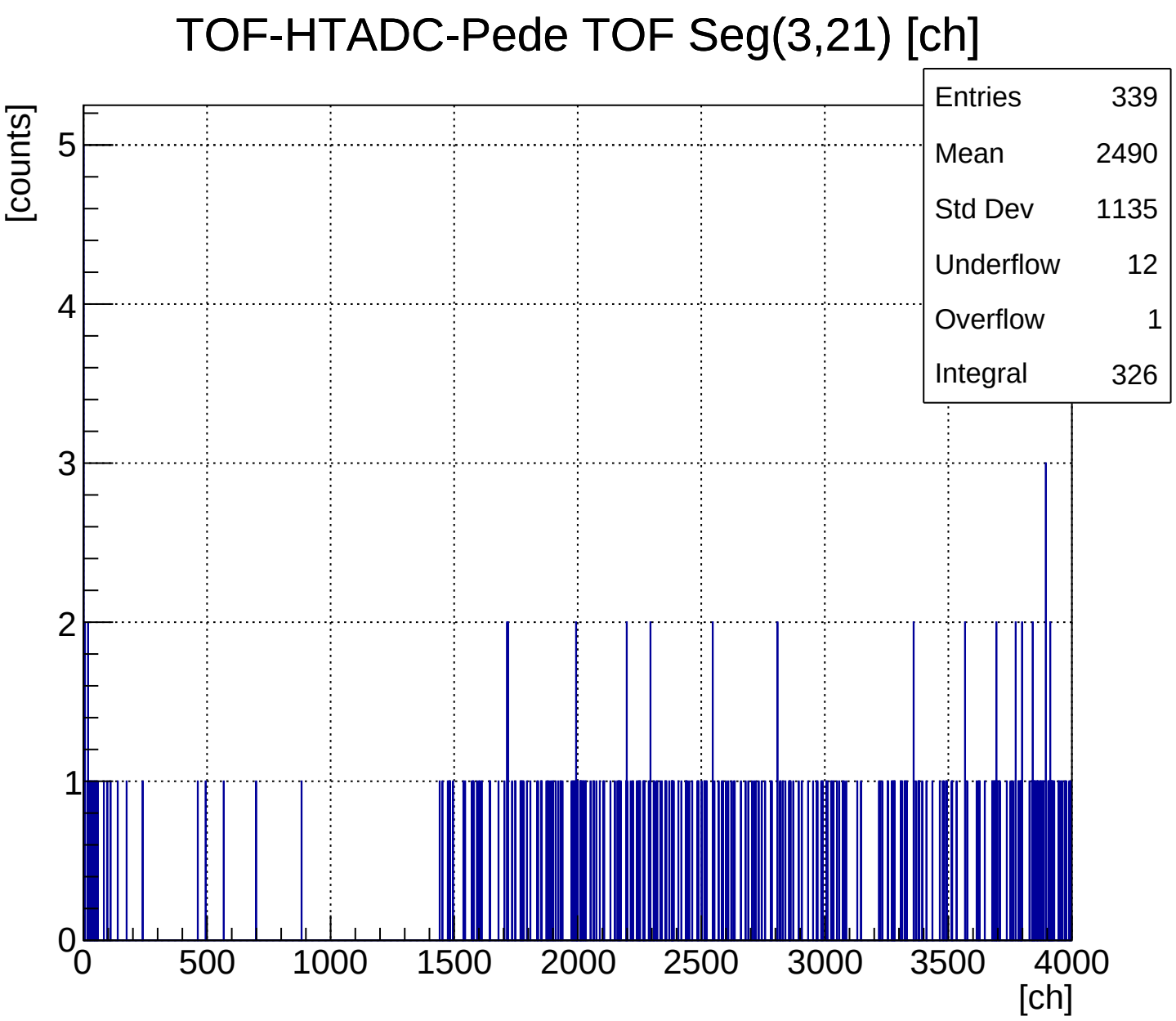
[ch]


TOF-HTADC-Pede TOF Seg(3,21) [ch]
Entries 339
Mean 2490
Std Dev 1135
Underflow 12
Overflow 1
Integral 326
[counts]
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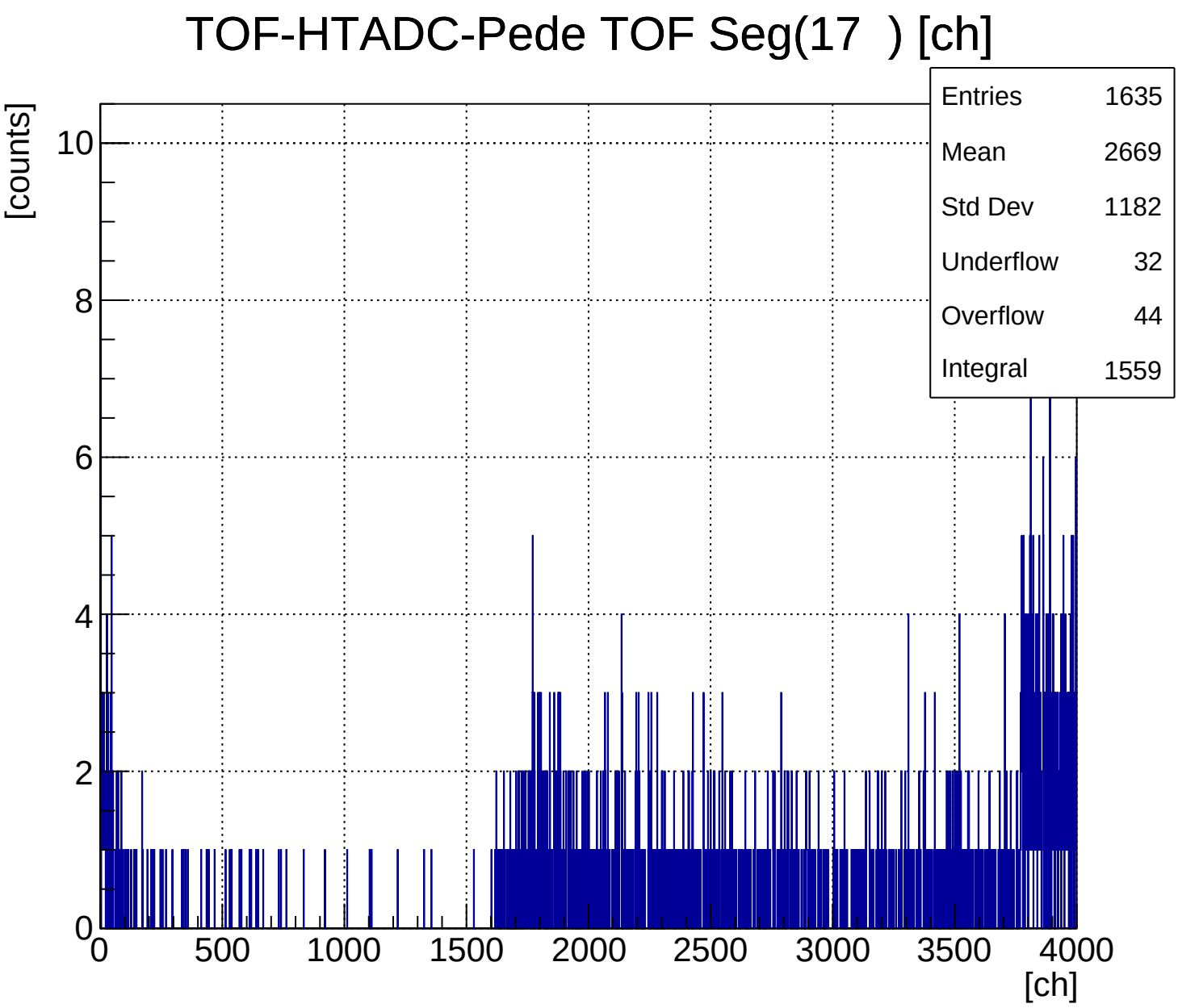
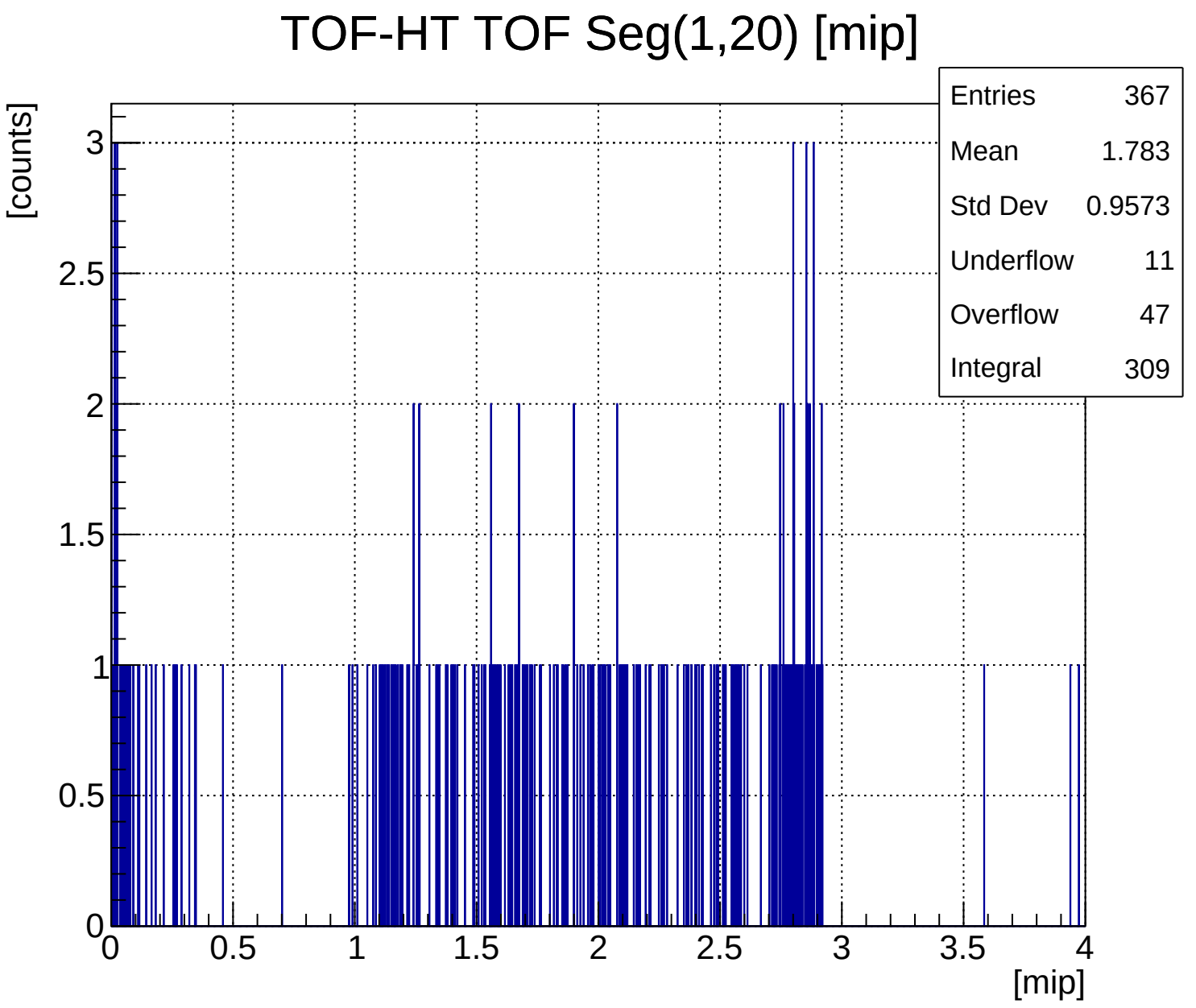
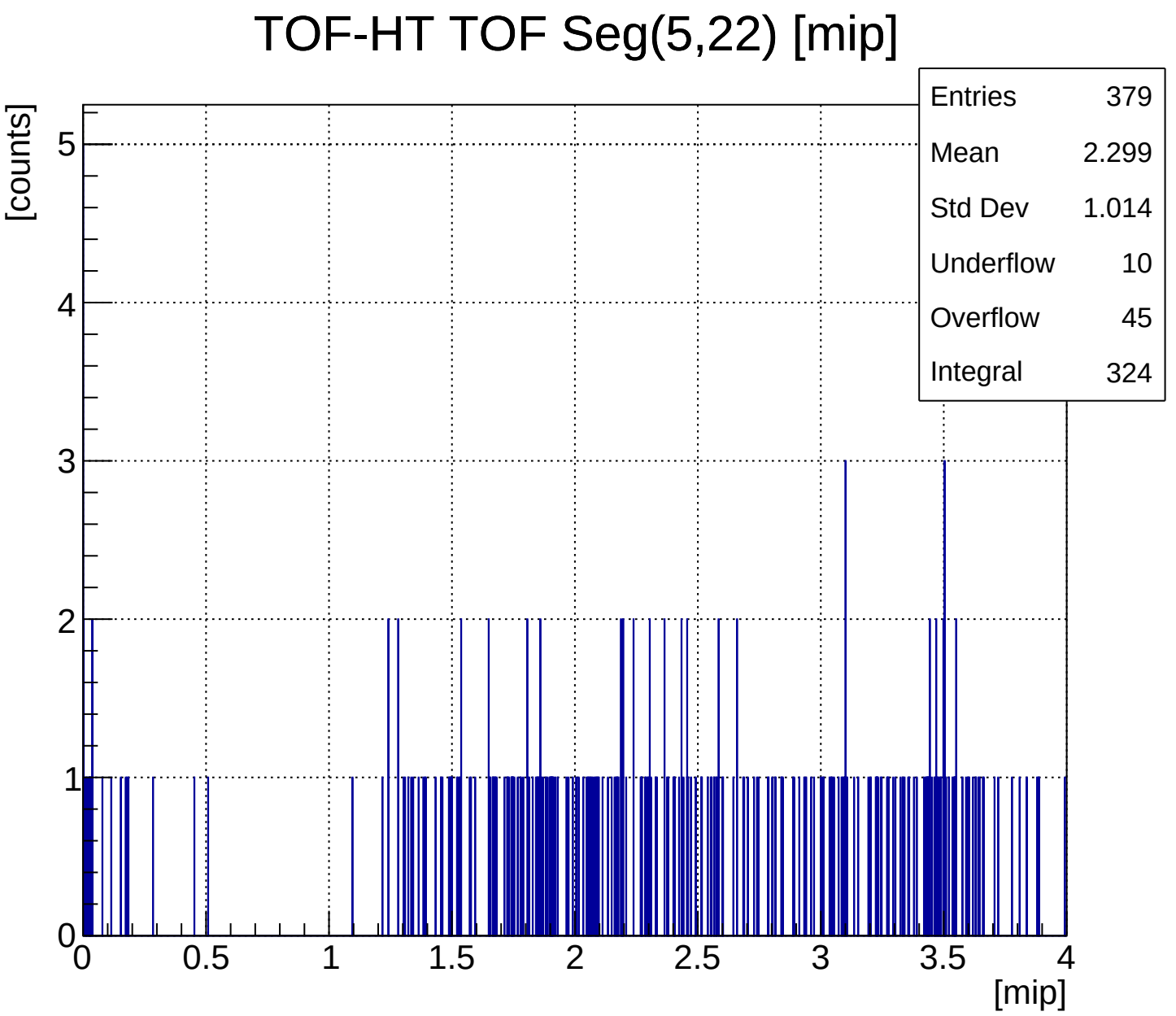
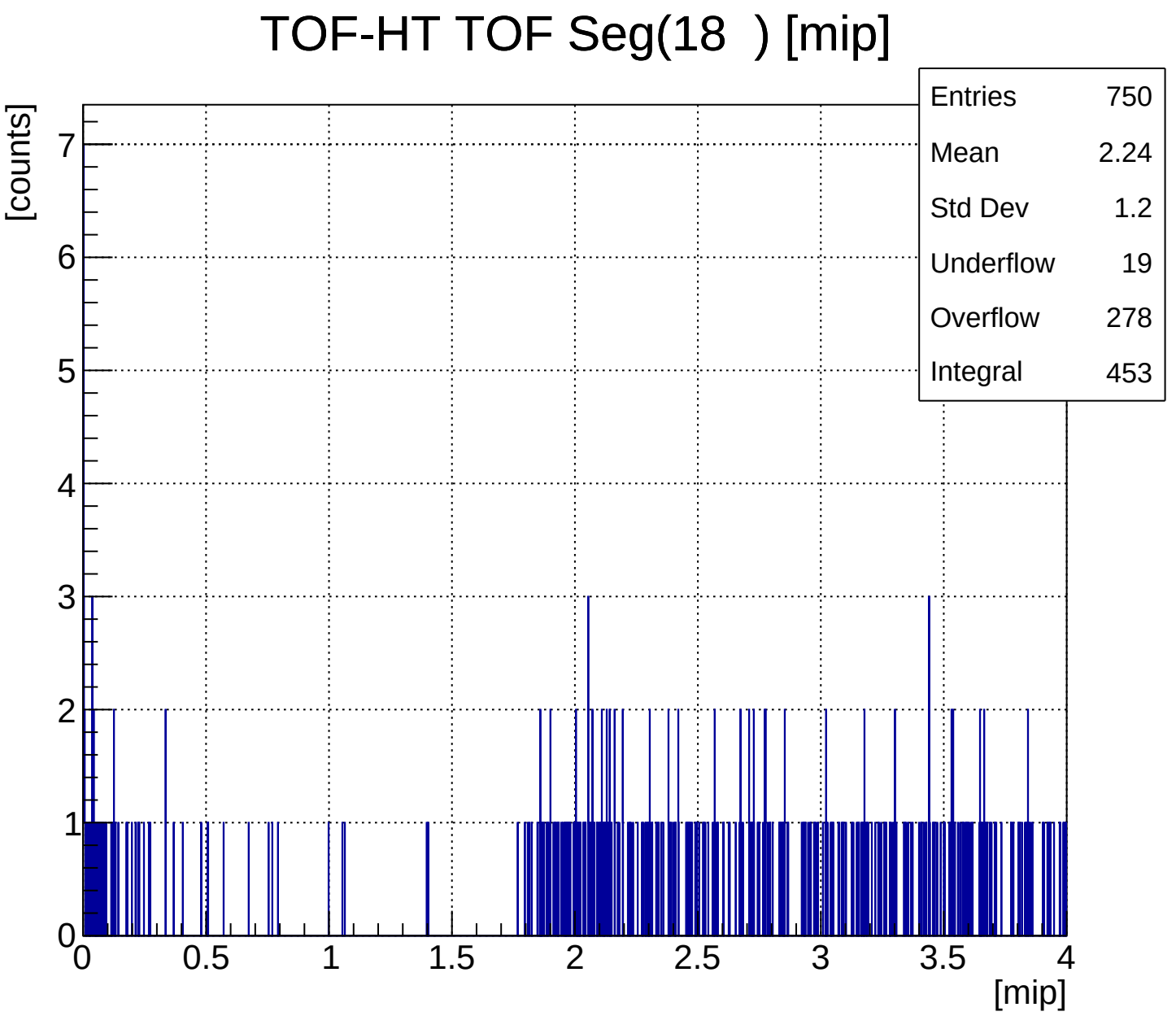
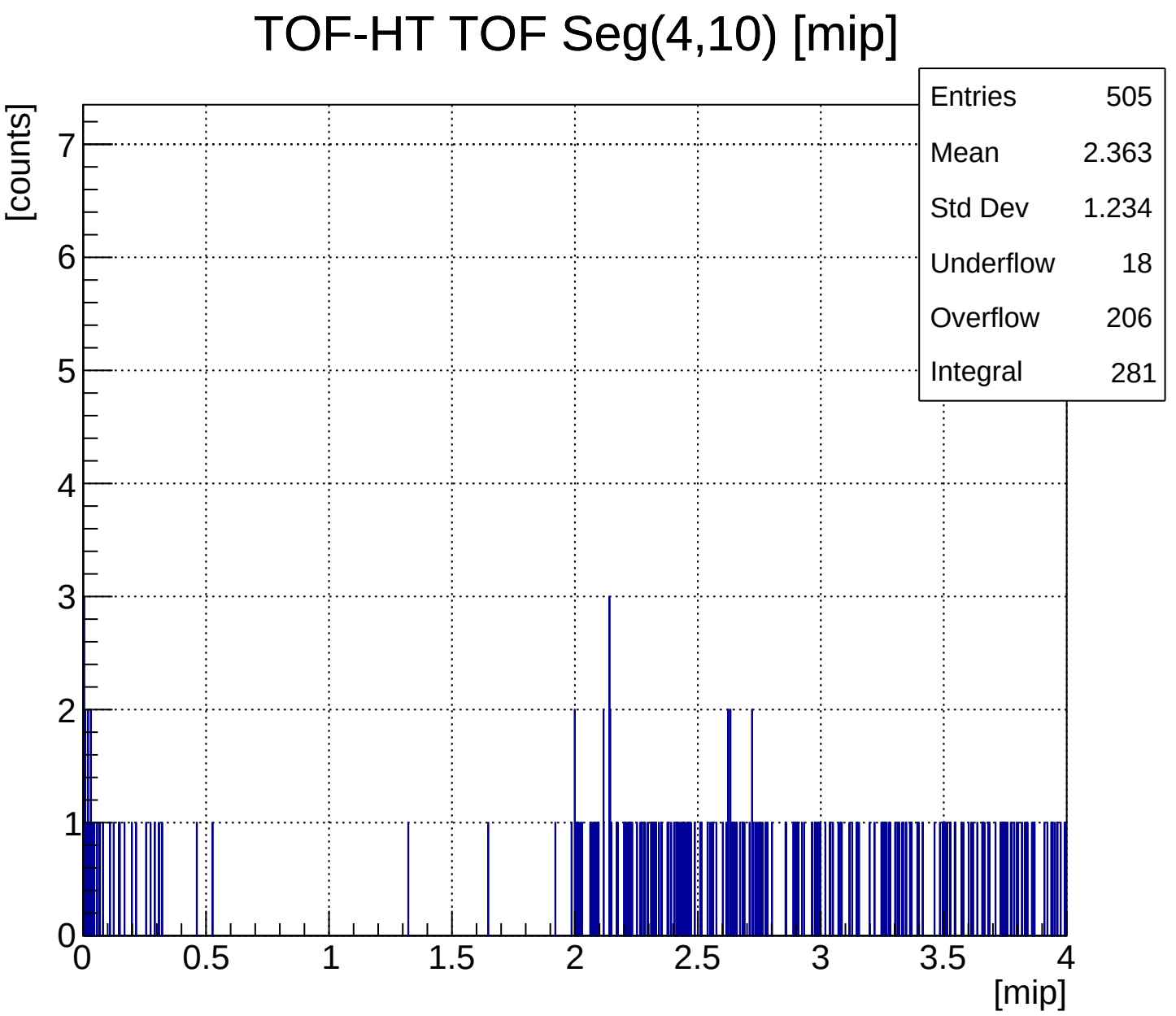
1
2
3
4
5
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]

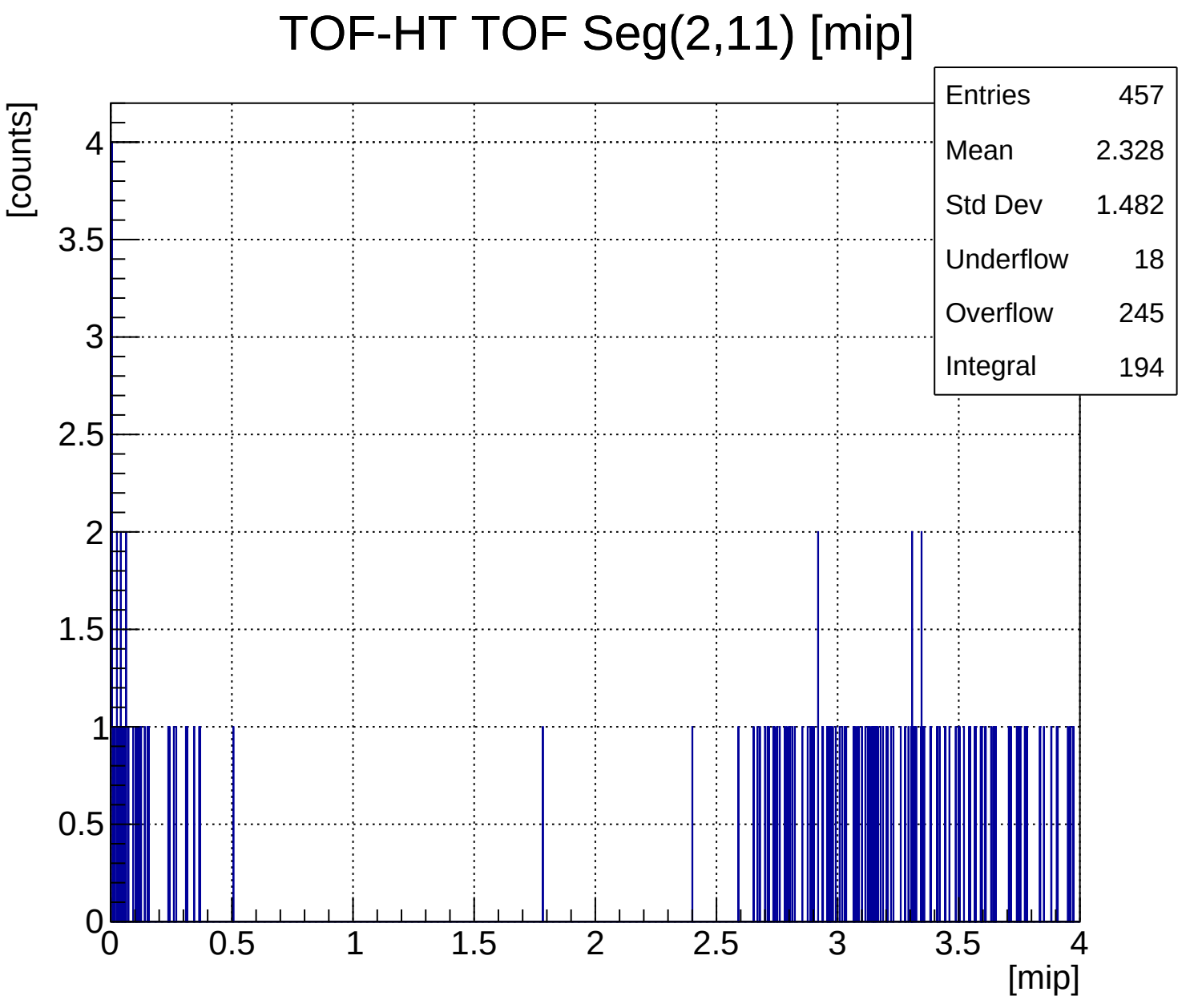

TOF-HTADC-Pede TOF Seg(17) [ch]
Entries 1635
Mean 2669
Std Dev 1182
Underflow 32
Overflow 44
Integral 1559
[counts]
0
2
4
6
8
10
0
500
1000
1500
2000
2500
3000
3500
4000
[ch]

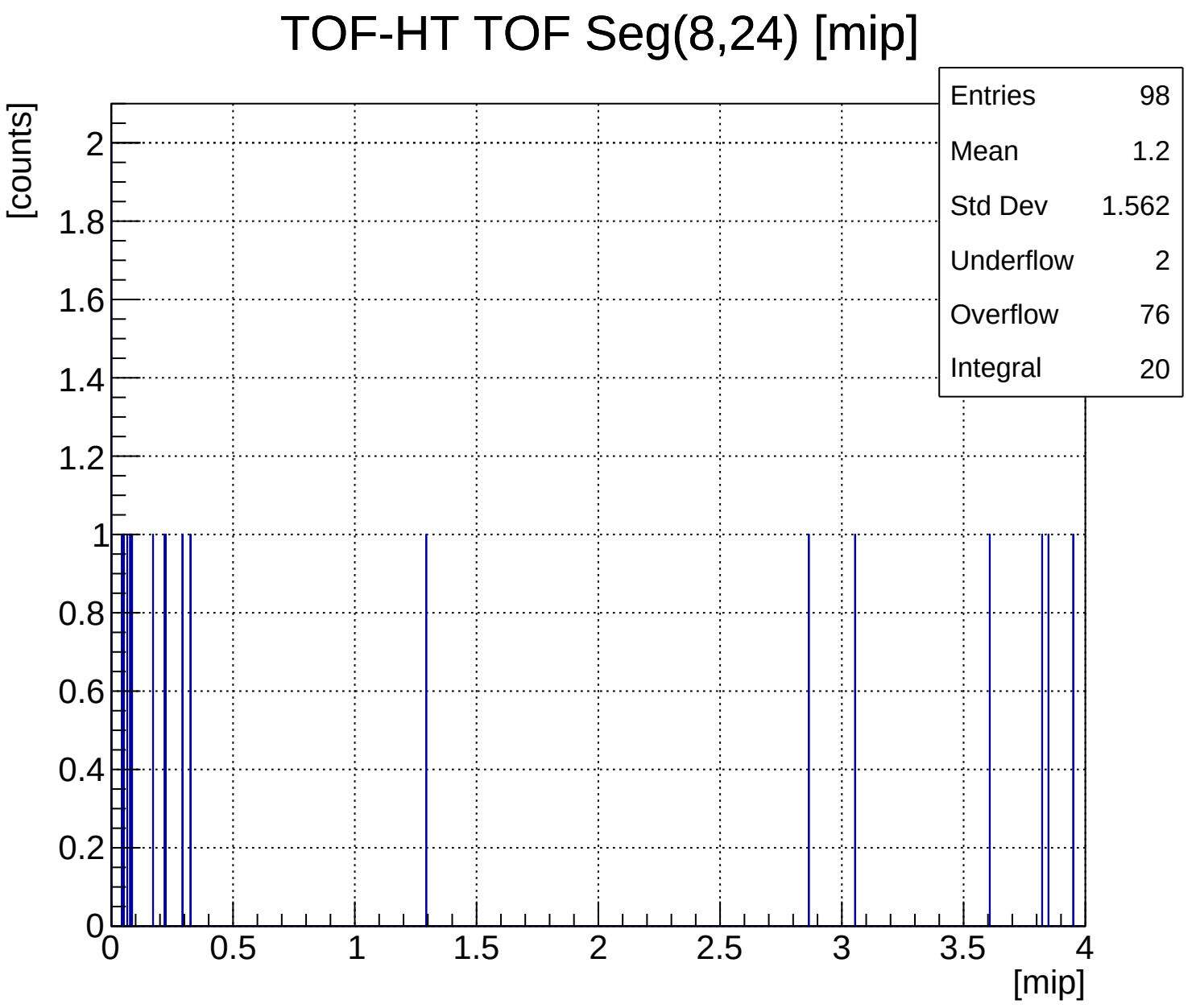

TOF-HT TOF Seg(1,20) [mip]
Entries 367
Mean 1.783
Std Dev 0.9573
Underflow 11
Overflow 47
Integral 309
[counts]
0
0.5
1
1.5
2
2.5
3
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

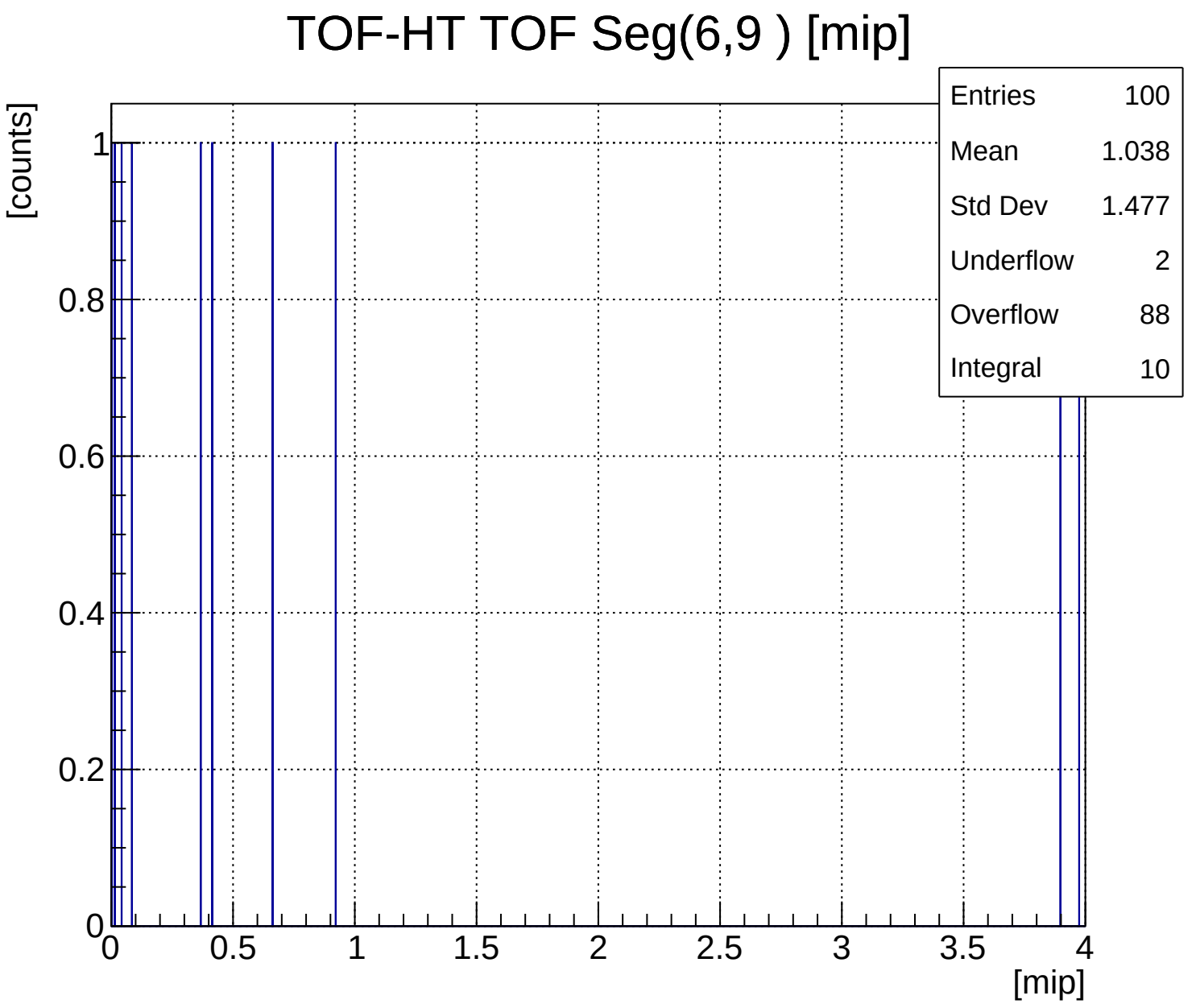

TOF-HT TOF Seg(5,22) [mip]
Entries 379
Mean 2.299
Std Dev 1.014
Underflow 10
Overflow 45
Integral 324
[counts]
0
1
2
3
4
5
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

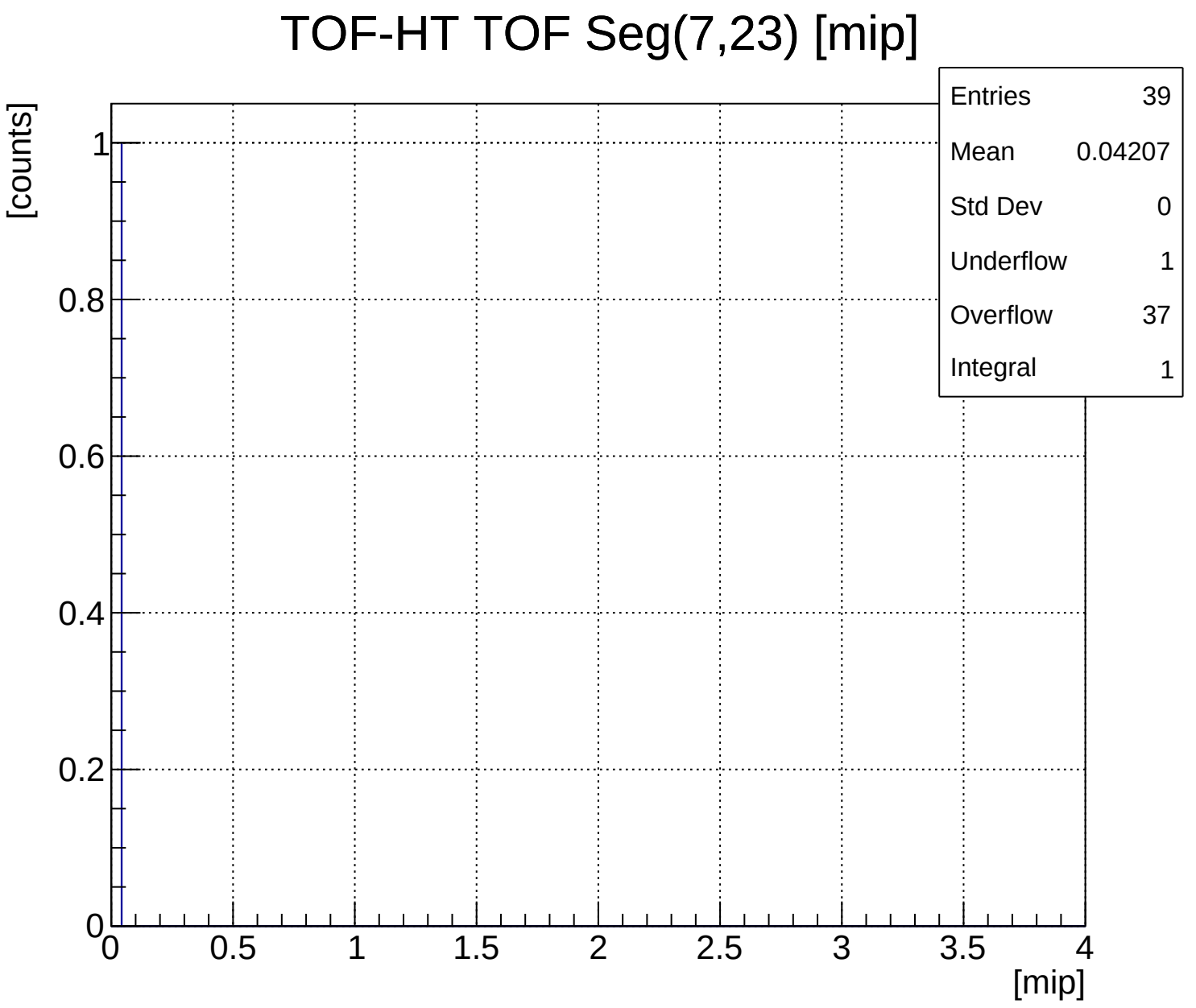

TOF-HT TOF Seg(18) [mip]
Entries 750
Mean 2.24
Std Dev 1.2
Underflow 19
Overflow 278
Integral 453
[counts]
0
1
2
3
4
5
6
7
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

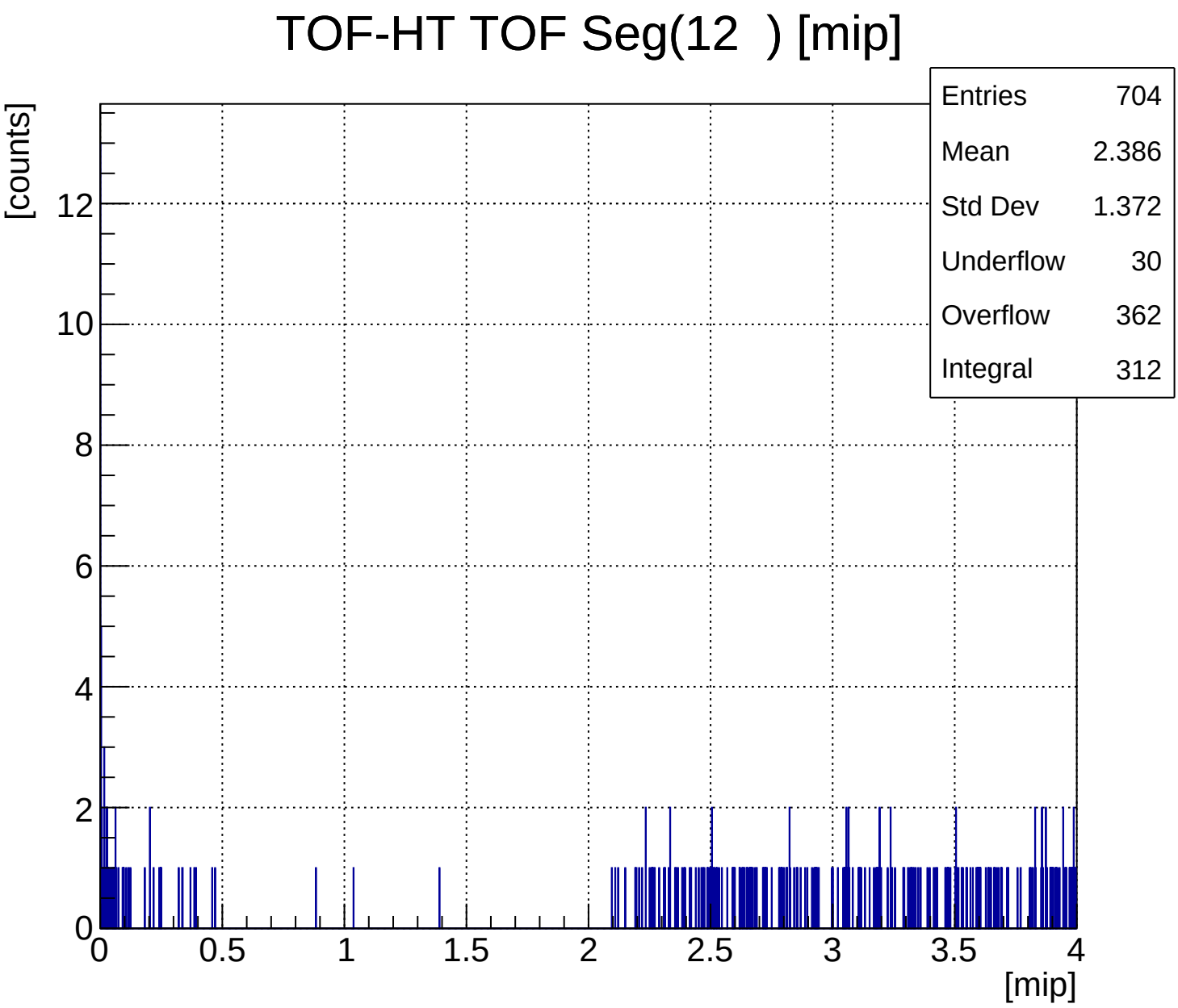

TOF-HT TOF Seg(4,10) [mip]
Entries 505
Mean 2.363
Std Dev 1.234
Underflow 18
Overflow 206
Integral 281
[counts]
0
1
2
3
4
5
6
7
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

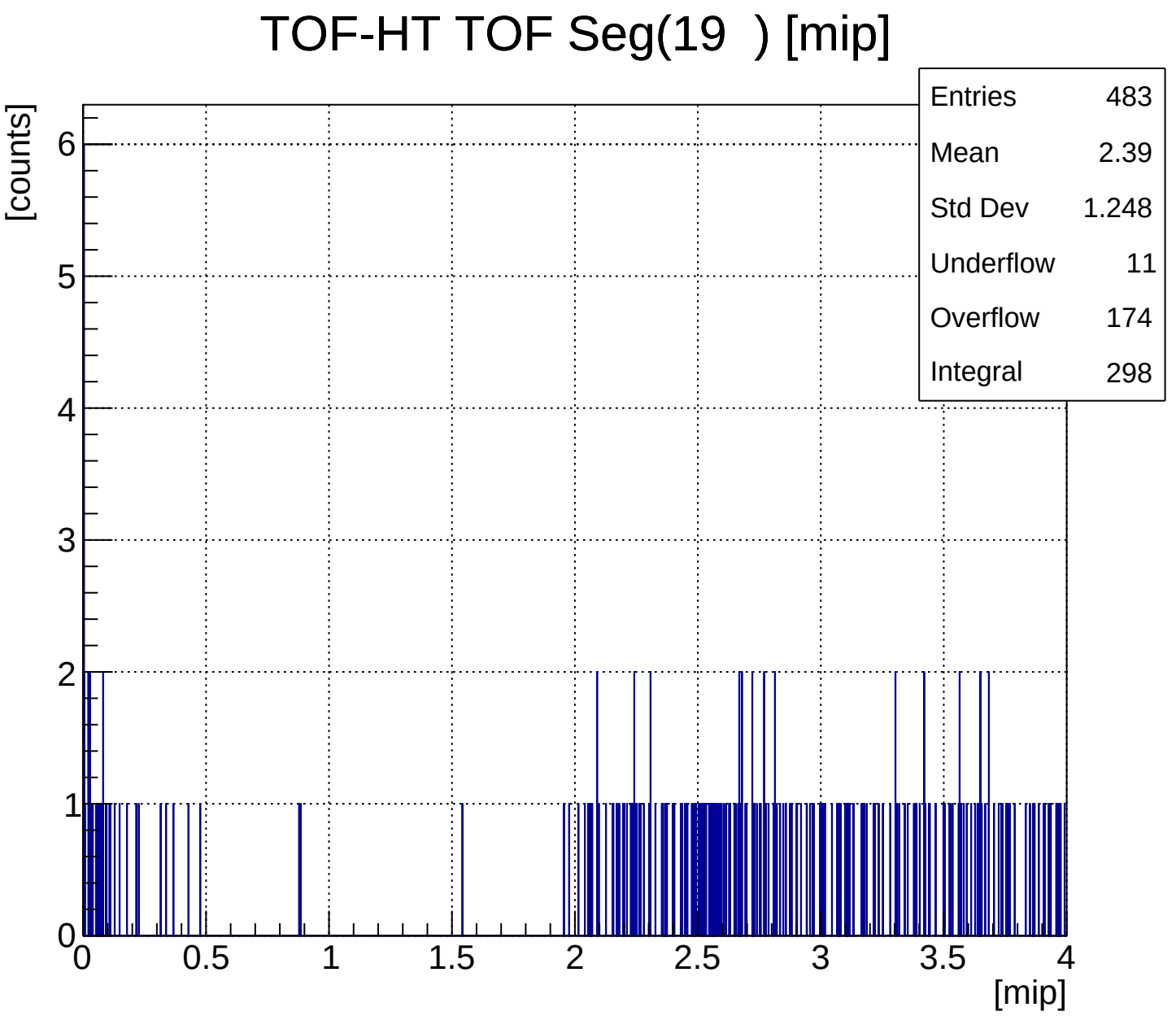

TOF-HT TOF Seg(2,11) [mip]
Entries 457
Mean 2.328
Std Dev 1.482
Underflow 18
Overflow 245
Integral 194
[counts]
0
0.5
1
1.5
2
2.5
3
3.5
4
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

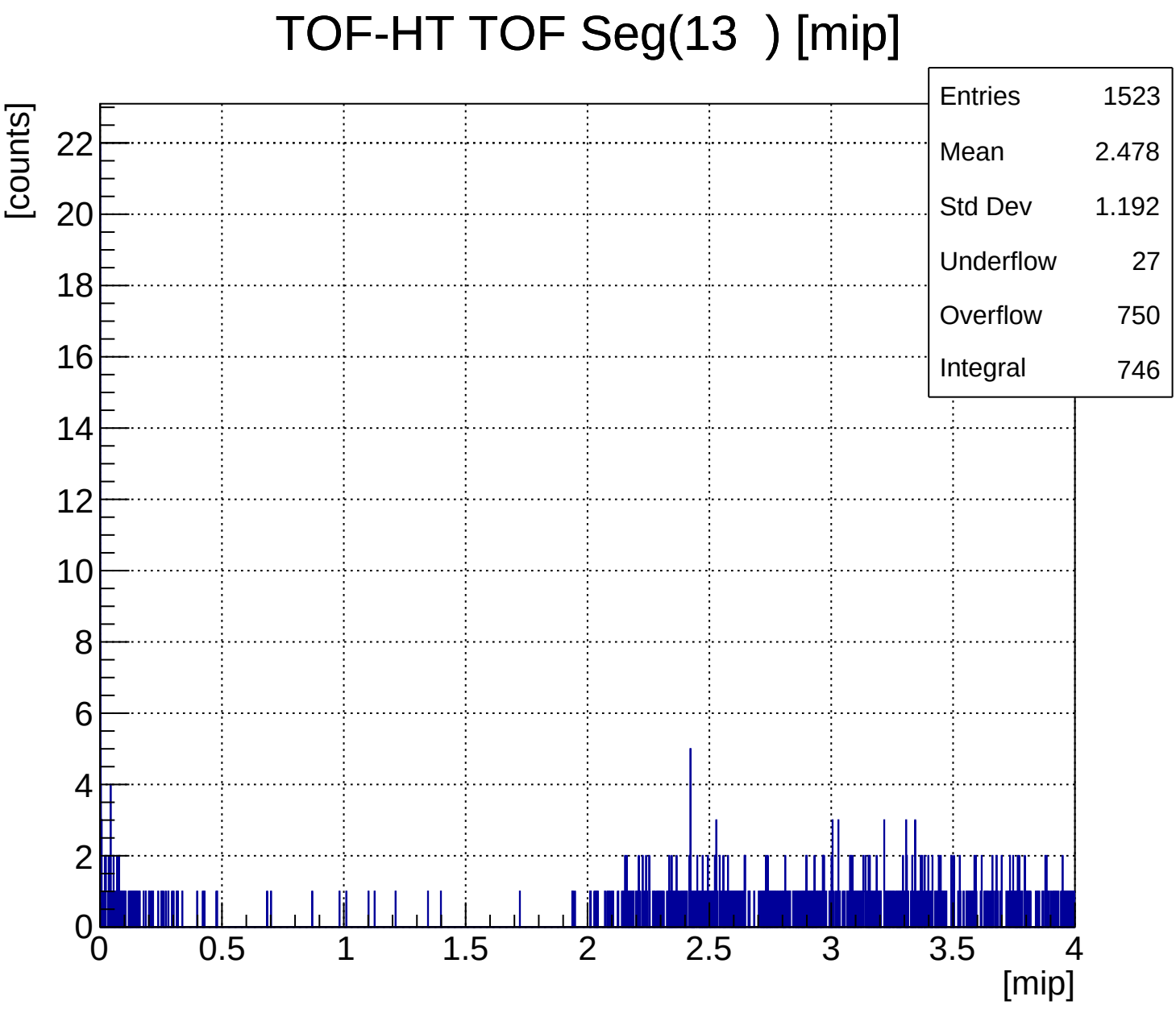

TOF-HT TOF Seg(8,24) [mip]
Entries 98
Mean 1.2
Std Dev 1.562
Underflow 2
Overflow 76
Integral 20
[counts]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

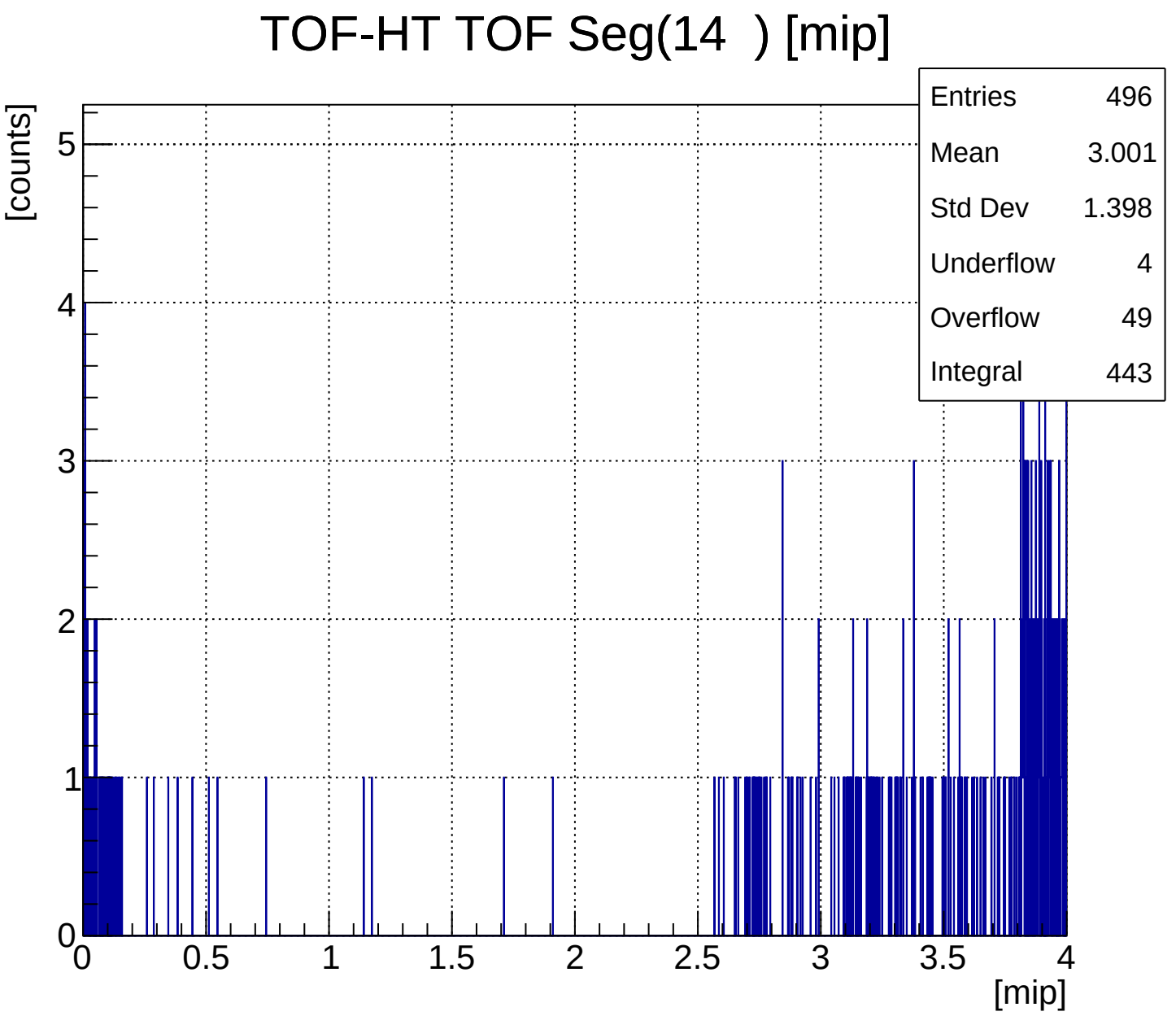

TOF-HT TOF Seg(6,9) [mip]
Entries 100
Mean 1.038
Std Dev 1.477
Underflow 2
Overflow 88
Integral 10
[counts]
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

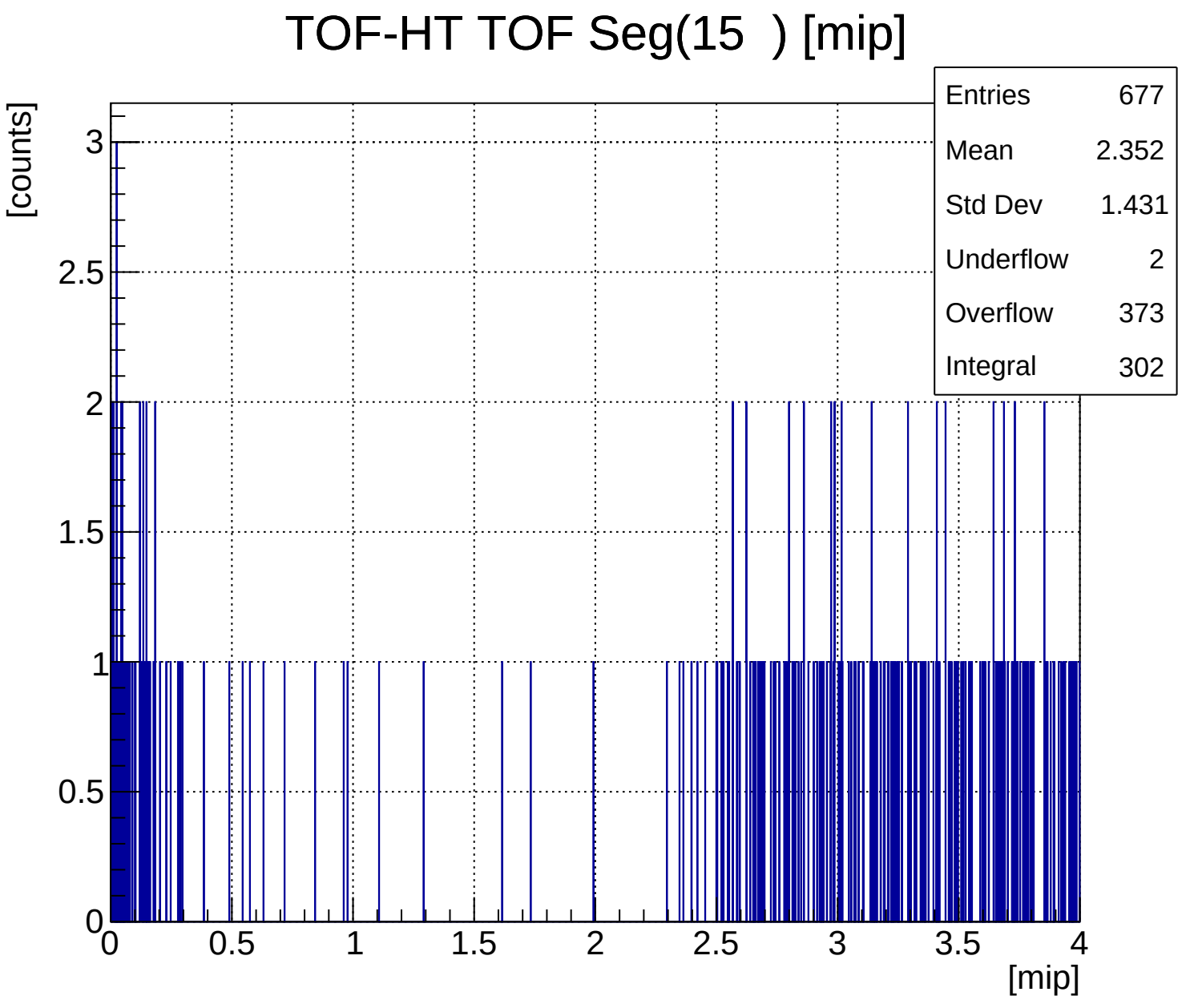

TOF-HT TOF Seg(7,23) [mip]
Entries 39
Mean 0.04207
Std Dev 0
Underflow 1
Overflow 37
Integral 1
[counts]
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

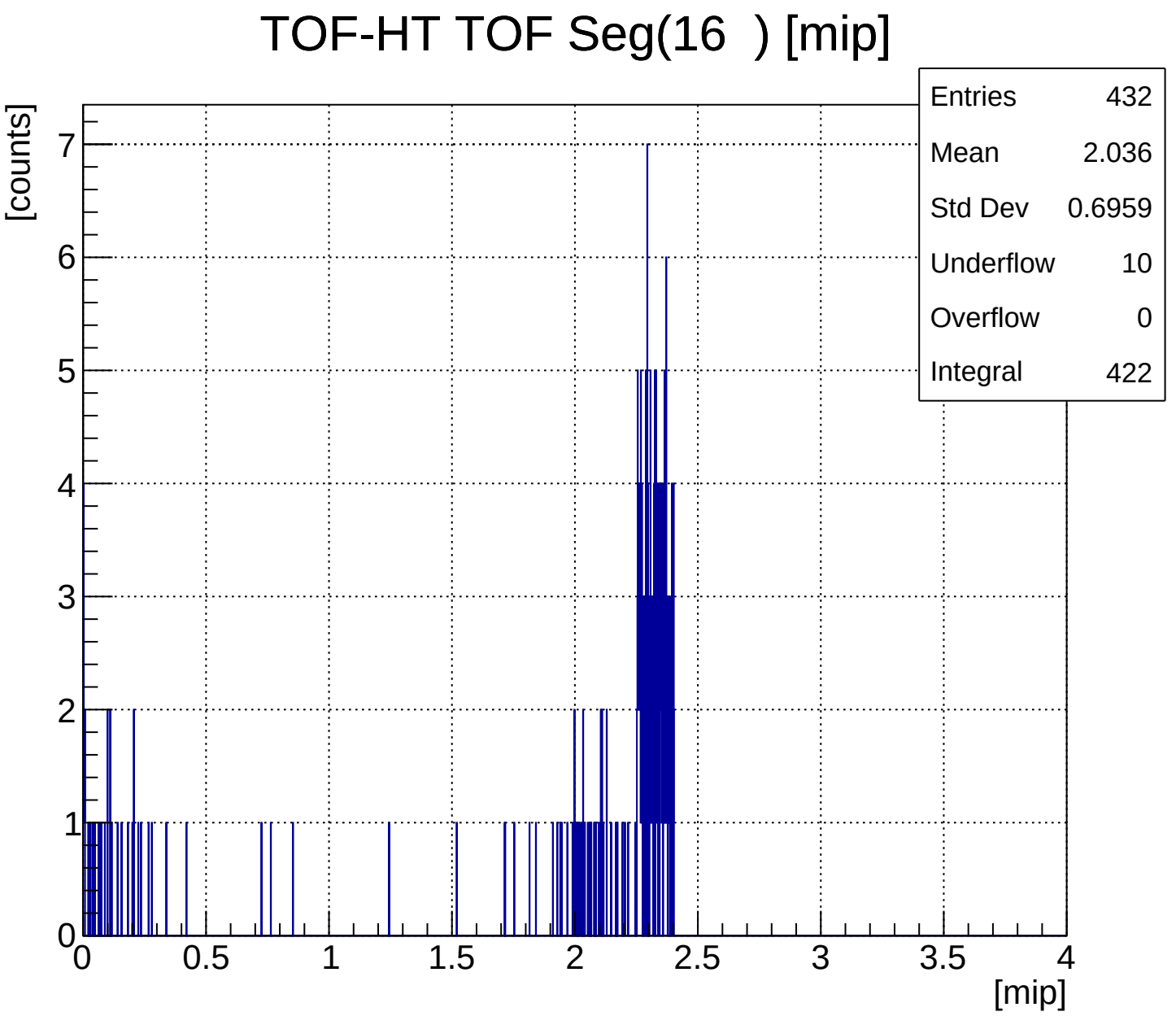

TOF-HT TOF Seg(12) [mip]
Entries 704
Mean 2.386
Std Dev 1.372
Underflow 30
Overflow 362
Integral 312
[counts]
0
2
4
6
8
10
12
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

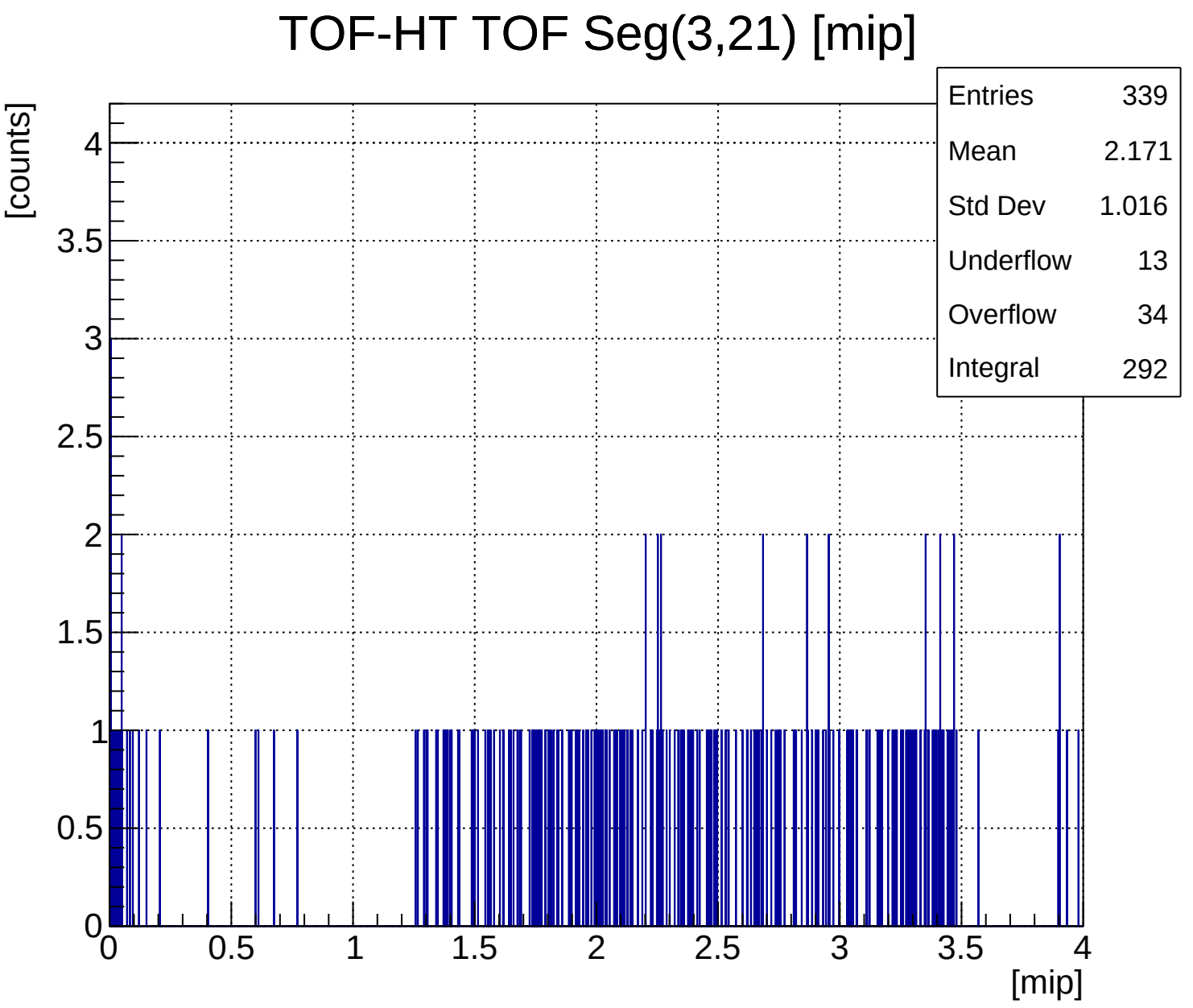

TOF-HT TOF Seg(19) [mip]
Entries 483
Mean 2.39
Std Dev 1.248
Underflow 11
Overflow 174
Integral 298
[counts]
0
1
2
3
4
5
6
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]

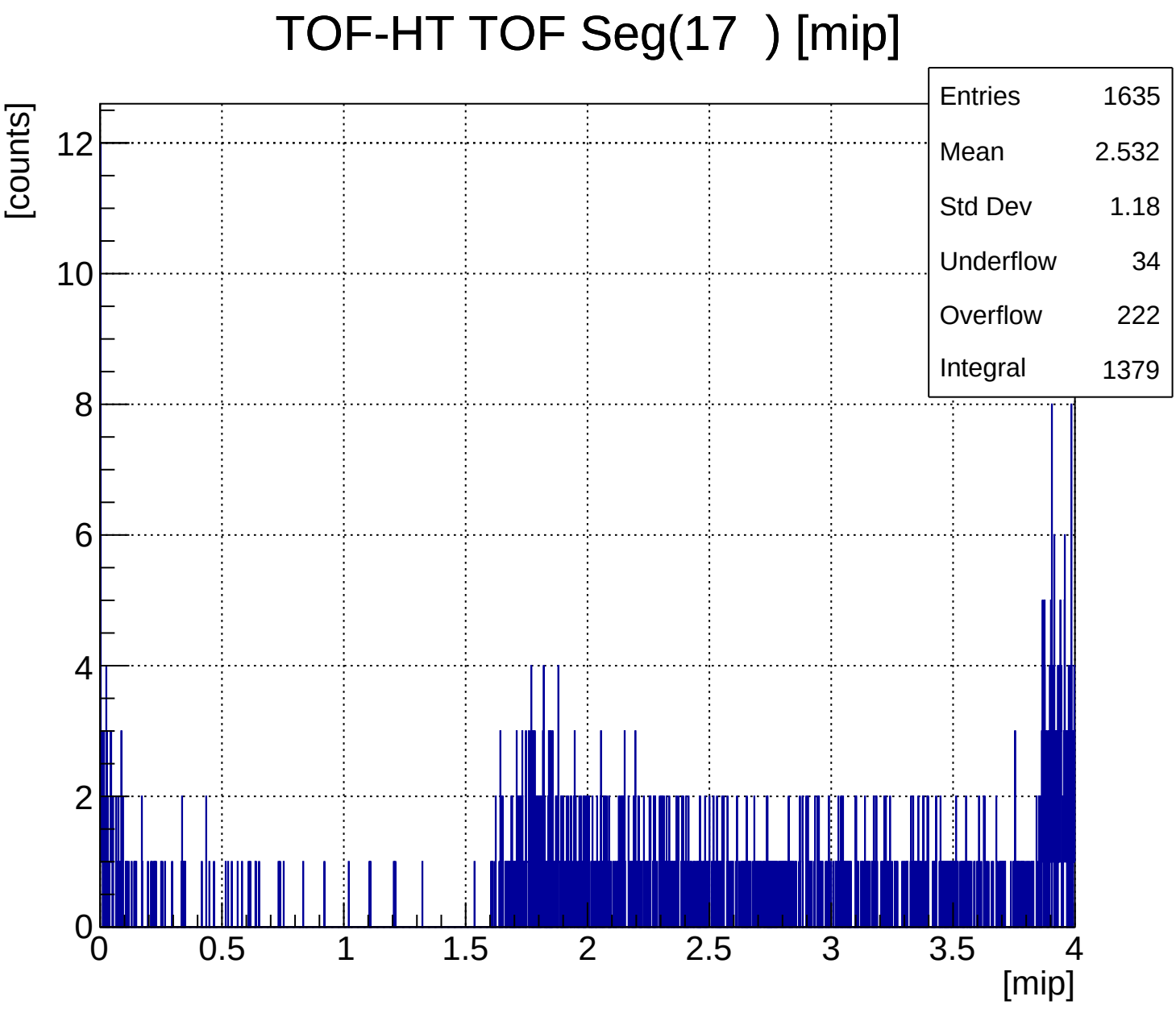

TOF-HT TOF Seg(13) [mip]
Entries 1523
Mean 2.478
Std Dev 1.192
Underflow 27
Overflow 750
Integral 746
[counts]
0
2
4
6
8
10
12
14
16
18
20
22
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]


TOF-HT TOF Seg(14) [mip]
Entries 496
Mean 3.001
Std Dev 1.398
Underflow 4
Overflow 49
Integral 443
[counts]
0
1
2
3
4
5
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]


TOF-HT TOF Seg(15) [mip]
Entries 677
Mean 2.352
Std Dev 1.431
Underflow 2
Overflow 373
Integral 302
[counts]
0
0.5
1
1.5
2
2.5
3
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]


TOF-HT TOF Seg(16) [mip]
Entries 432
Mean 2.036
Std Dev 0.6959
Underflow 10
Overflow 0
Integral 422
[counts]
0
1
2
3
4
5
6
7
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]


TOF-HT TOF Seg(3,21) [mip]
Entries 339
Mean 2.171
Std Dev 1.016
Underflow 13
Overflow 34
Integral 292
[counts]
0
0.5
1
1.5
2
2.5
3
3.5
4
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]


TOF-HT TOF Seg(17) [mip]
Entries 1635
Mean 2.532
Std Dev 1.18
Underflow 34
Overflow 222
Integral 1379
[counts]
0
2
4
6
8
10
12
0
0.5
1
1.5
2
2.5
3
3.5
4
[mip]