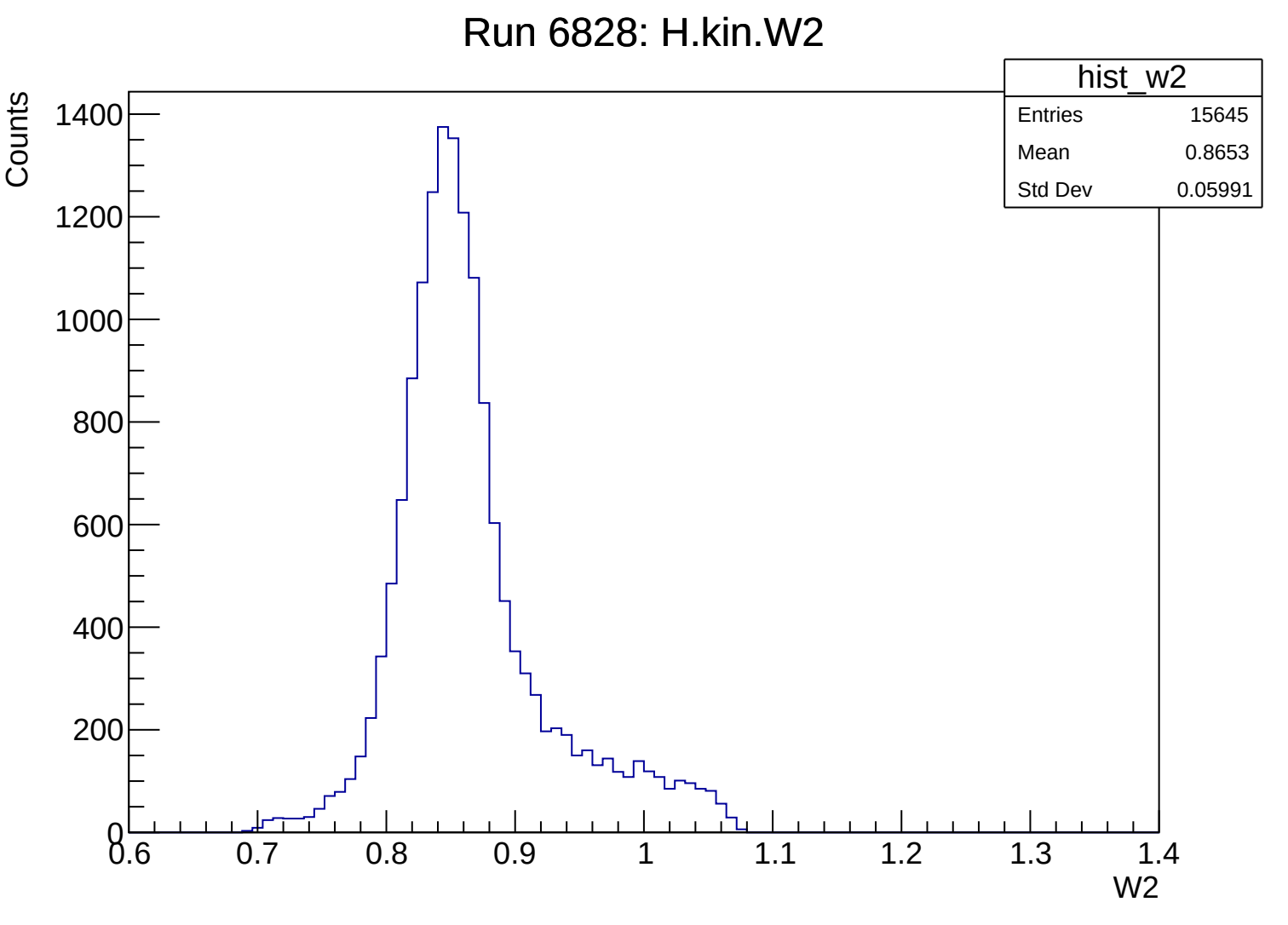
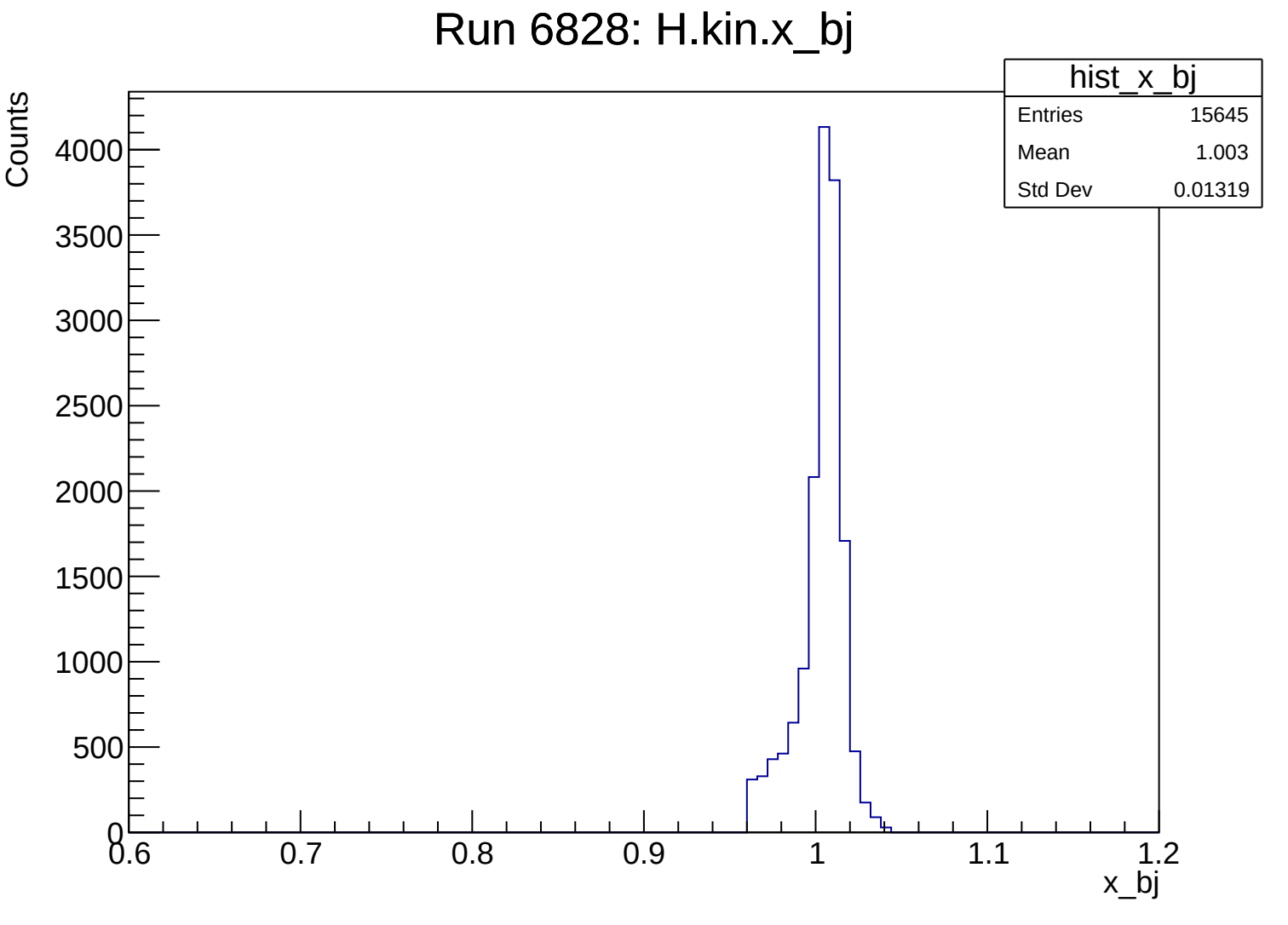
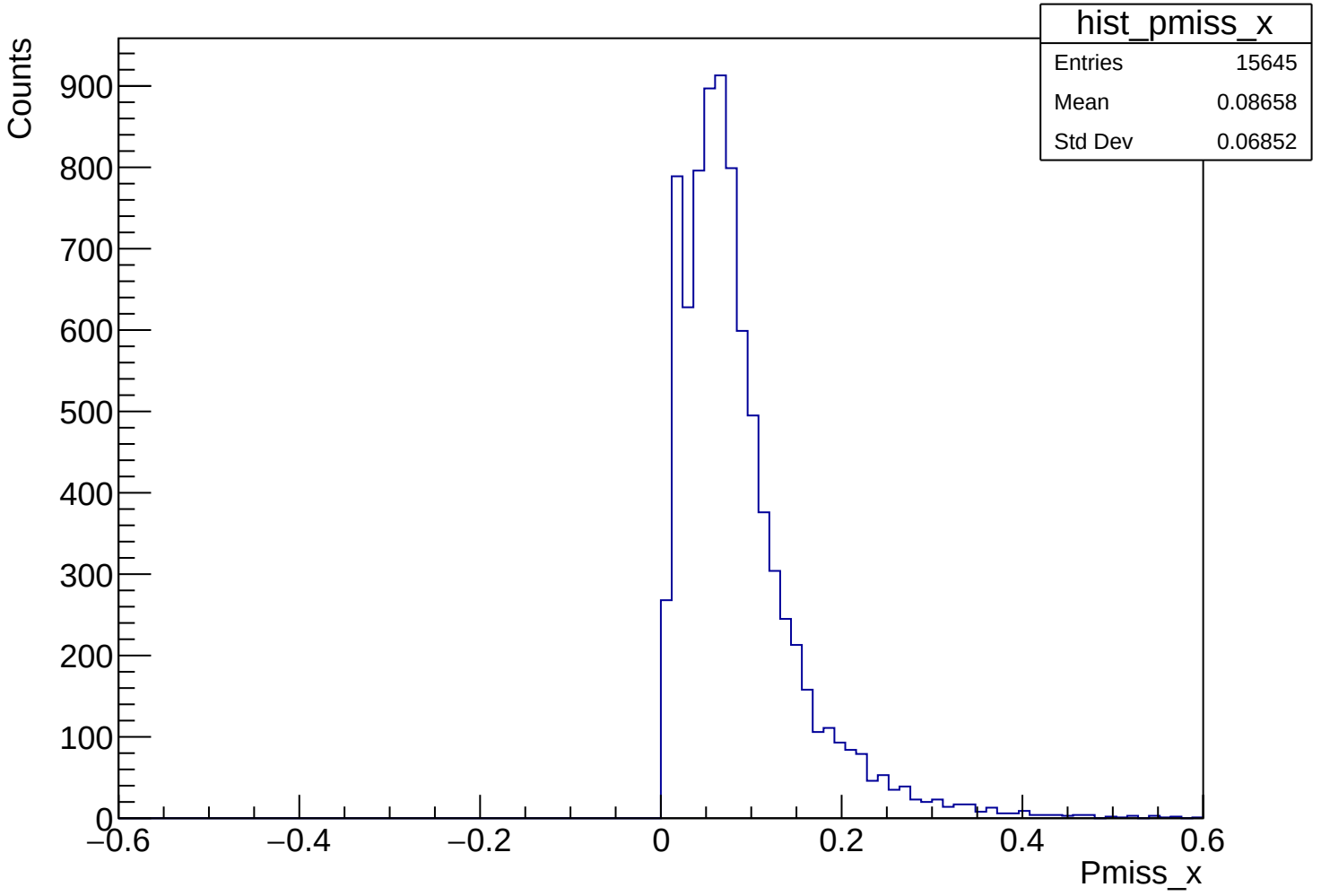
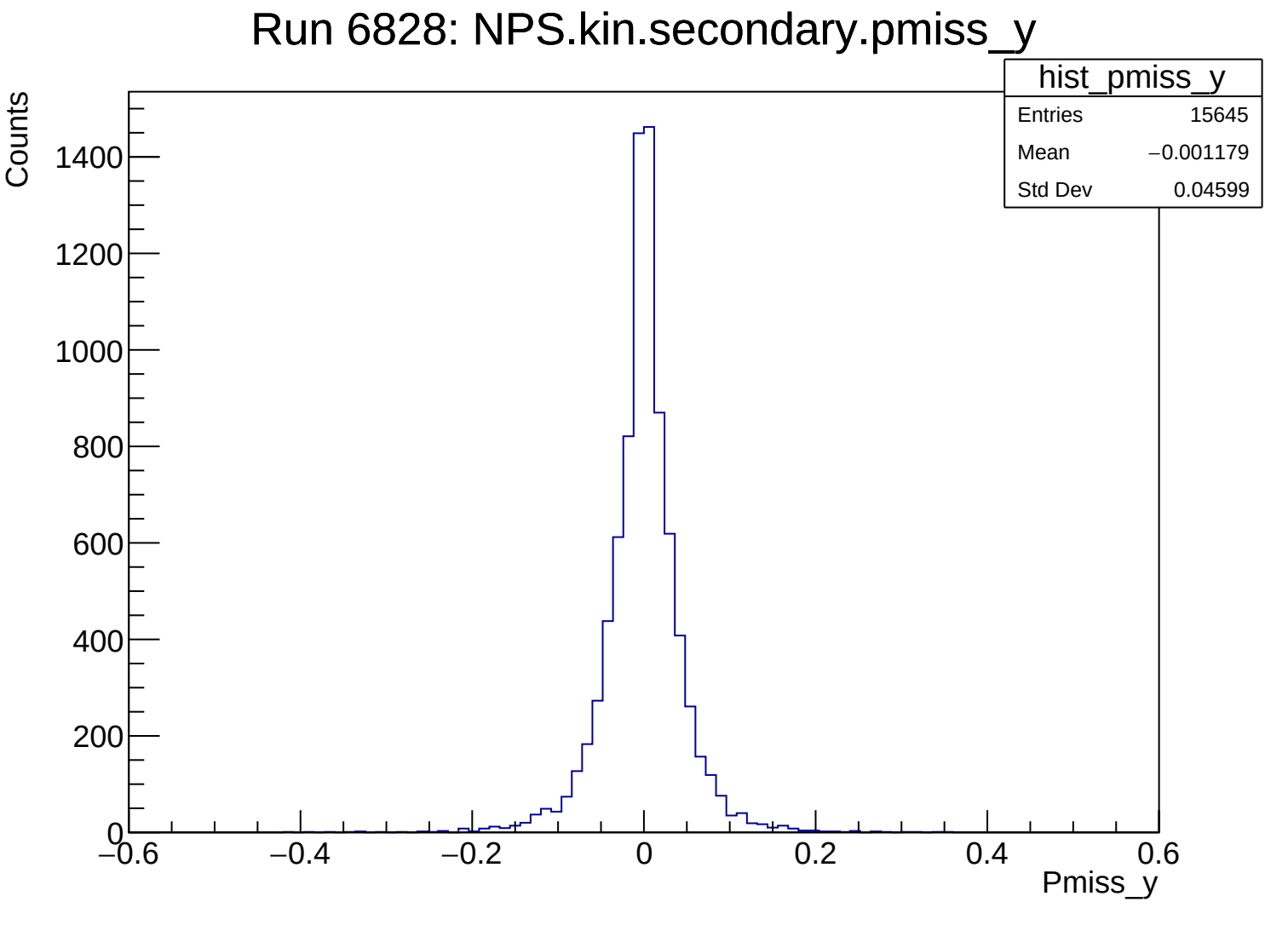
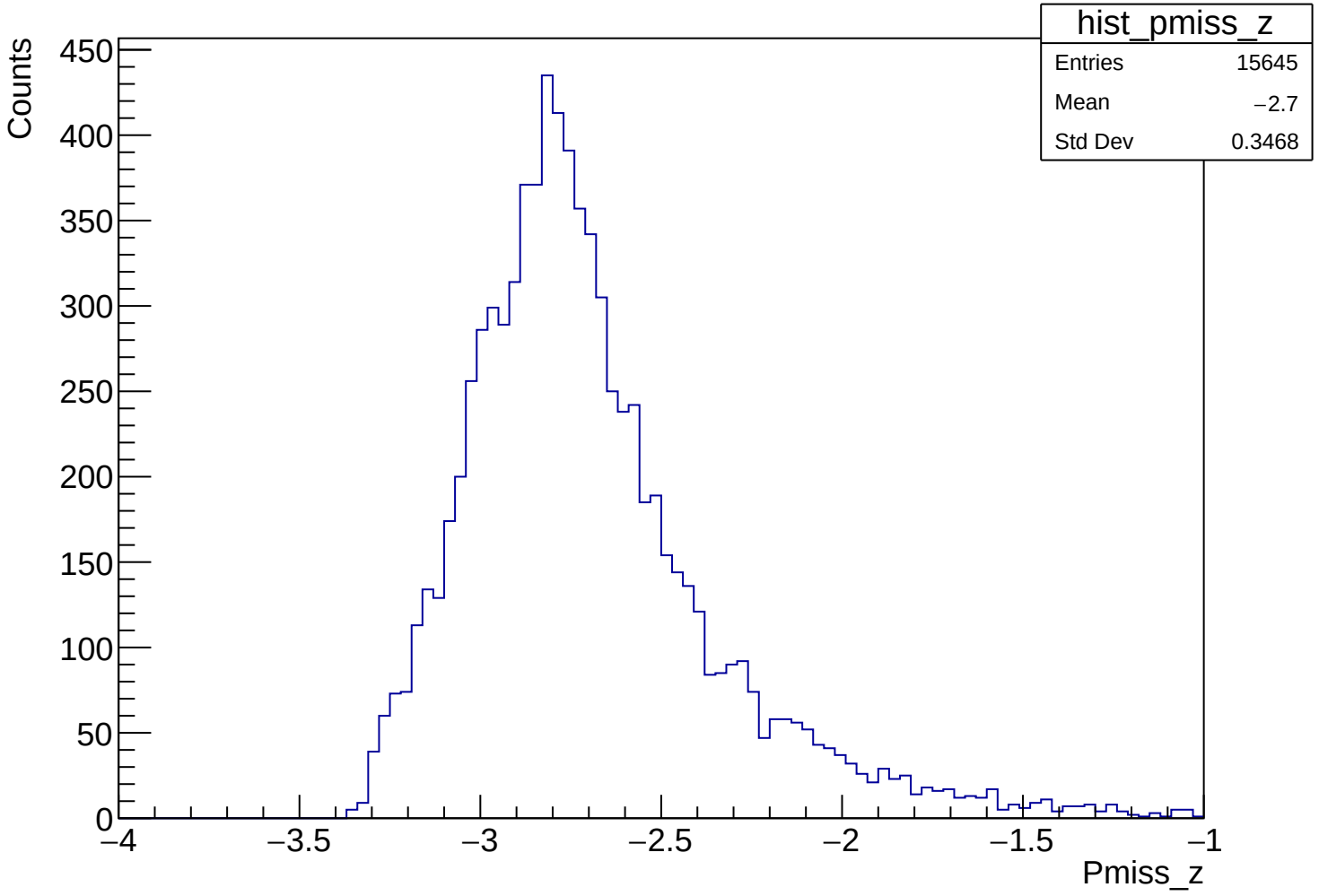
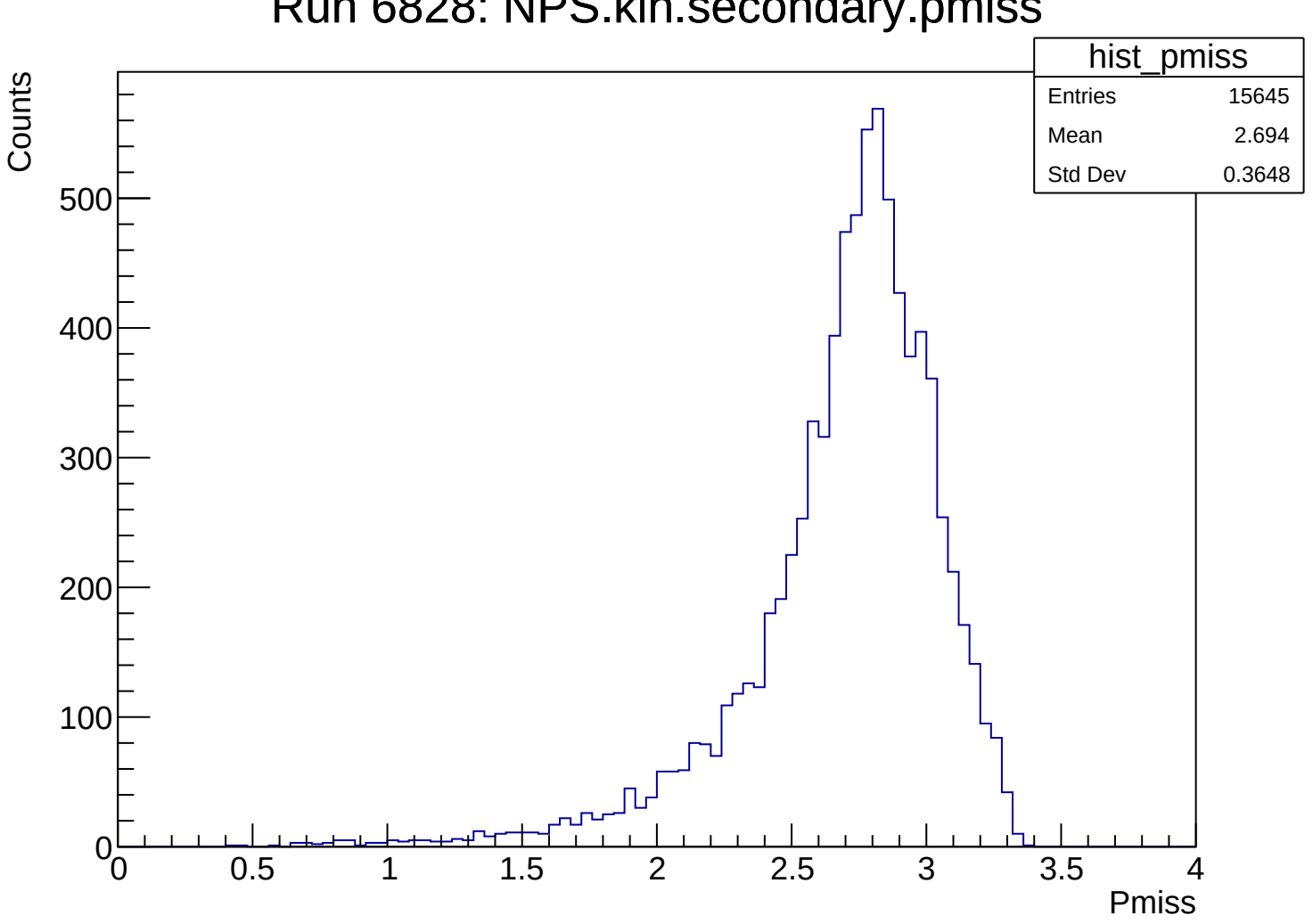

Run 6828: H.kin.W2
hist_w2
Entries 15645
Mean 0.8653
Std Dev 0.05991
Counts
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

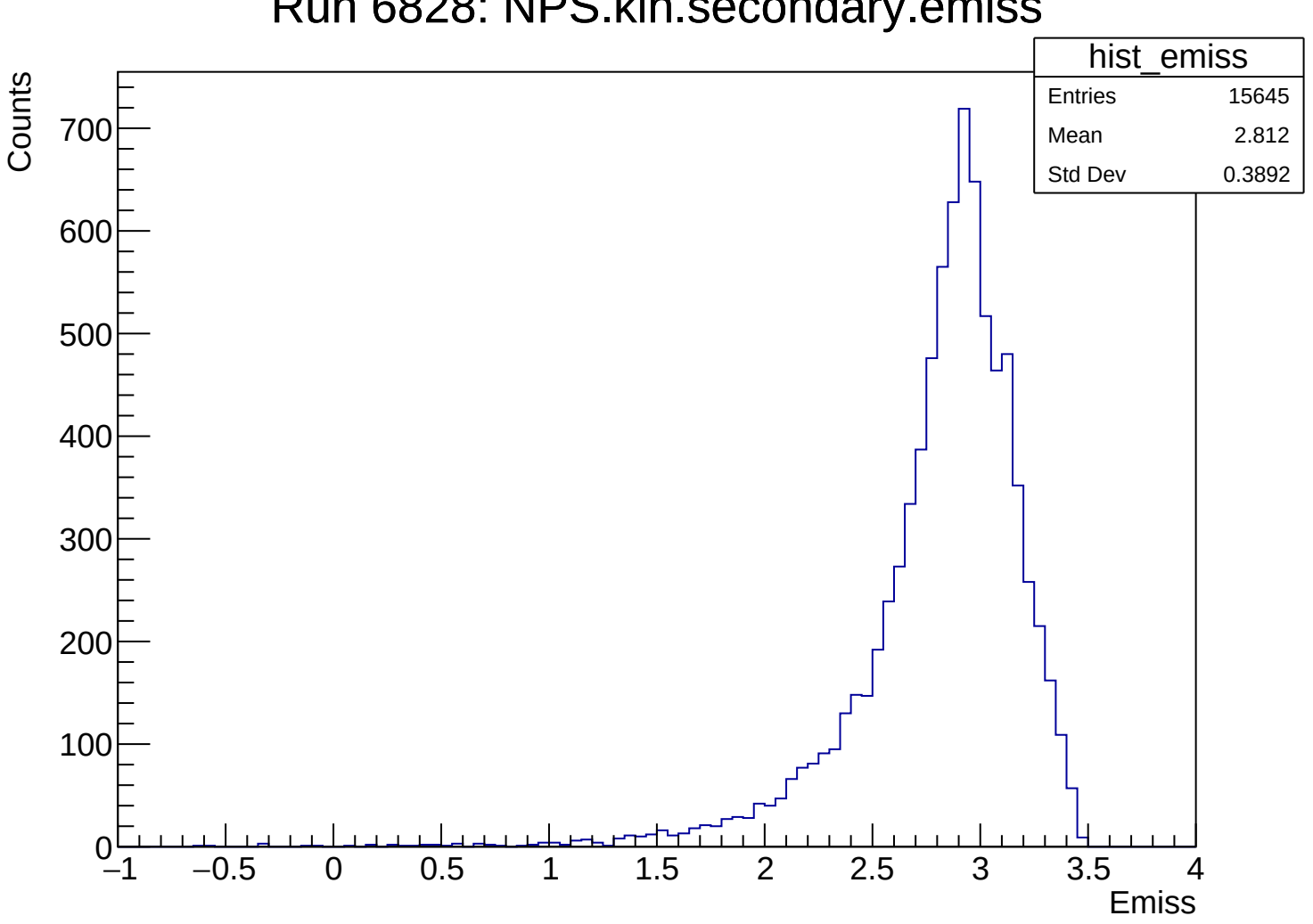

Run 6828: H.kin.x_bj
hist_x_bj
Entries 15645
Mean 1.003
Std Dev 0.01319
Counts
4000
3500
3000
2500
2000
1500
1000
500
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

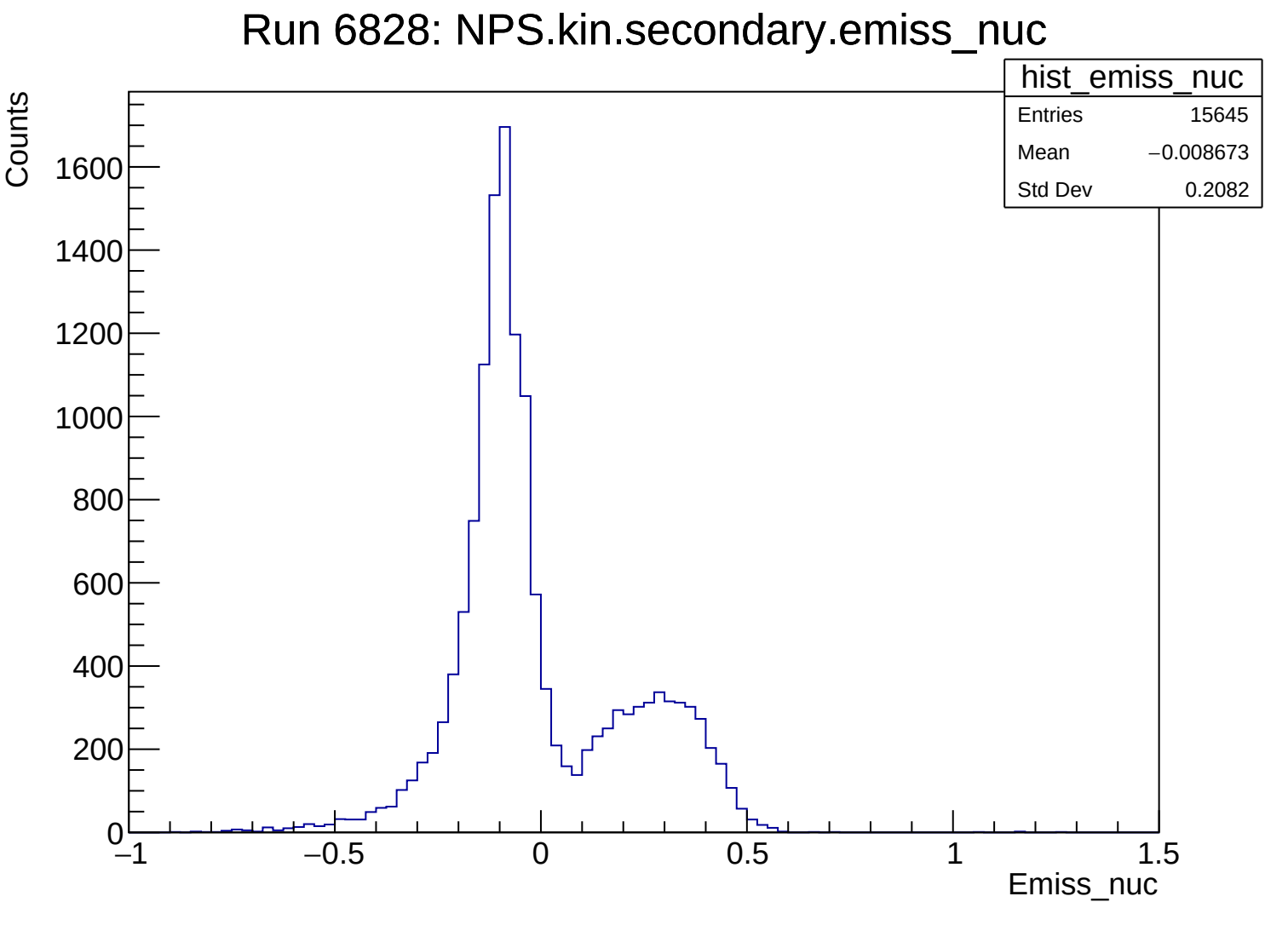

Run 6828: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 15645
Mean 0.08658
Std Dev 0.06852
Counts
900
800
700
600
500
400
300
200
100
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

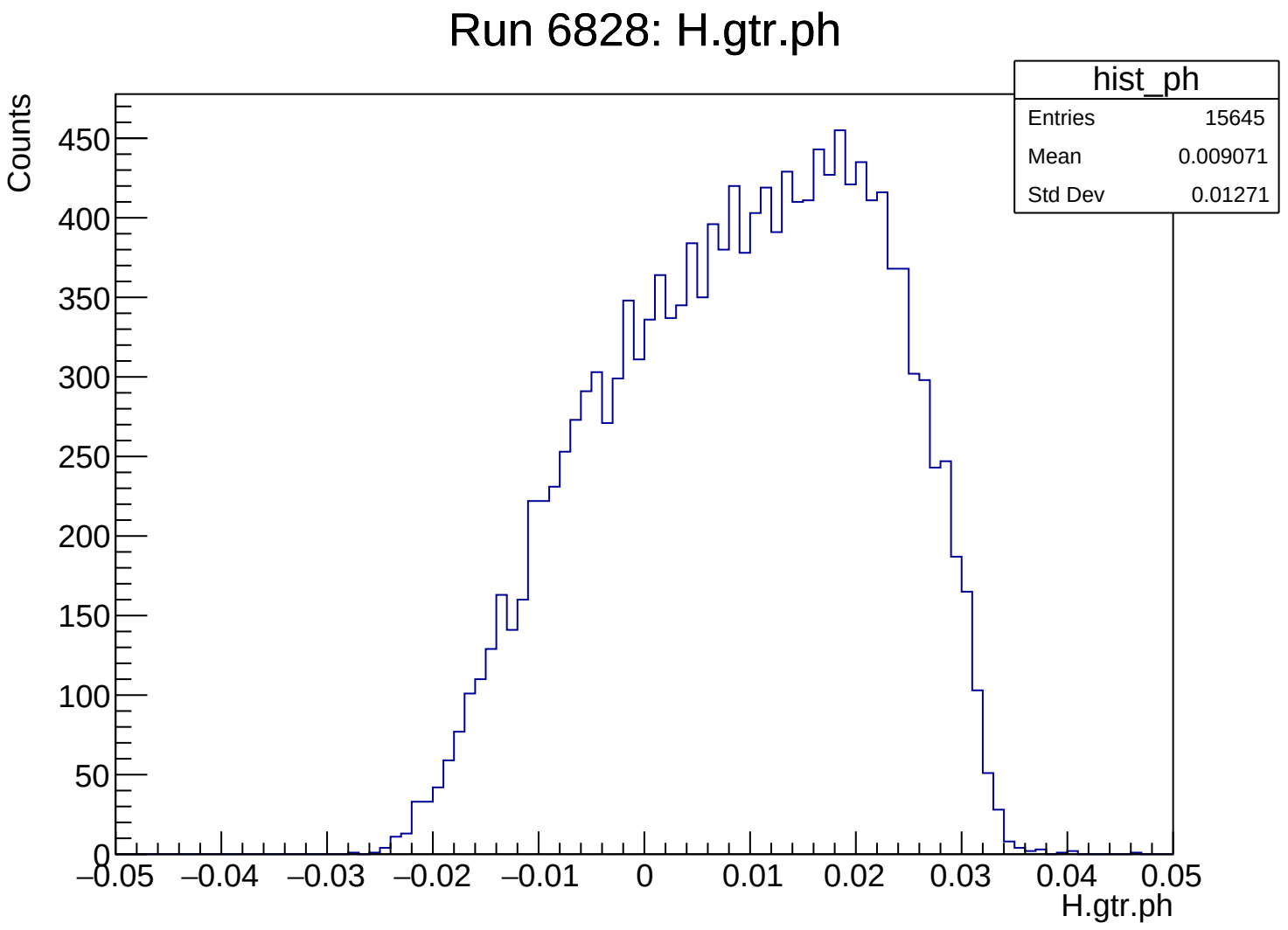

Run 6828: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 15645
Mean −0.001179
Std Dev 0.04599
Counts
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

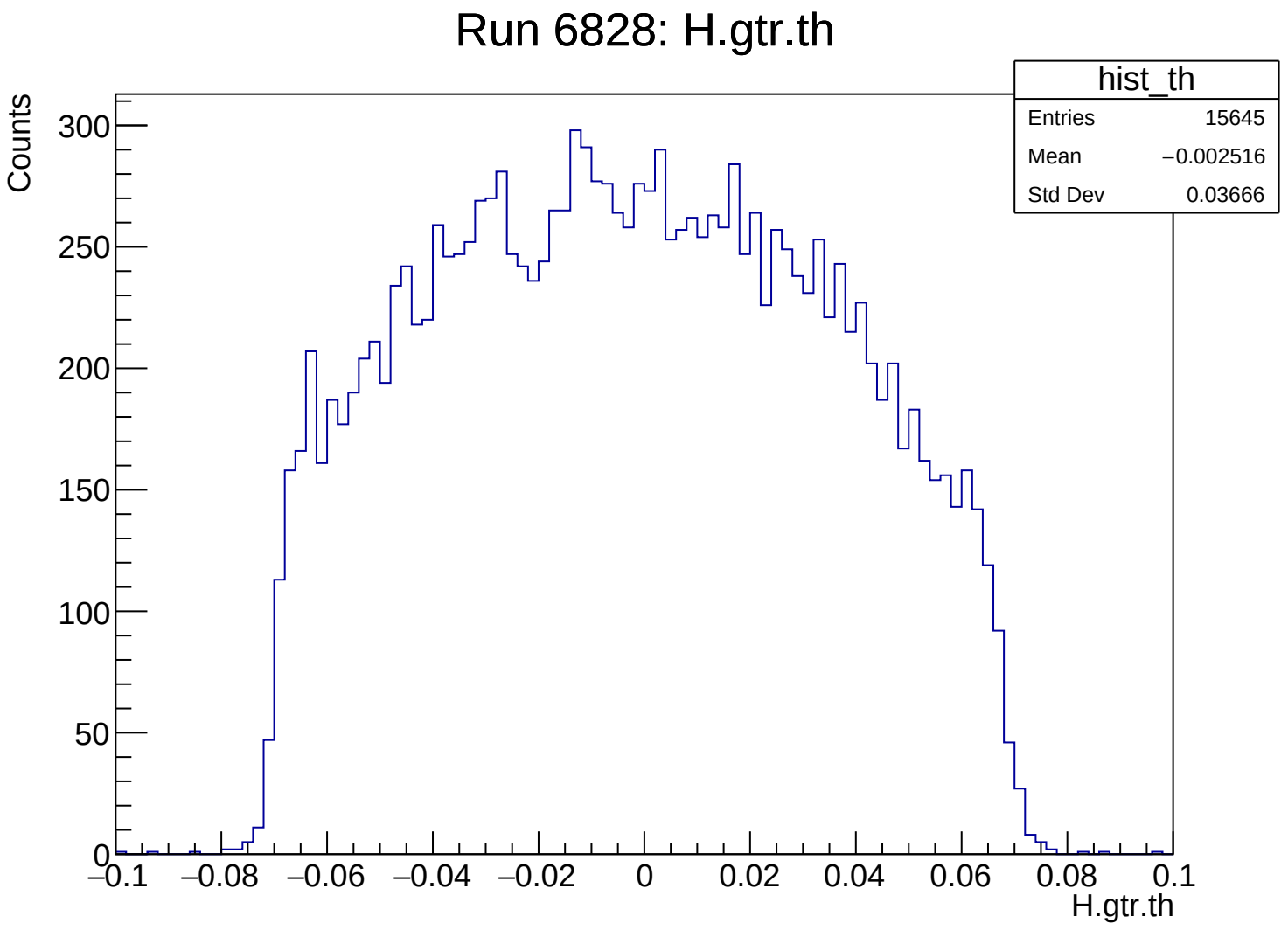

Run 6828: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 15645
Mean −2.7
Std Dev 0.3468
Counts
450
400
350
300
250
200
150
100
50
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

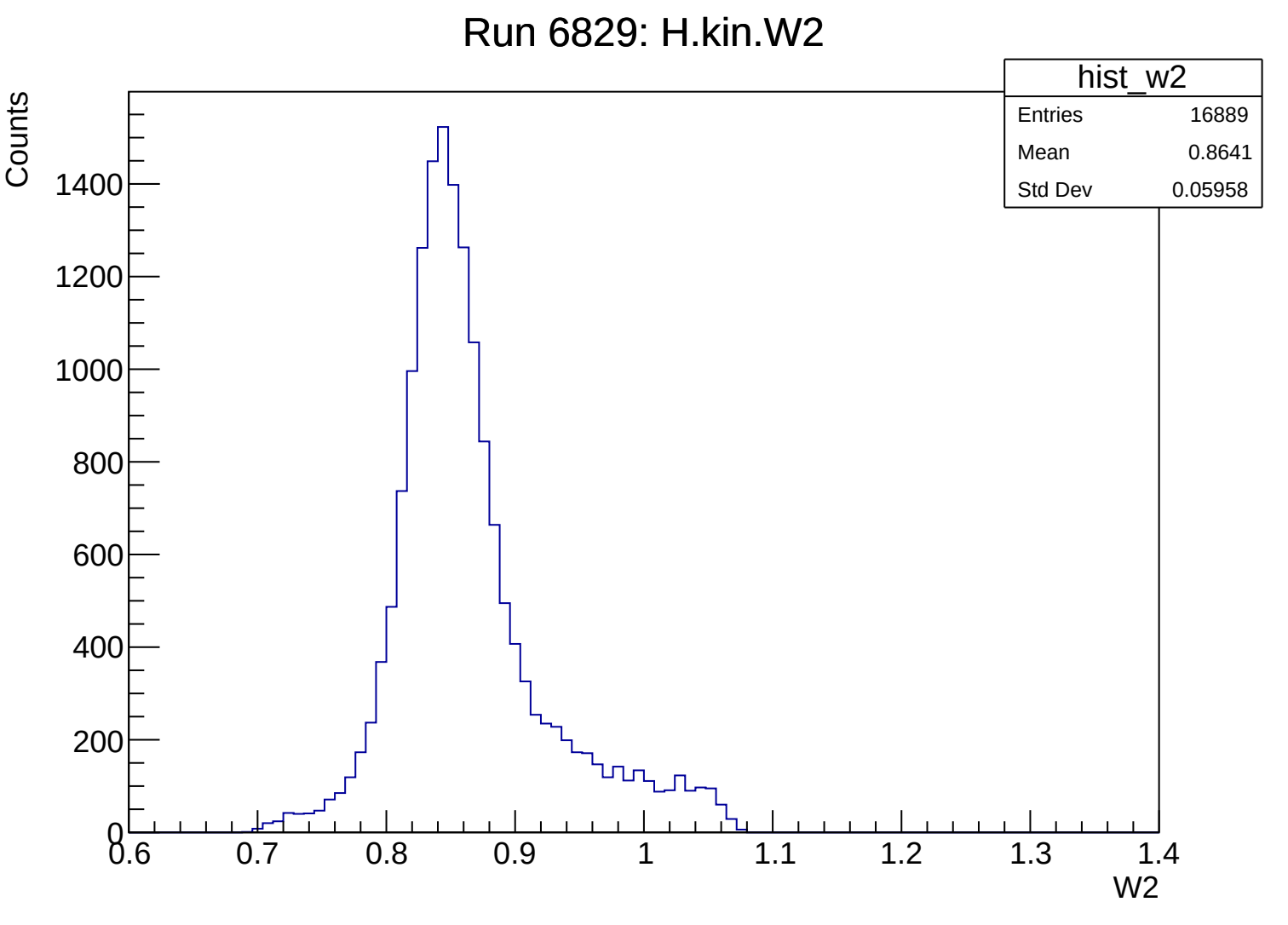

Run 6828: NPS.kin.secondary.pmiss
hist_pmiss
Entries 15645
Mean 2.694
Std Dev 0.3648
Counts
0
100
200
300
400
500
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

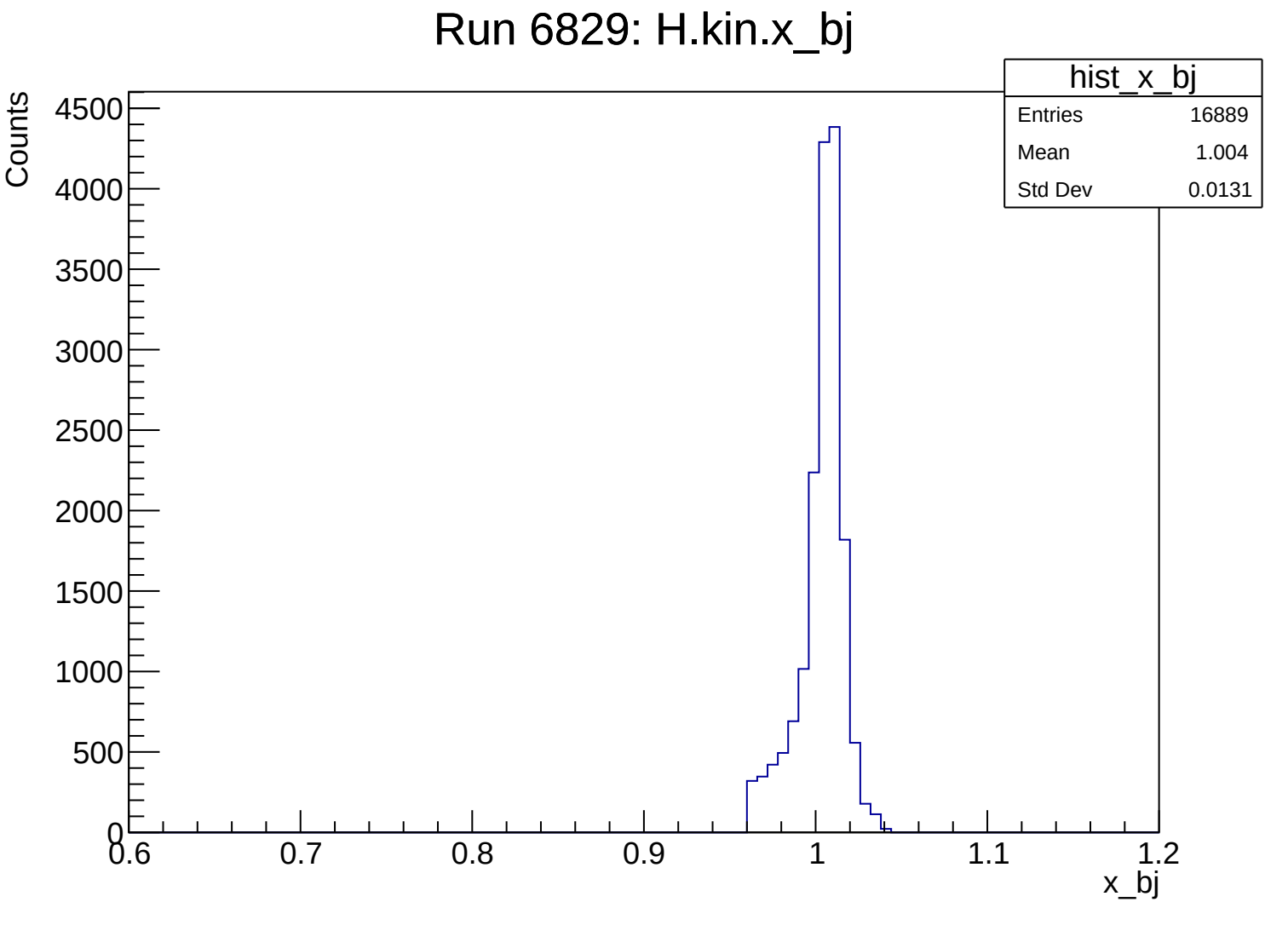

Run 6828: NPS.kin.secondary.emiss
hist_emiss
Entries 15645
Mean 2.812
Std Dev 0.3892
Counts
0
100
200
300
400
500
600
700
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

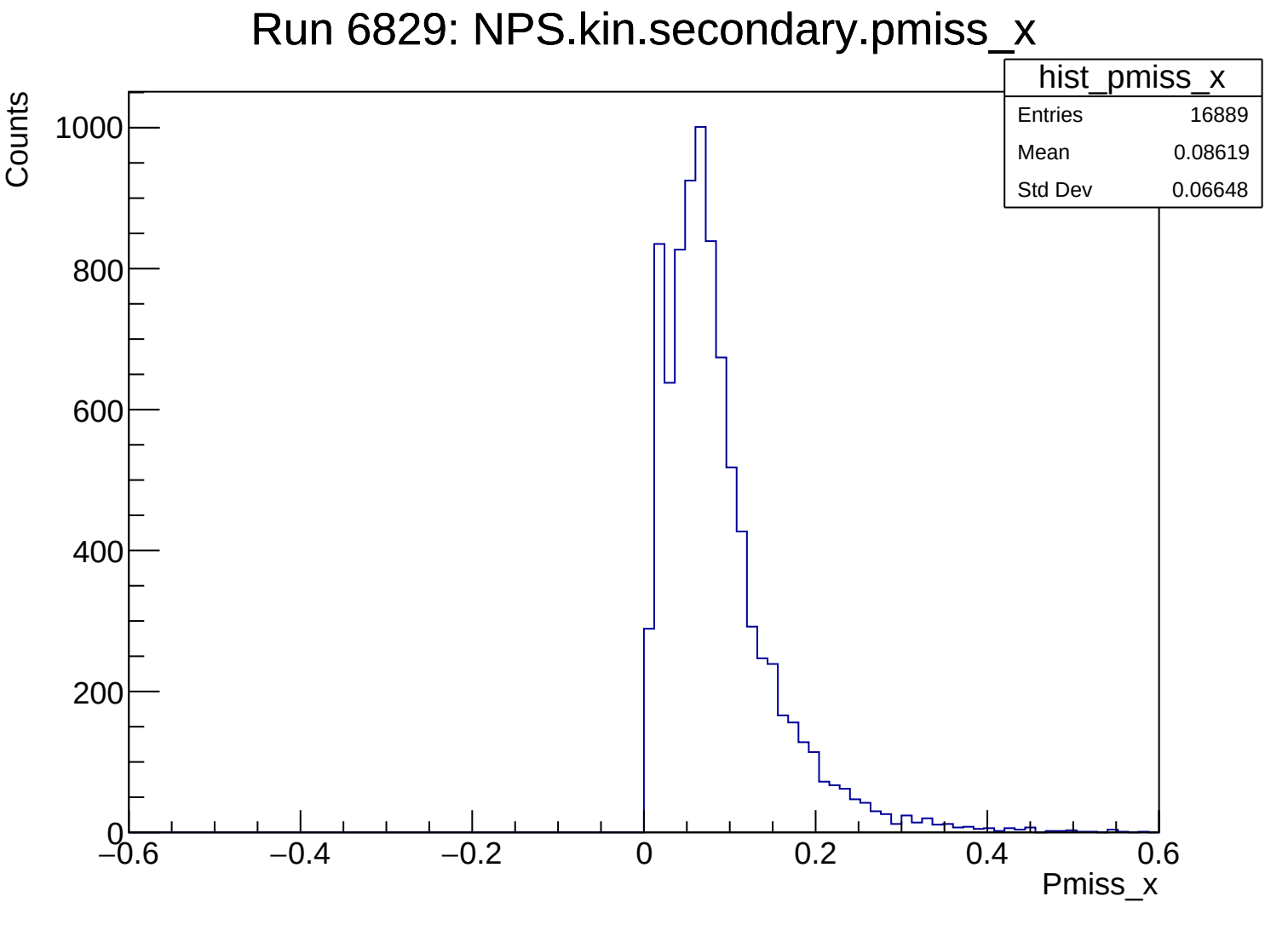

Run 6828: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 15645
Mean −0.008673
Std Dev 0.2082
Counts
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

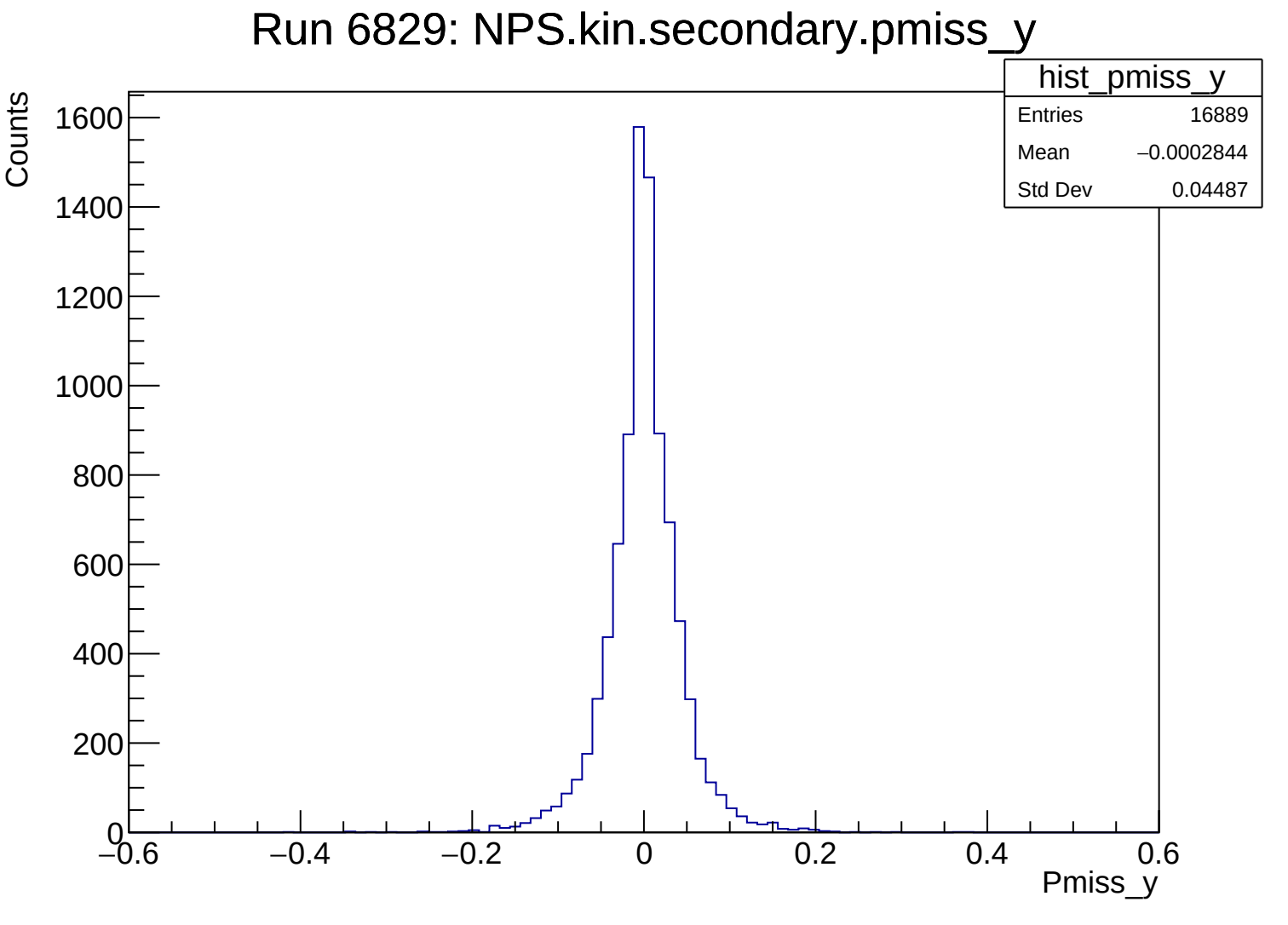

Run 6828: H.gtr.ph
hist_ph
Entries 15645
Mean 0.009071
Std Dev 0.01271
Counts
450
400
350
300
250
200
150
100
50
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

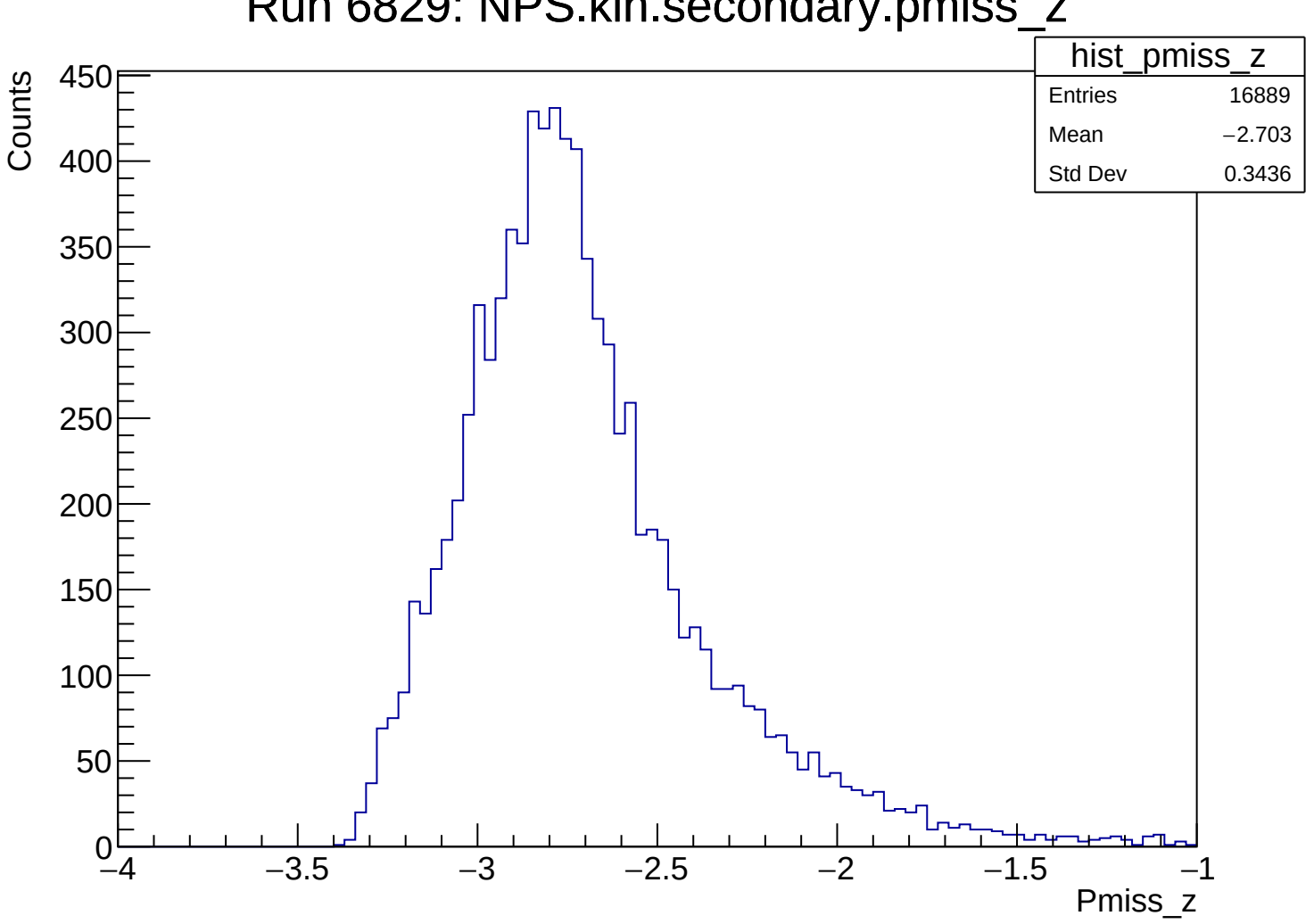

Run 6828: H.gtr.th
hist_th
Entries 15645
Mean −0.002516
Std Dev 0.03666
Counts
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

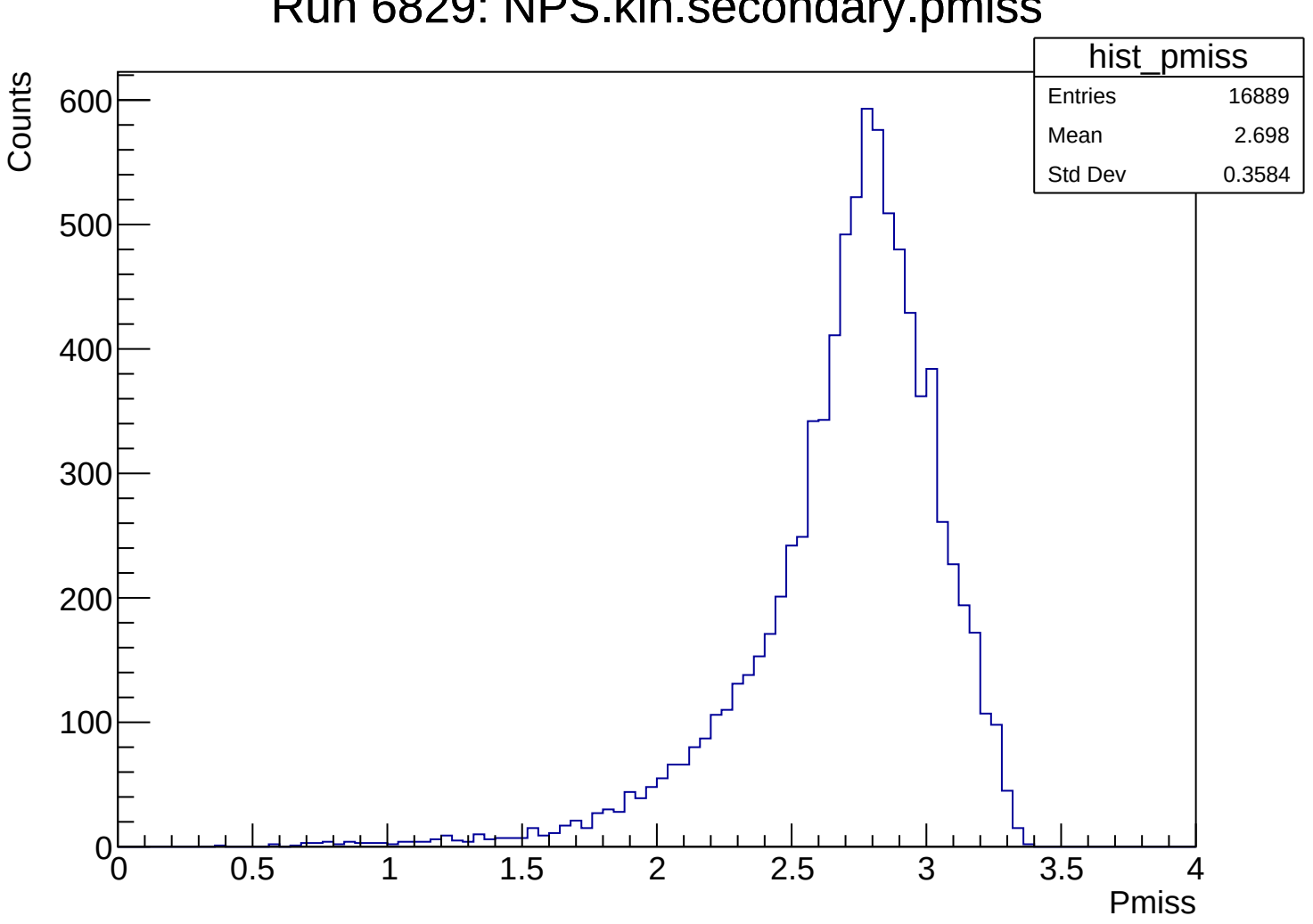

Run 6829: H.kin.W2
hist_w2
Entries 16889
Mean 0.8641
Std Dev 0.05958
Counts
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

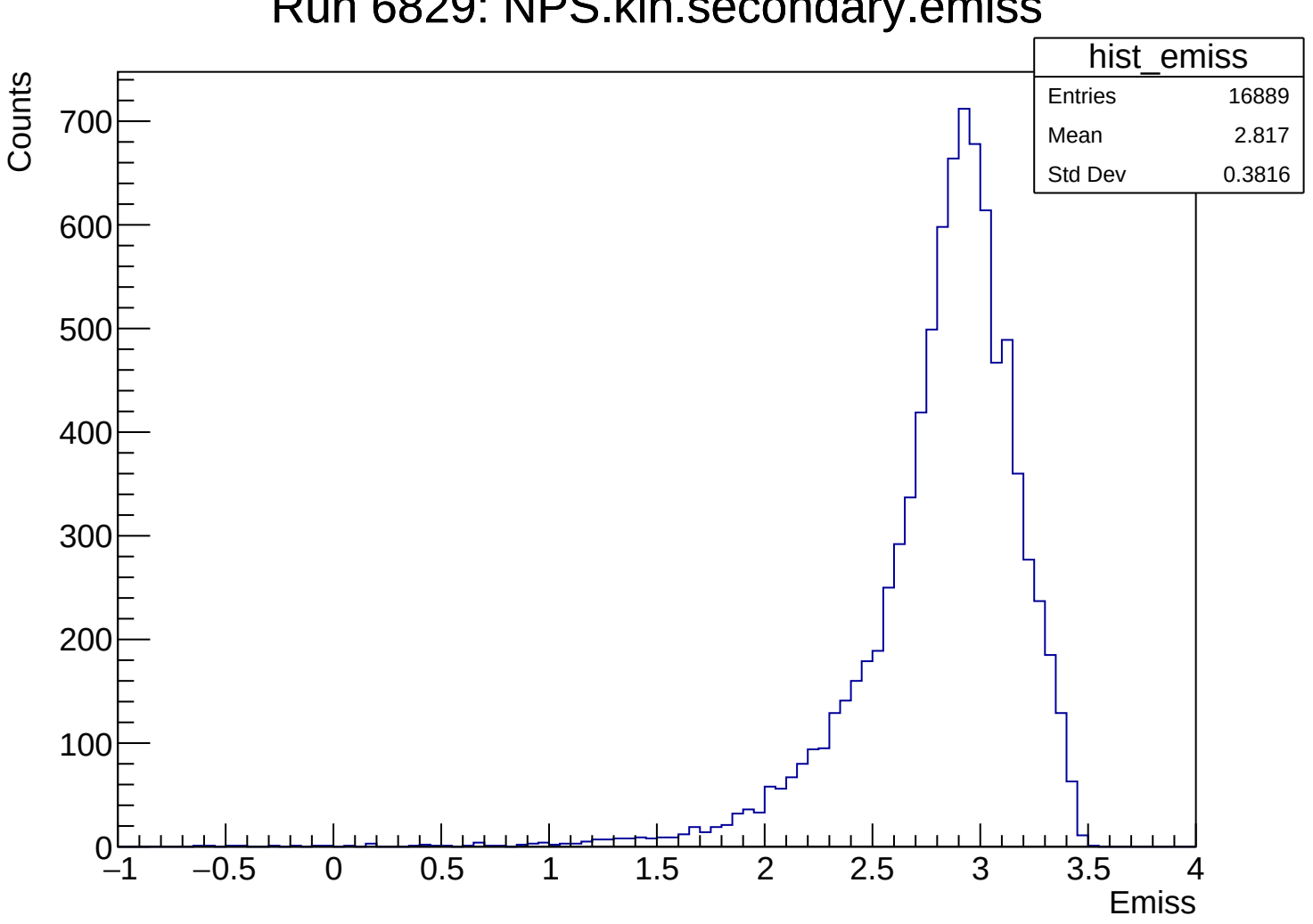

Run 6829: H.kin.x_bj
hist_x_bj
Entries 16889
Mean 1.004
Std Dev 0.0131
Counts
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

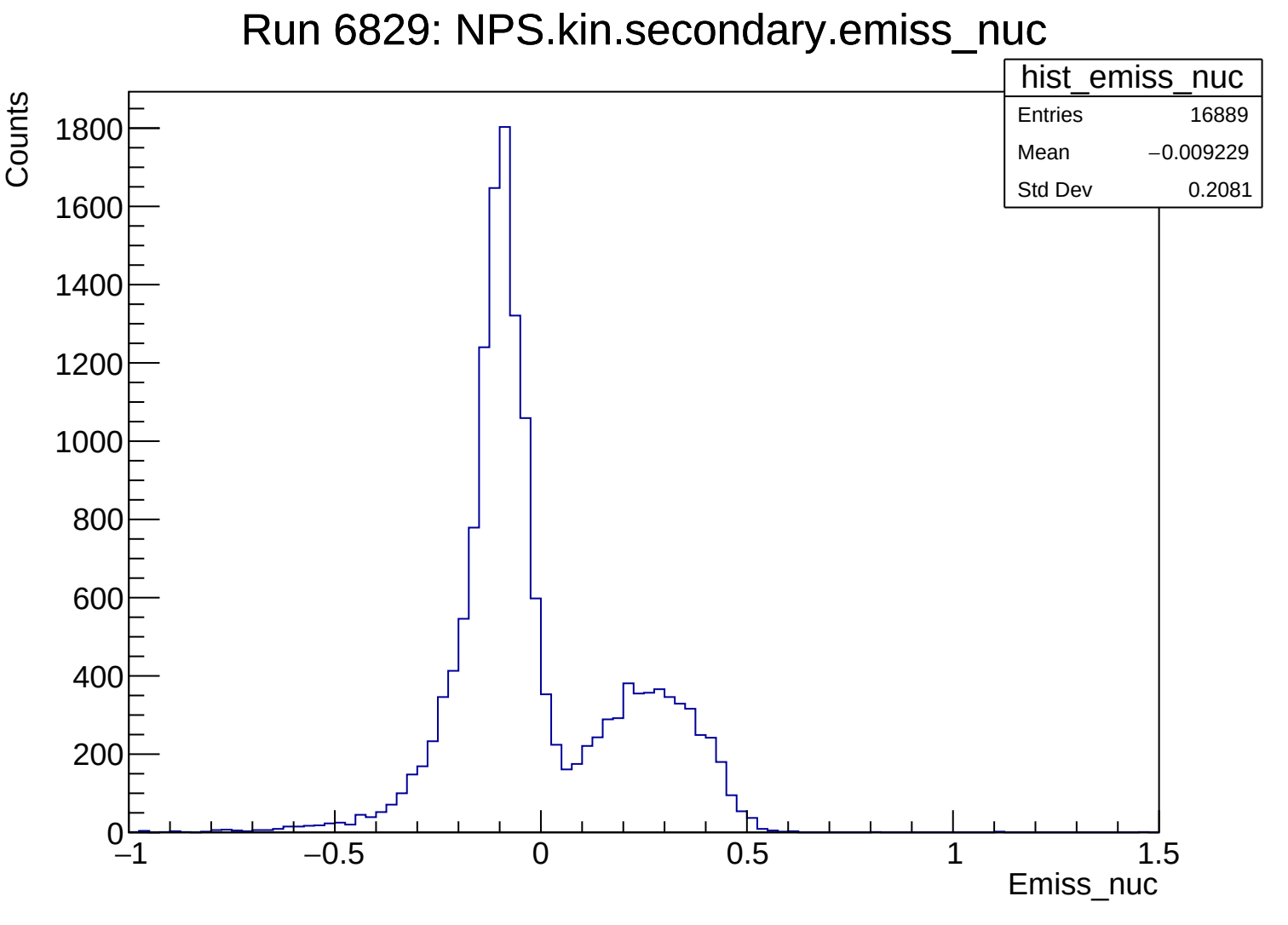

Run 6829: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 16889
Mean 0.08619
Std Dev 0.06648
Counts
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

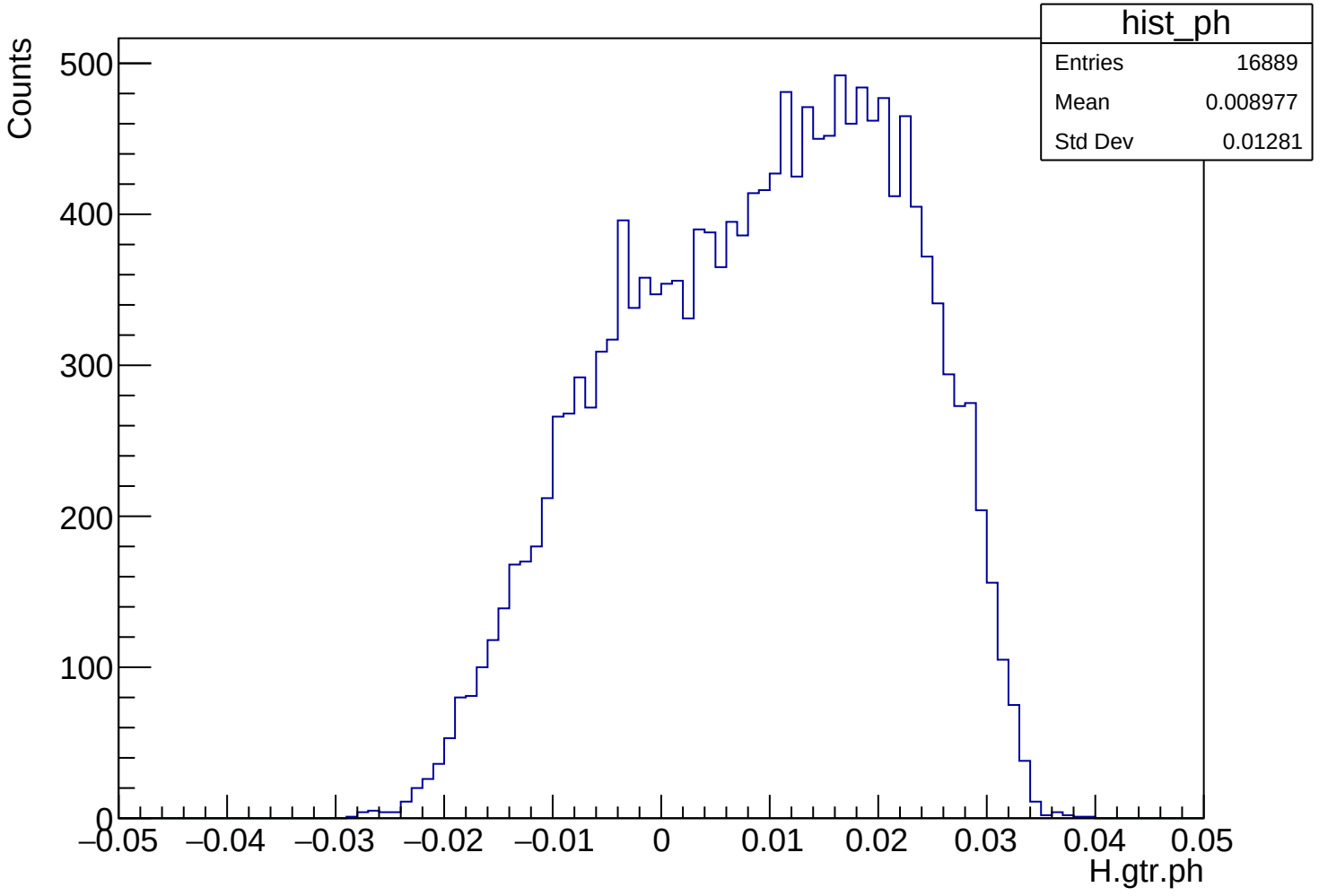

Run 6829: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 16889
Mean −0.0002844
Std Dev 0.04487
Counts
1600
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

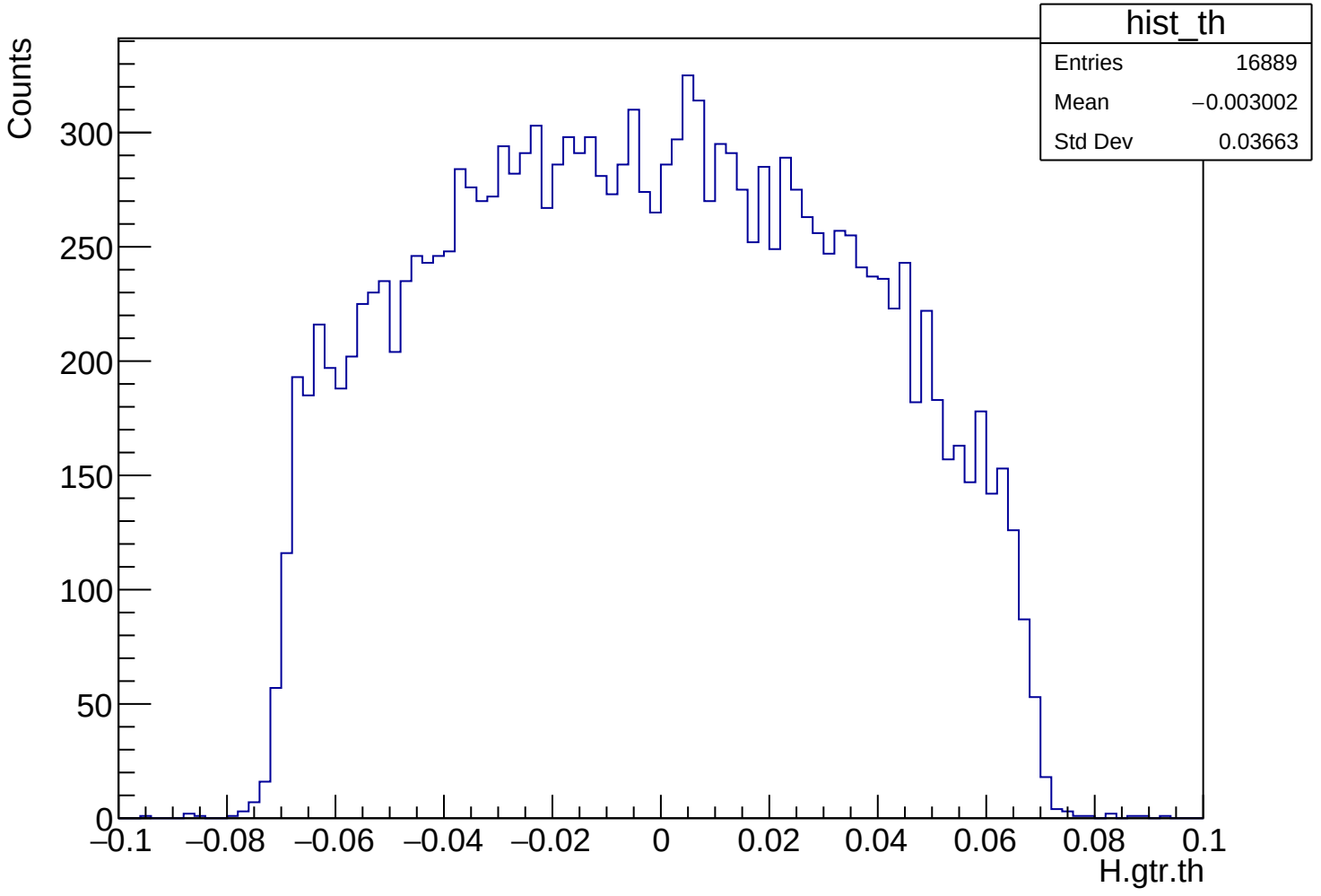

Run 6829: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 16889
Mean −2.703
Std Dev 0.3436
Counts
450
400
350
300
250
200
150
100
50
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

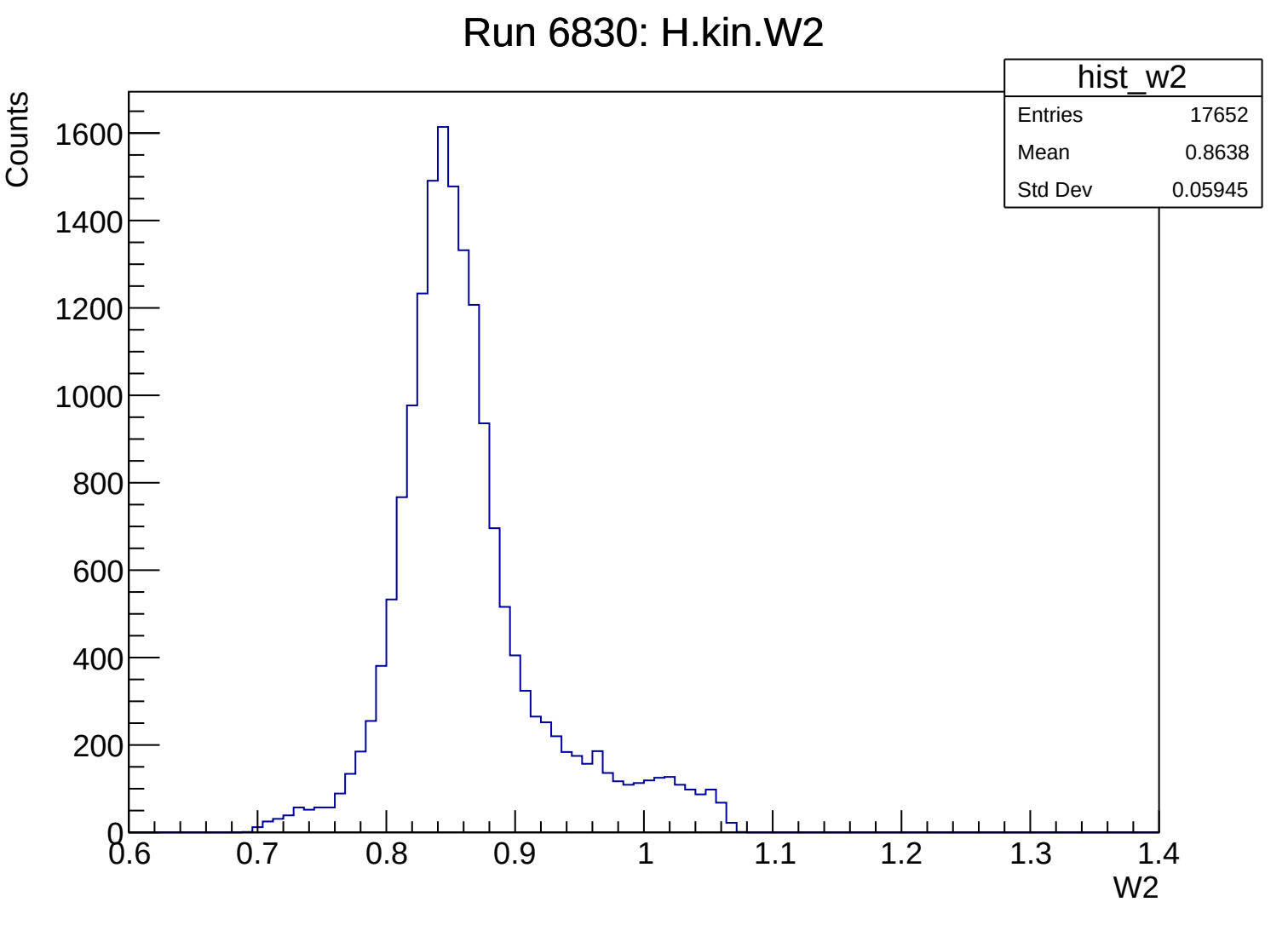

Run 6829: NPS.kin.secondary.pmiss
hist_pmiss
Entries 16889
Mean 2.698
Std Dev 0.3584
Counts
Pmiss
0
100
200
300
400
500
600
0
0.5
1
1.5
2
2.5
3
3.5
4

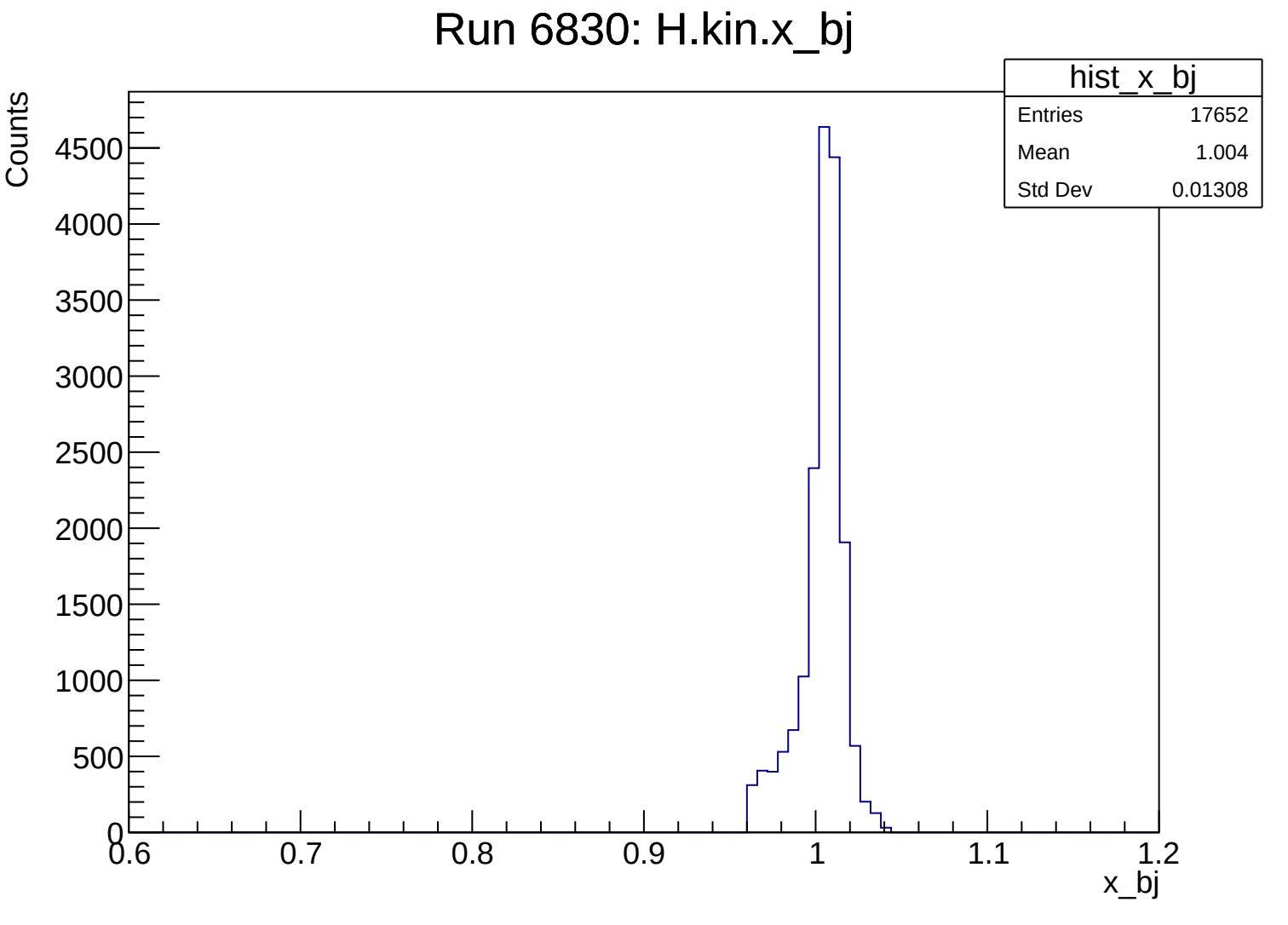

Run 6829: NPS.kin.secondary.emiss
hist_emiss
Entries 16889
Mean 2.817
Std Dev 0.3816
Counts
0
100
200
300
400
500
600
700
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

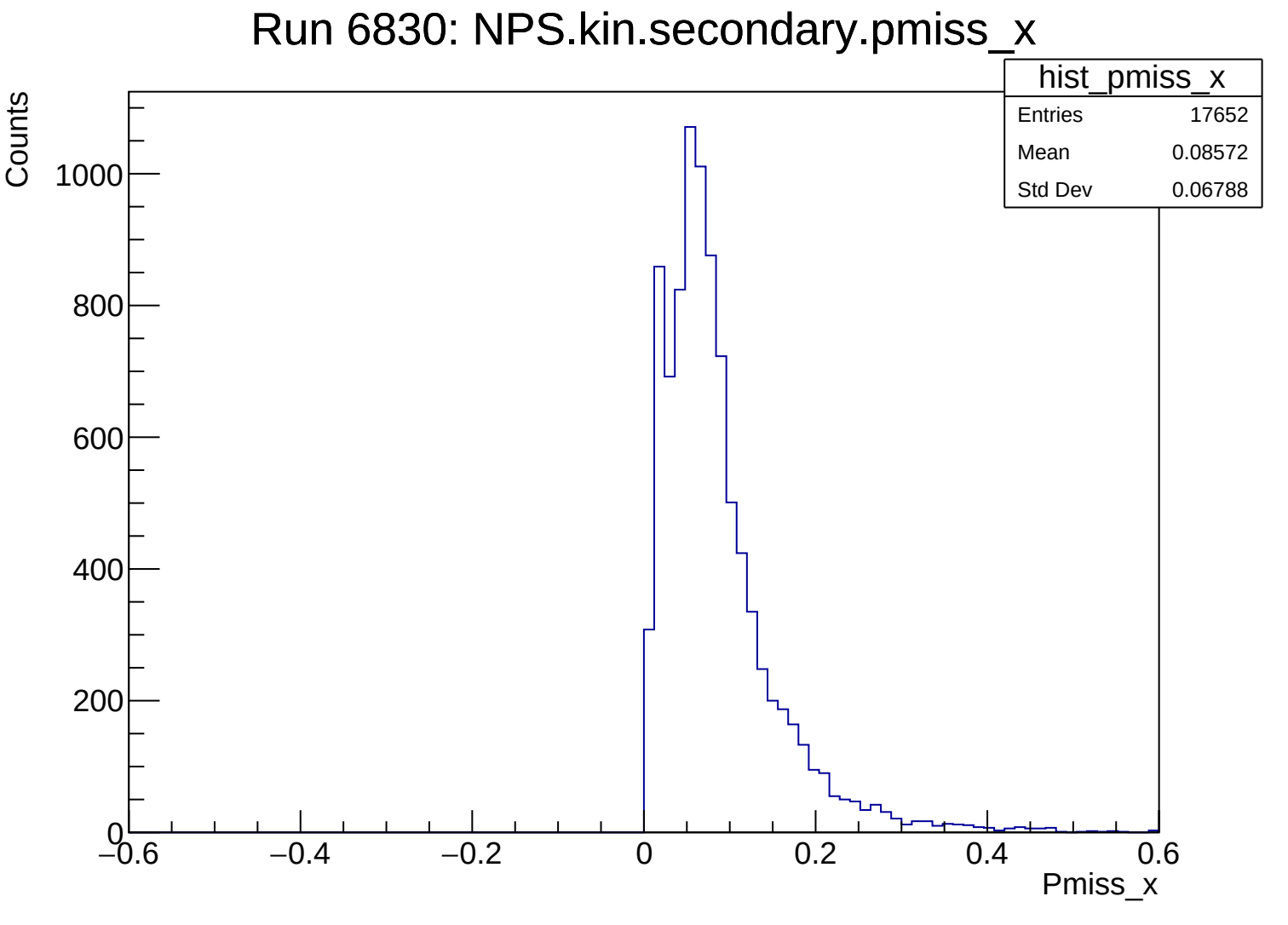

Run 6829: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 16889
Mean −0.009229
Std Dev 0.2081
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

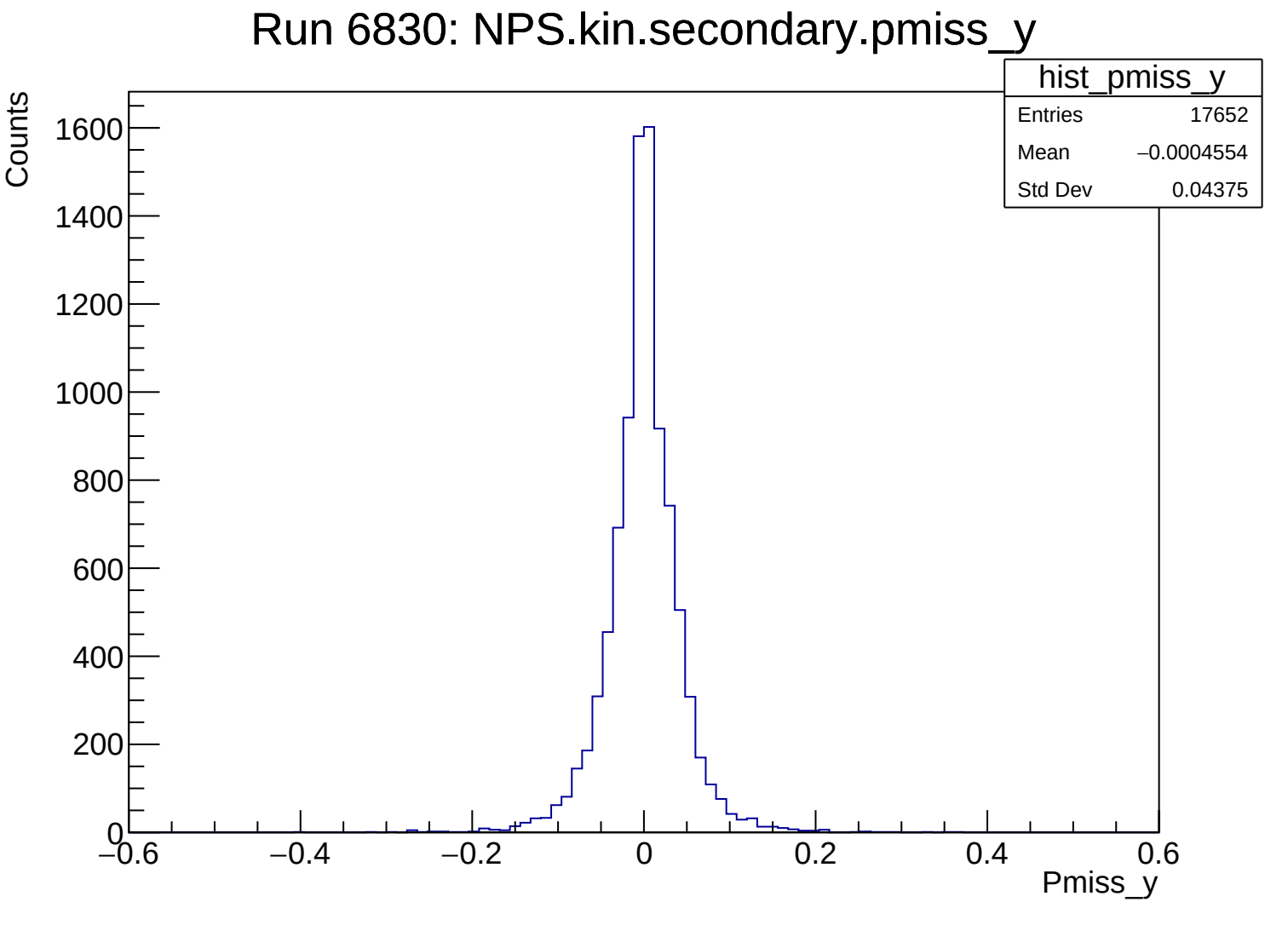

Run 6829: H.gtr.ph
hist_ph
Entries 16889
Mean 0.008977
Std Dev 0.01281
Counts
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

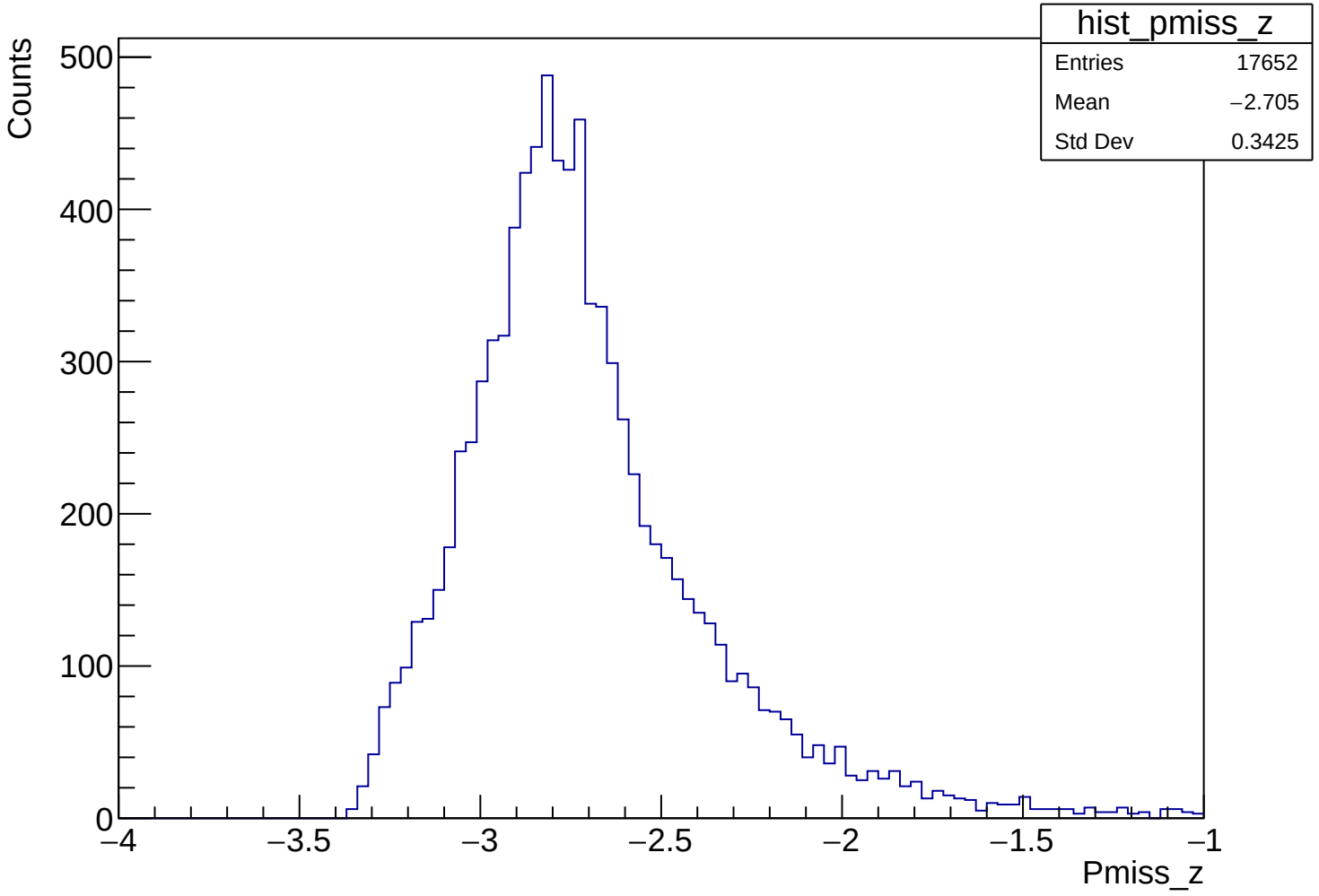

Run 6829: H.gtr.th
hist_th
Entries 16889
Mean −0.003002
Std Dev 0.03663
Counts
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

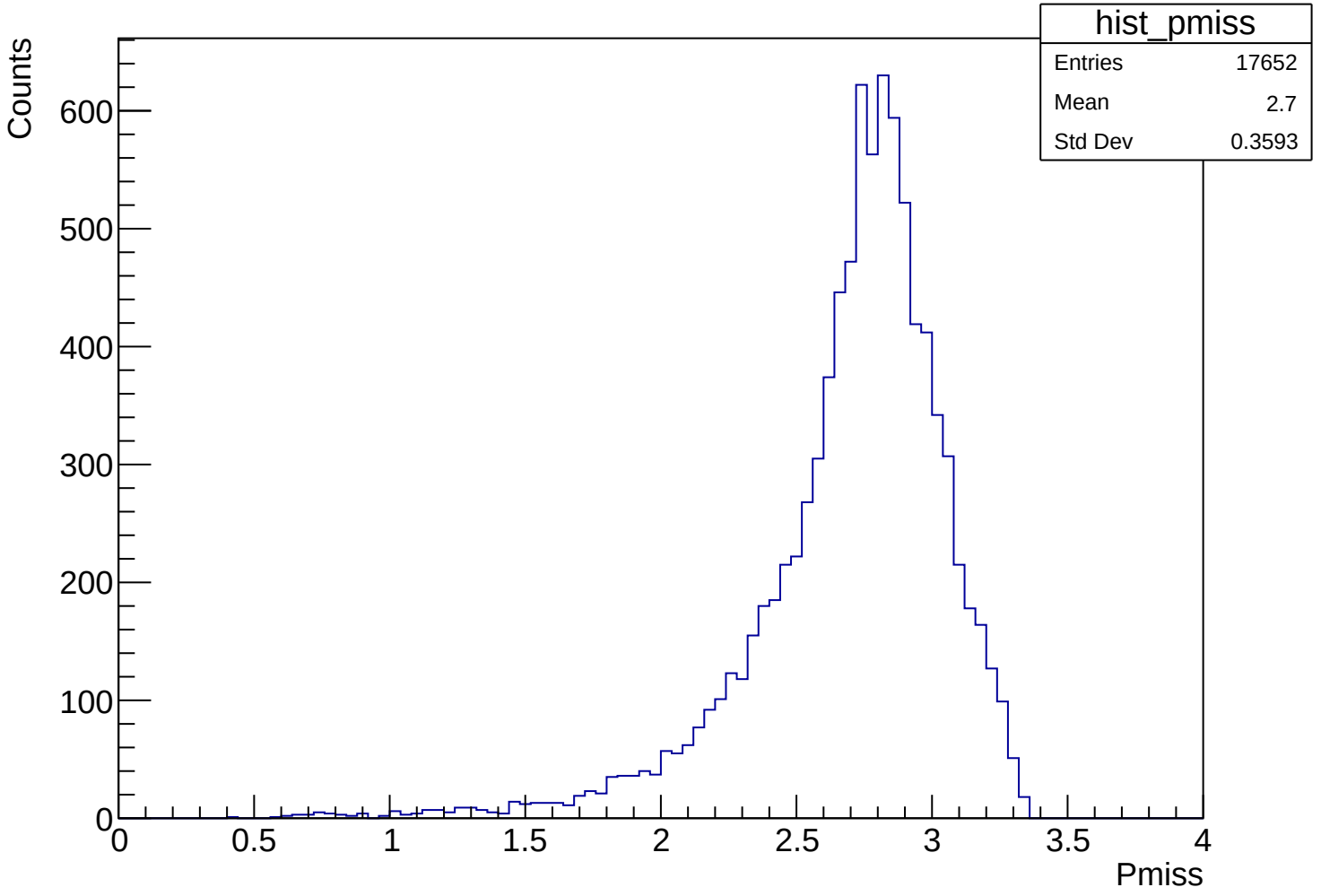

Run 6830: H.kin.W2
hist_w2
Entries 17652
Mean 0.8638
Std Dev 0.05945
Counts
1600
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

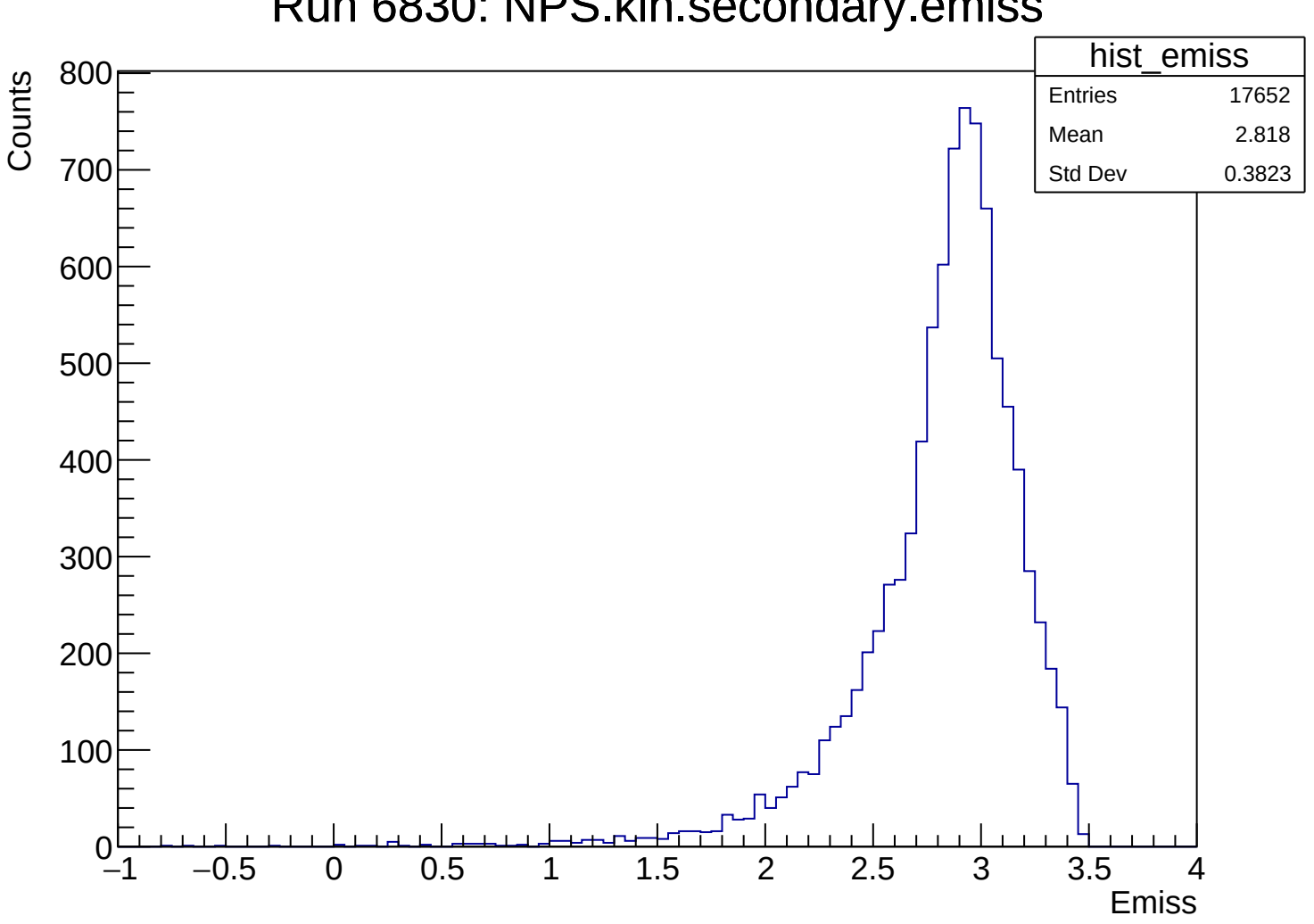

Run 6830: H.kin.x_bj
hist_x_bj
Entries 17652
Mean 1.004
Std Dev 0.01308
Counts
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

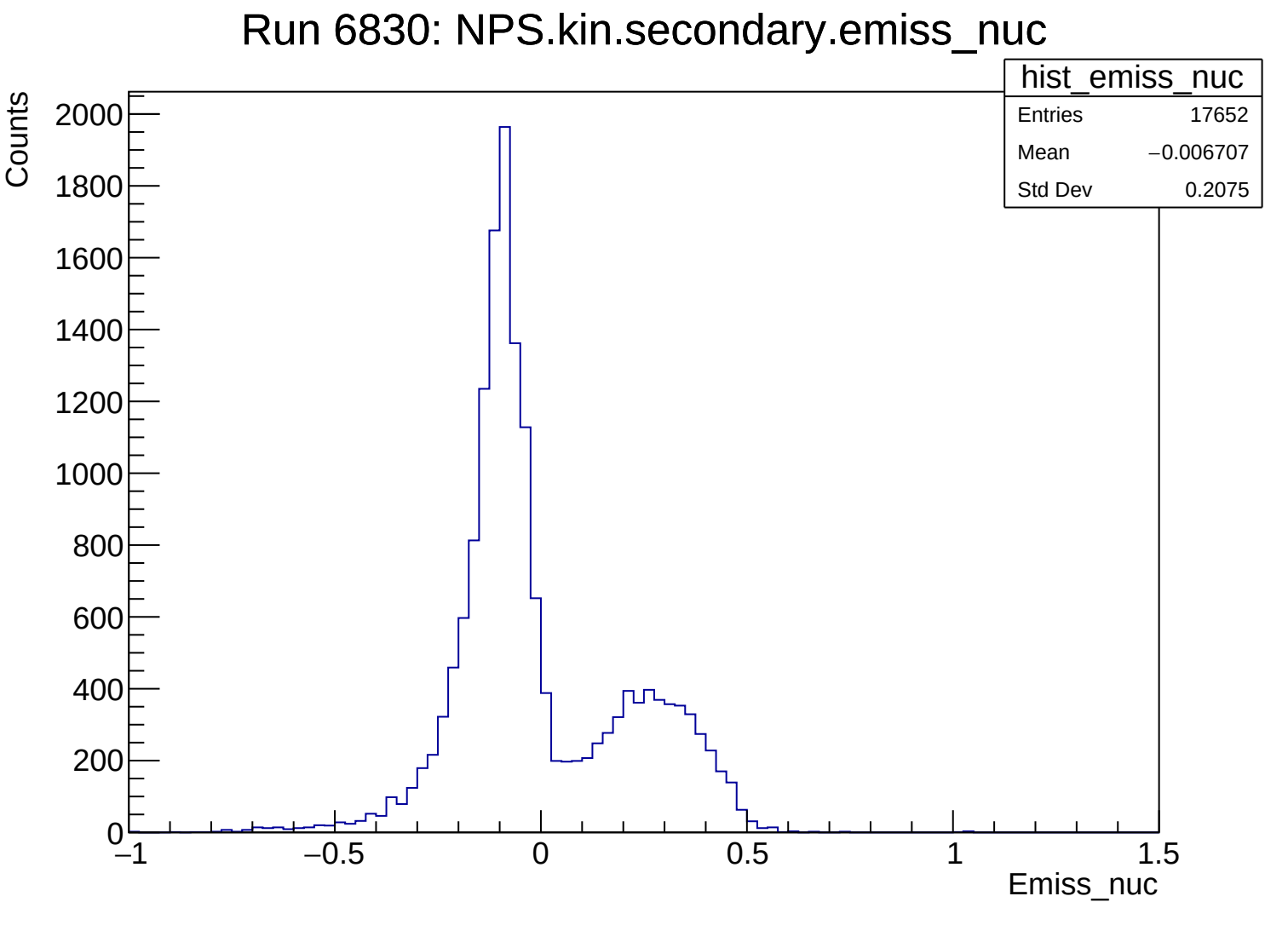

Run 6830: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 17652
Mean 0.08572
Std Dev 0.06788
Counts
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

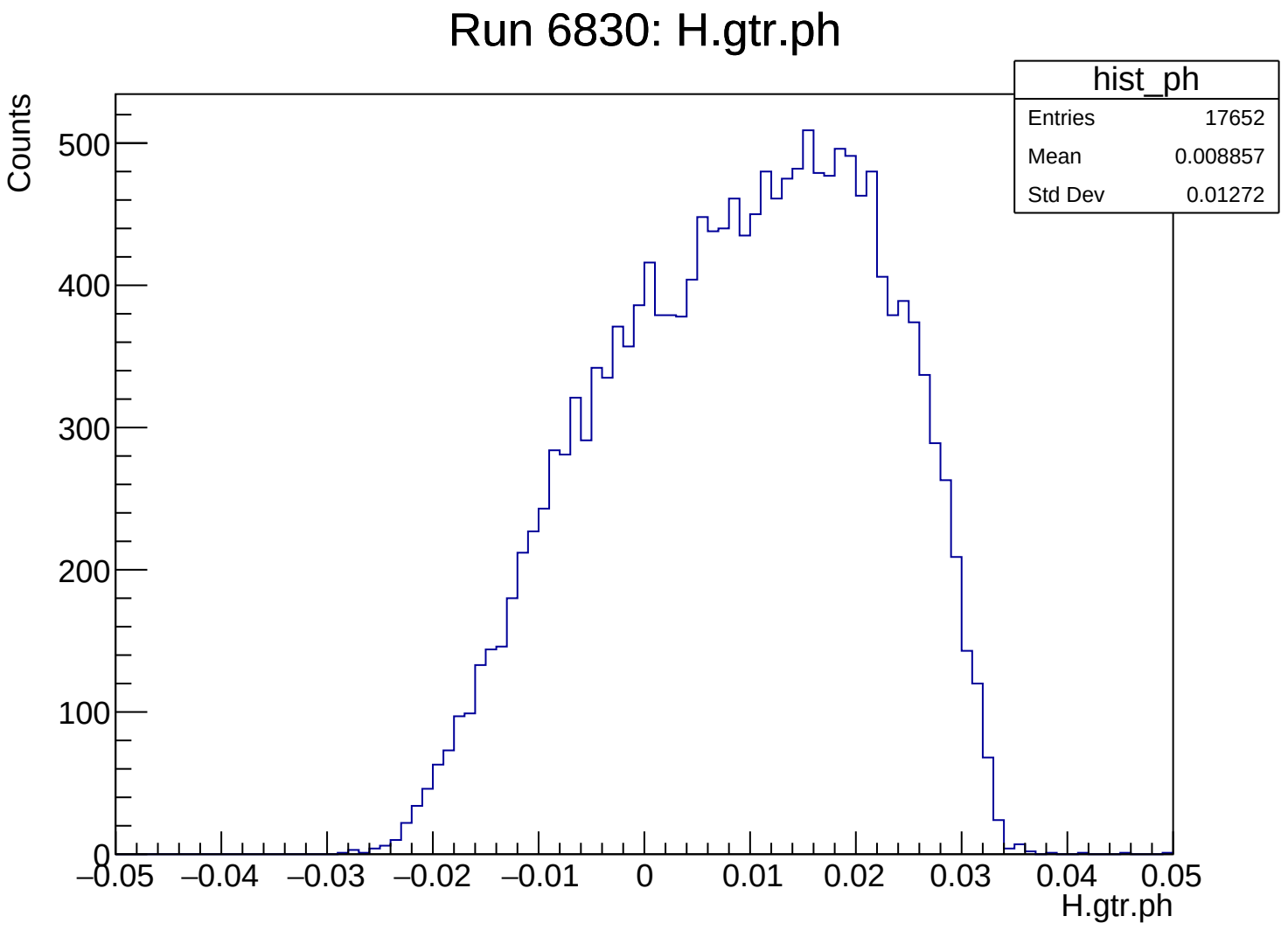

Run 6830: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 17652
Mean −0.0004554
Std Dev 0.04375
Counts
1600
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

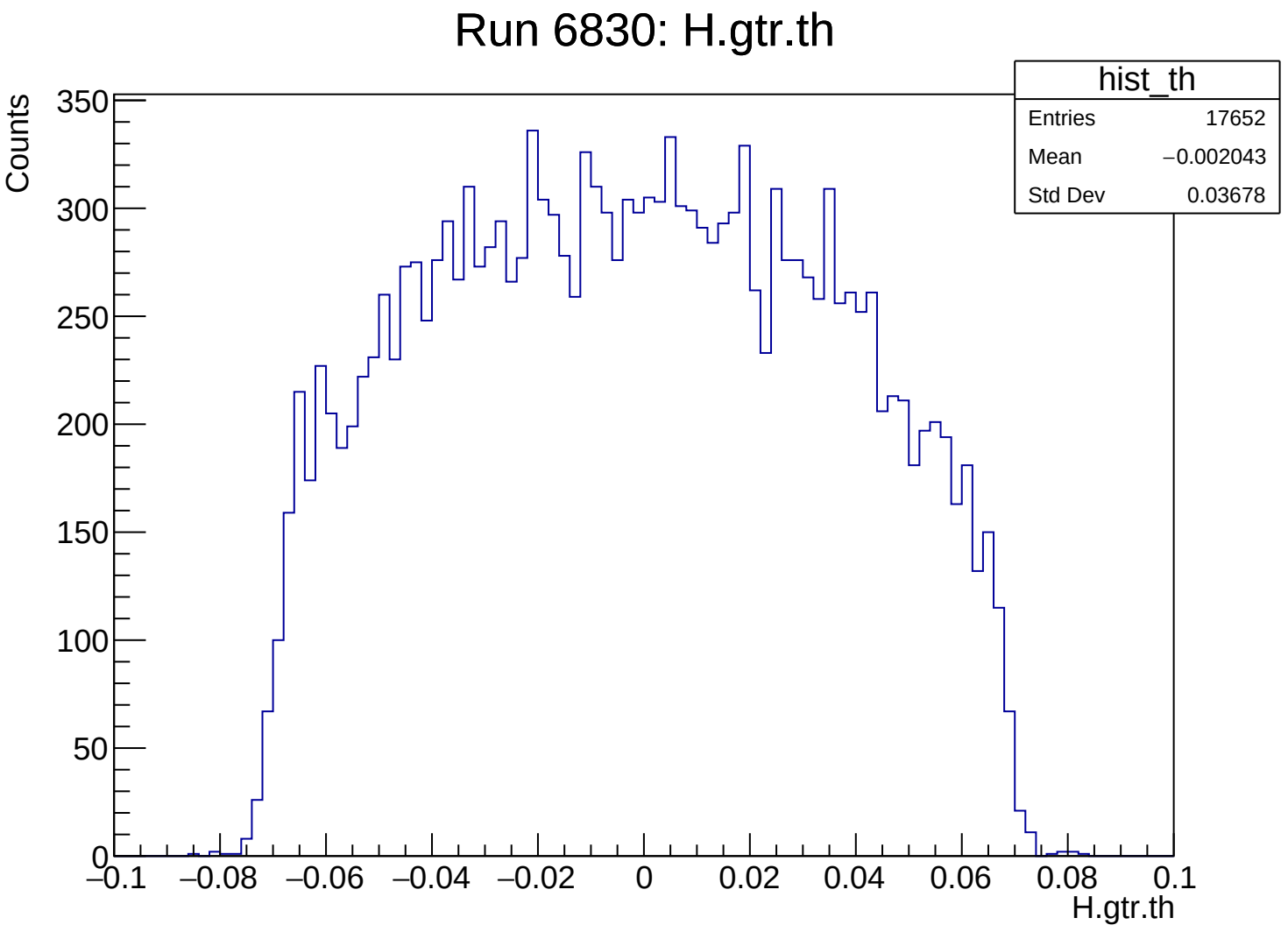

Run 6830: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 17652
Mean −2.705
Std Dev 0.3425
Counts
500
400
300
200
100
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

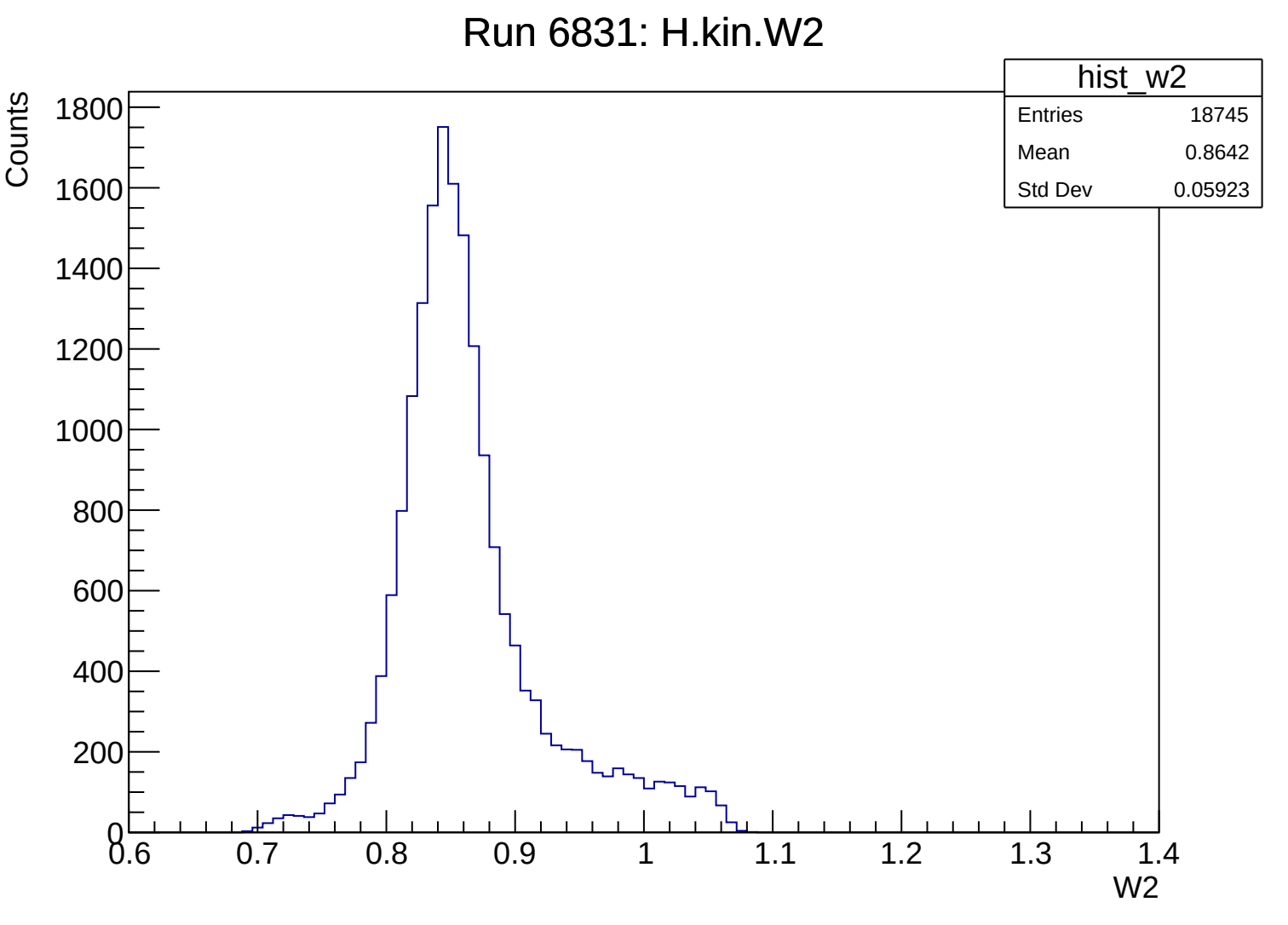

Run 6830: NPS.kin.secondary.pmiss
hist_pmiss
Entries 17652
Mean 2.7
Std Dev 0.3593
Counts
0
100
200
300
400
500
600
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

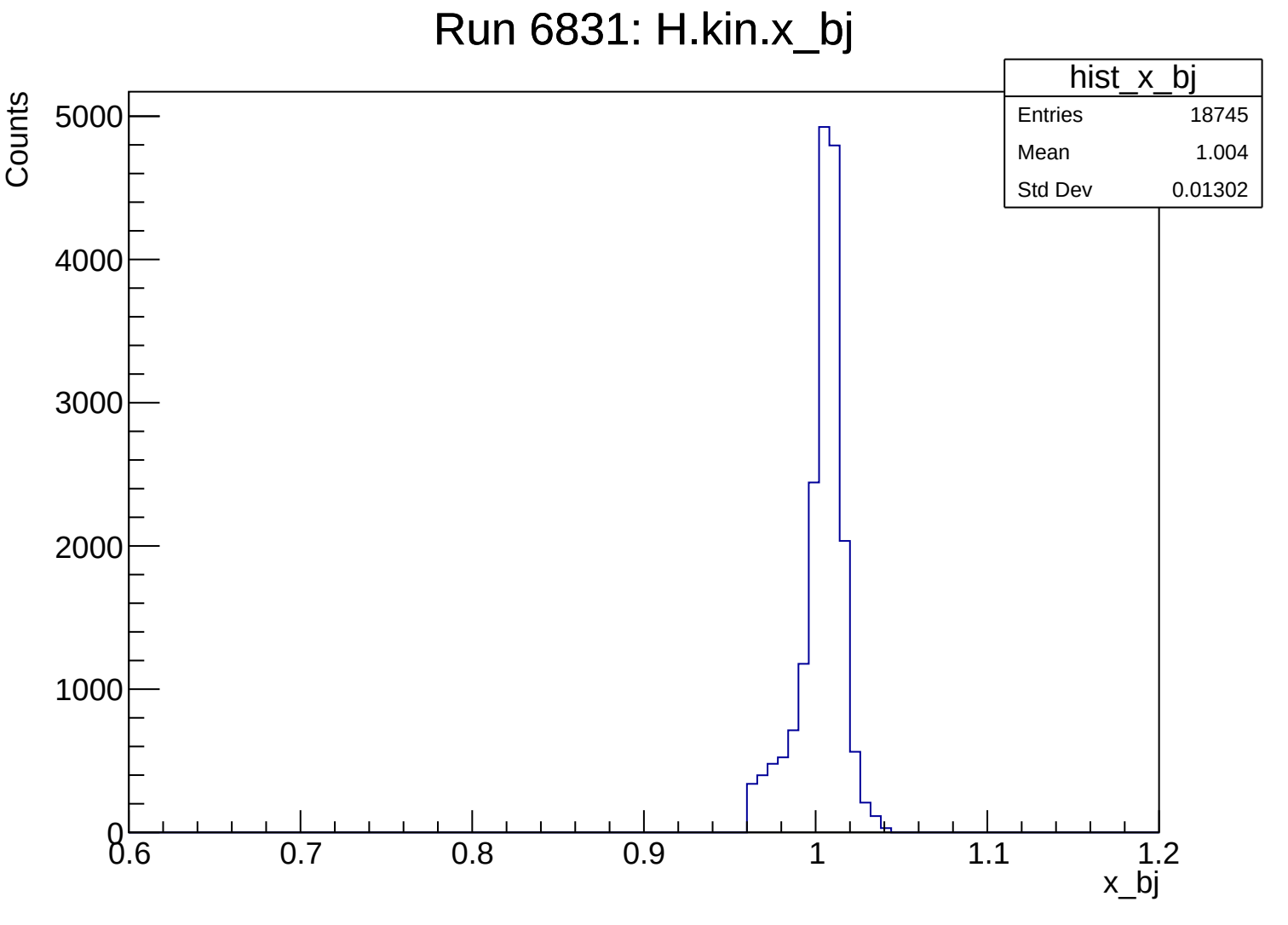

Run 6830: NPS.kin.secondary.emiss
hist_emiss
Entries 17652
Mean 2.818
Std Dev 0.3823
Counts
800
700
600
500
400
300
200
100
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

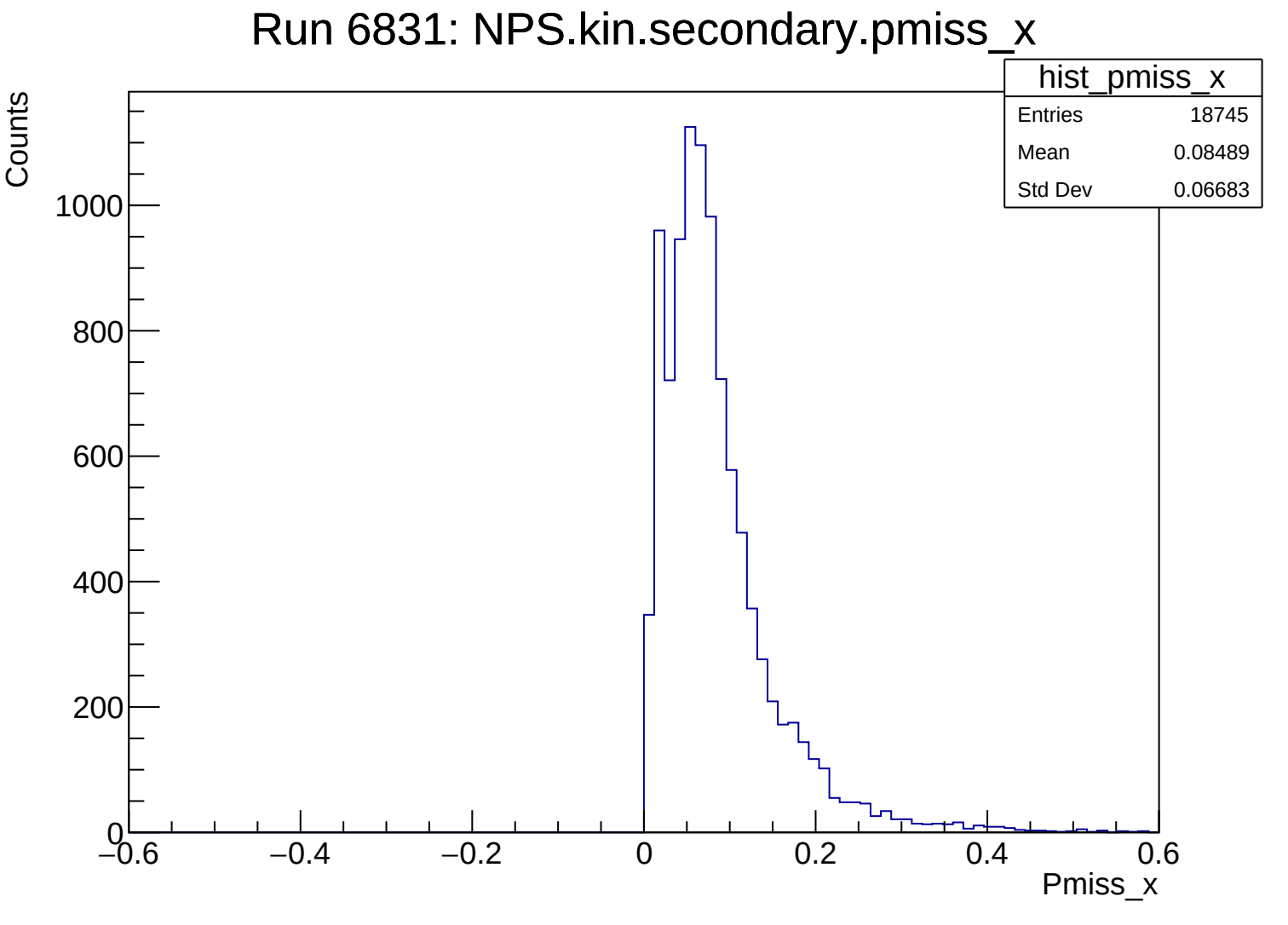

Run 6830: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 17652
Mean −0.006707
Std Dev 0.2075
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

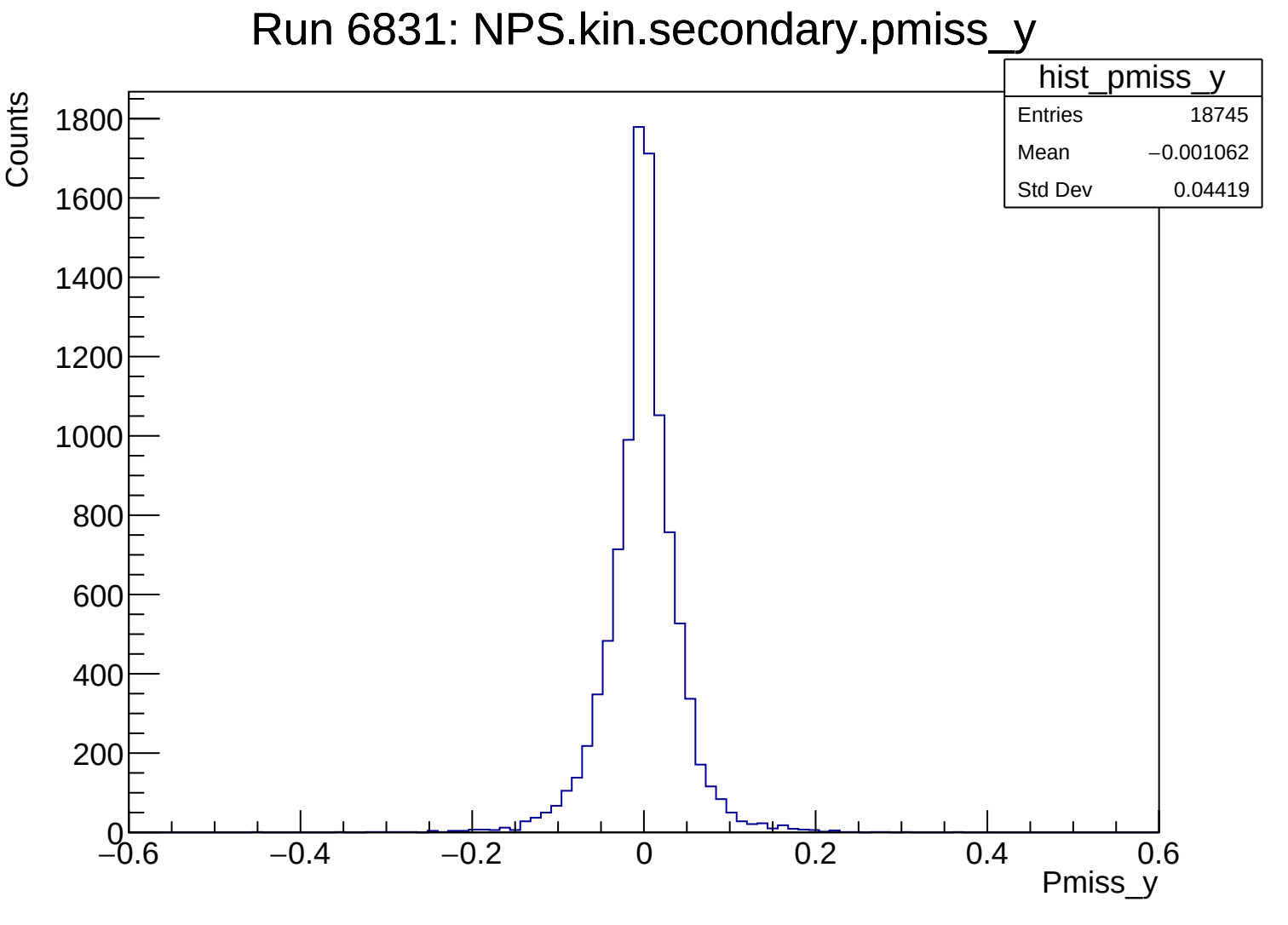

Run 6830: H.gtr.ph
hist_ph
Entries 17652
Mean 0.008857
Std Dev 0.01272
Counts
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

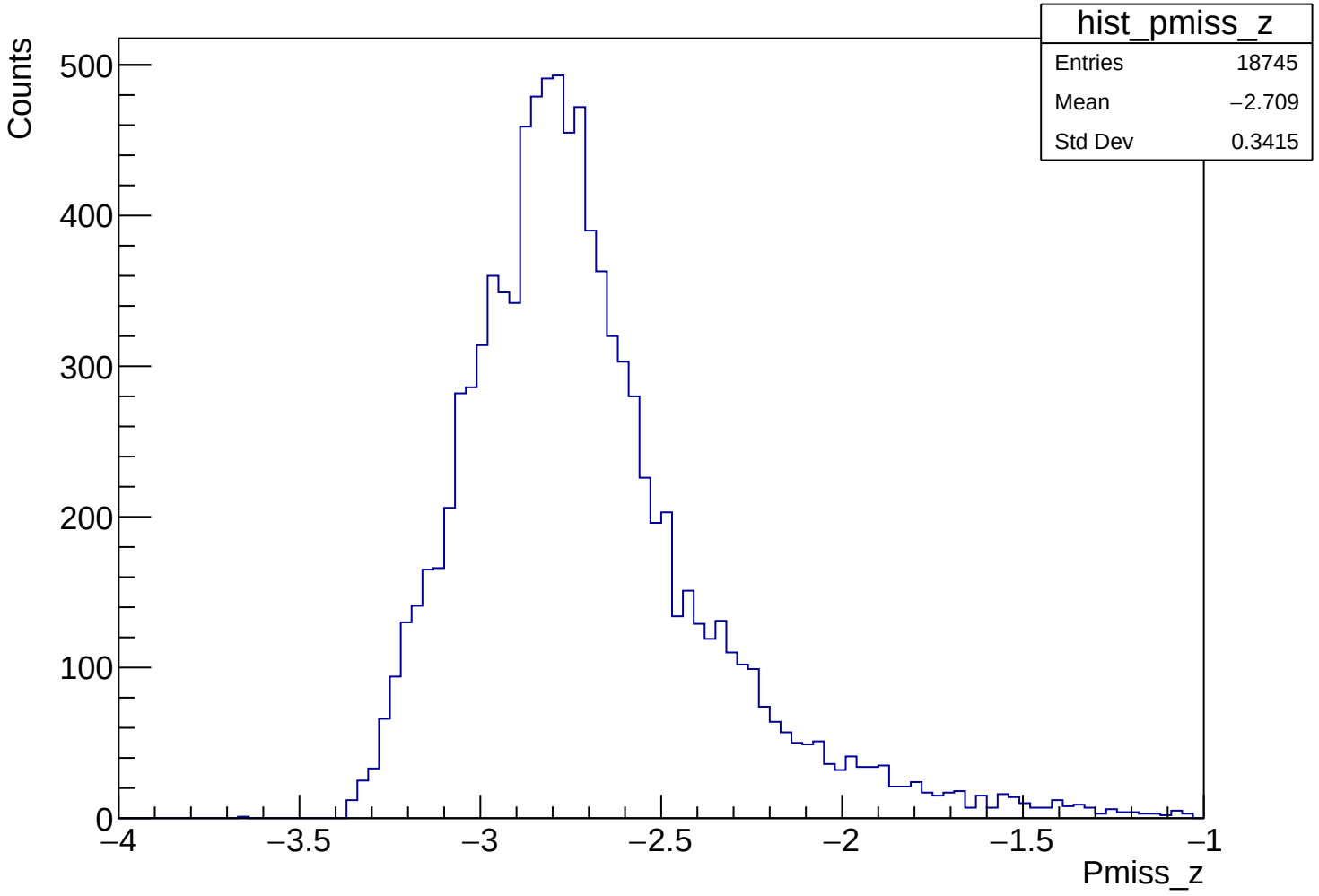

Run 6830: H.gtr.th
hist_th
Entries 17652
Mean −0.002043
Std Dev 0.03678
Counts
350
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

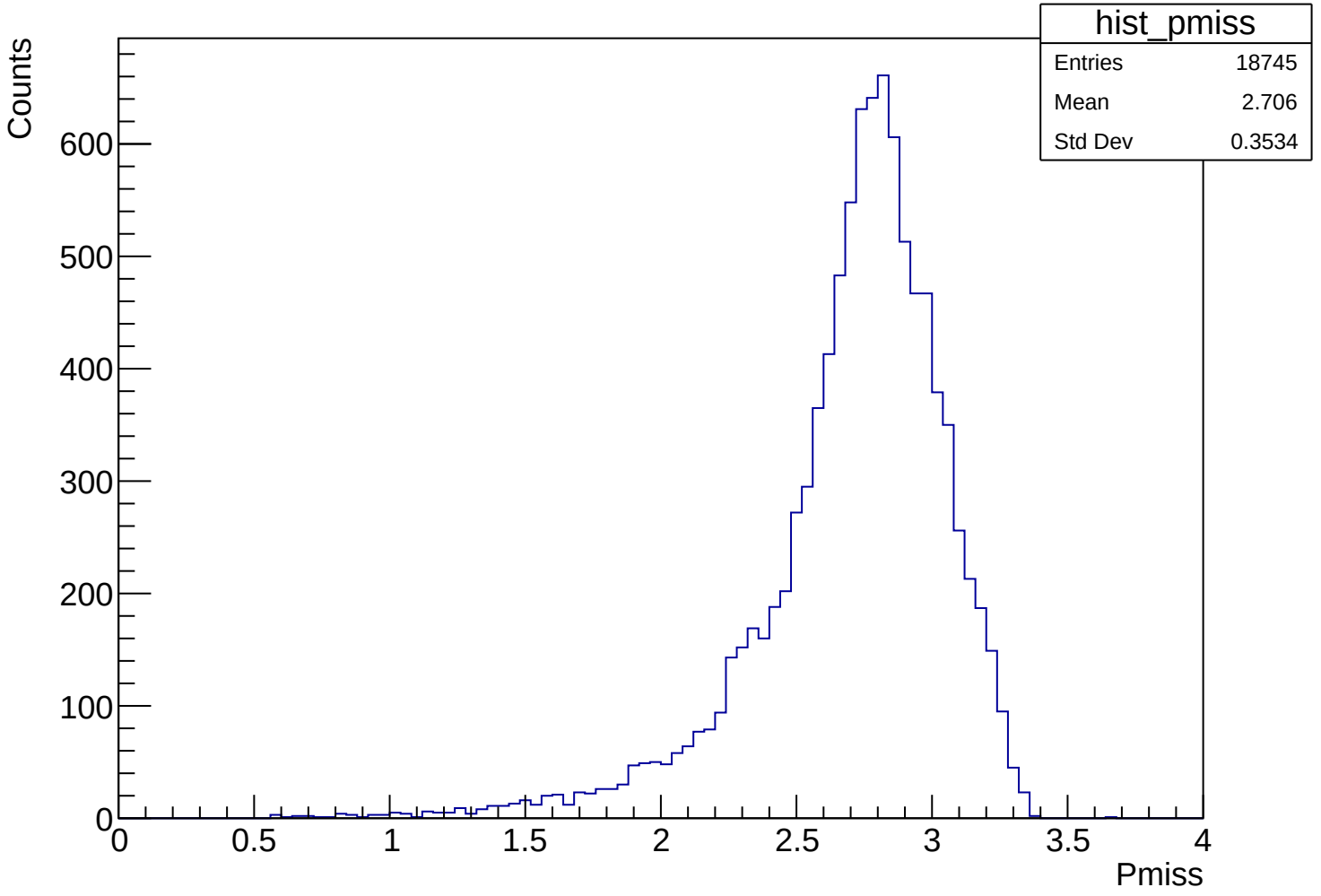

Run 6831: H.kin.W2
hist_w2
Entries 18745
Mean 0.8642
Std Dev 0.05923
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

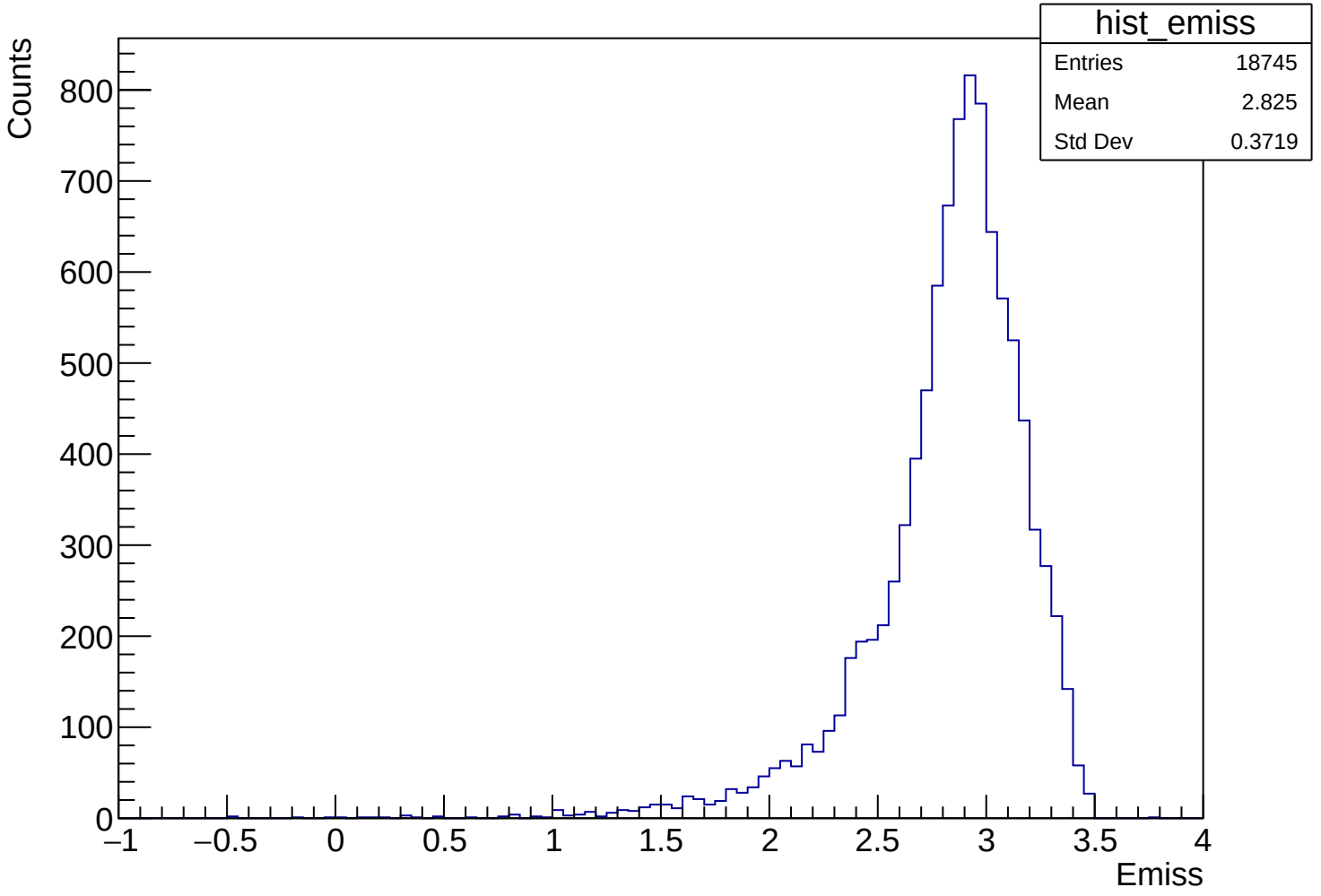

Run 6831: H.kin.x_bj
hist_x_bj
Entries 18745
Mean 1.004
Std Dev 0.01302
Counts
5000
4000
3000
2000
1000
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

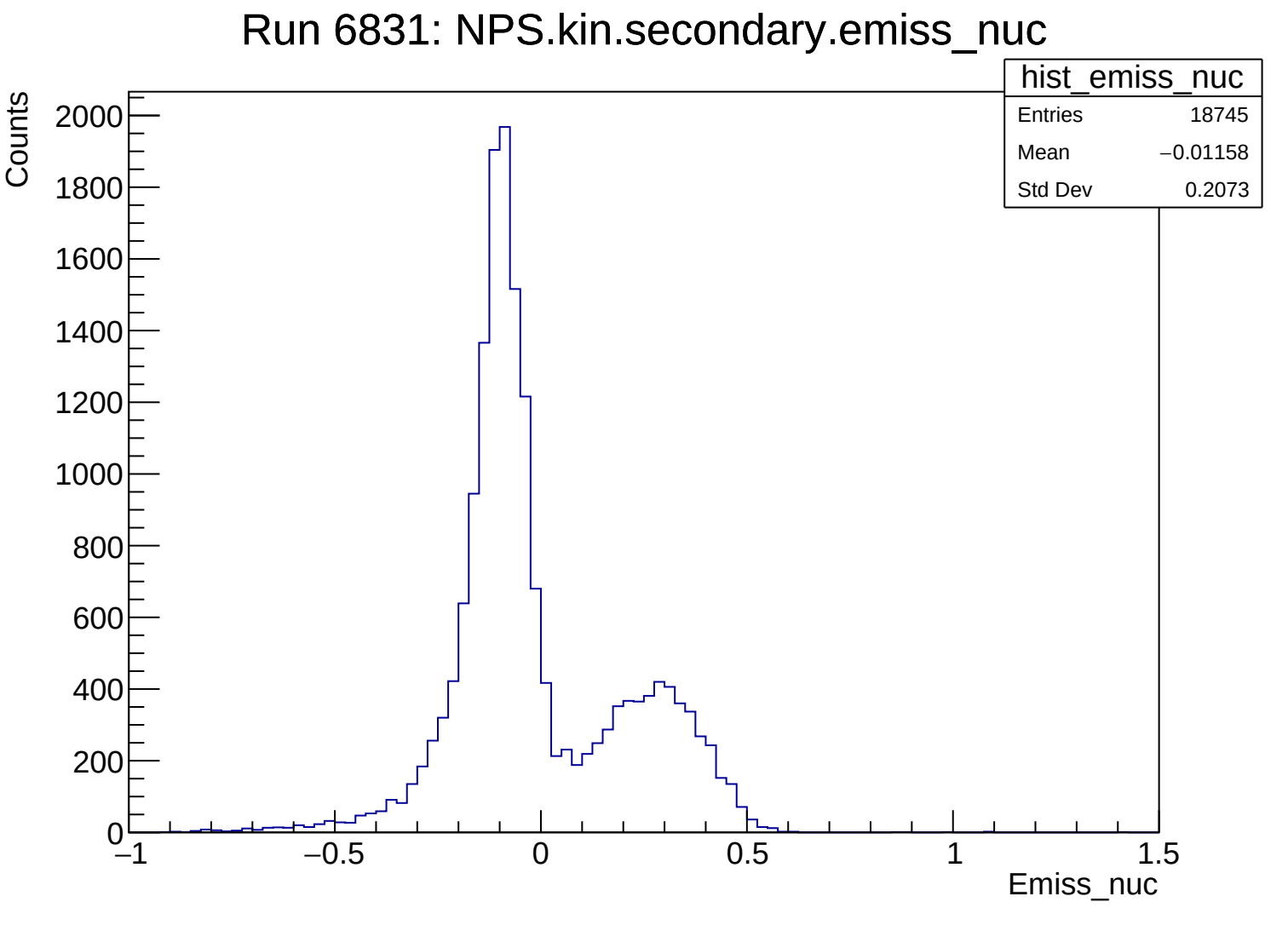

Run 6831: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 18745
Mean 0.08489
Std Dev 0.06683
Counts
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

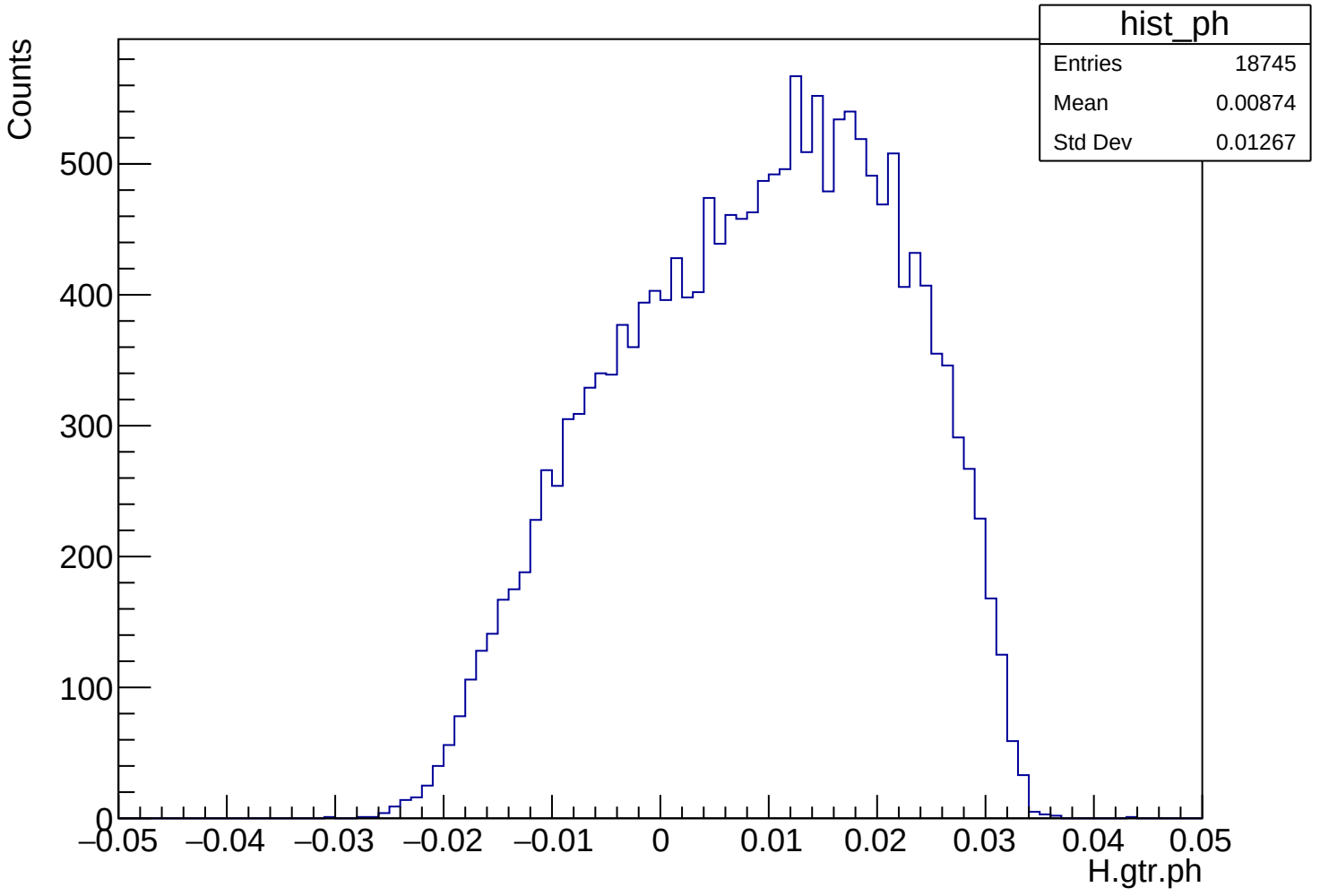

Run 6831: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 18745
Mean −0.001062
Std Dev 0.04419
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

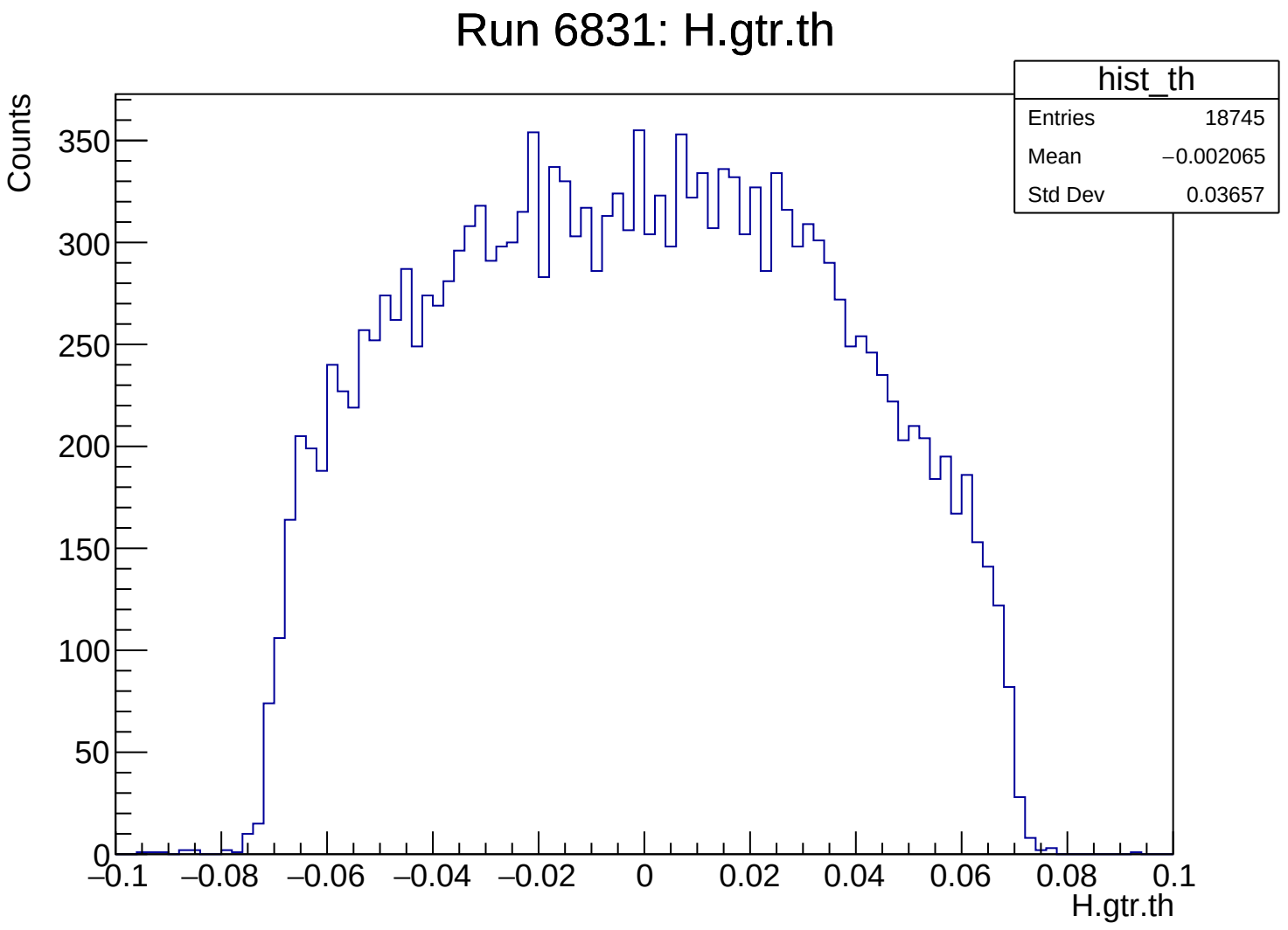

Run 6831: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 18745
Mean −2.709
Std Dev 0.3415
Counts
500
400
300
200
100
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

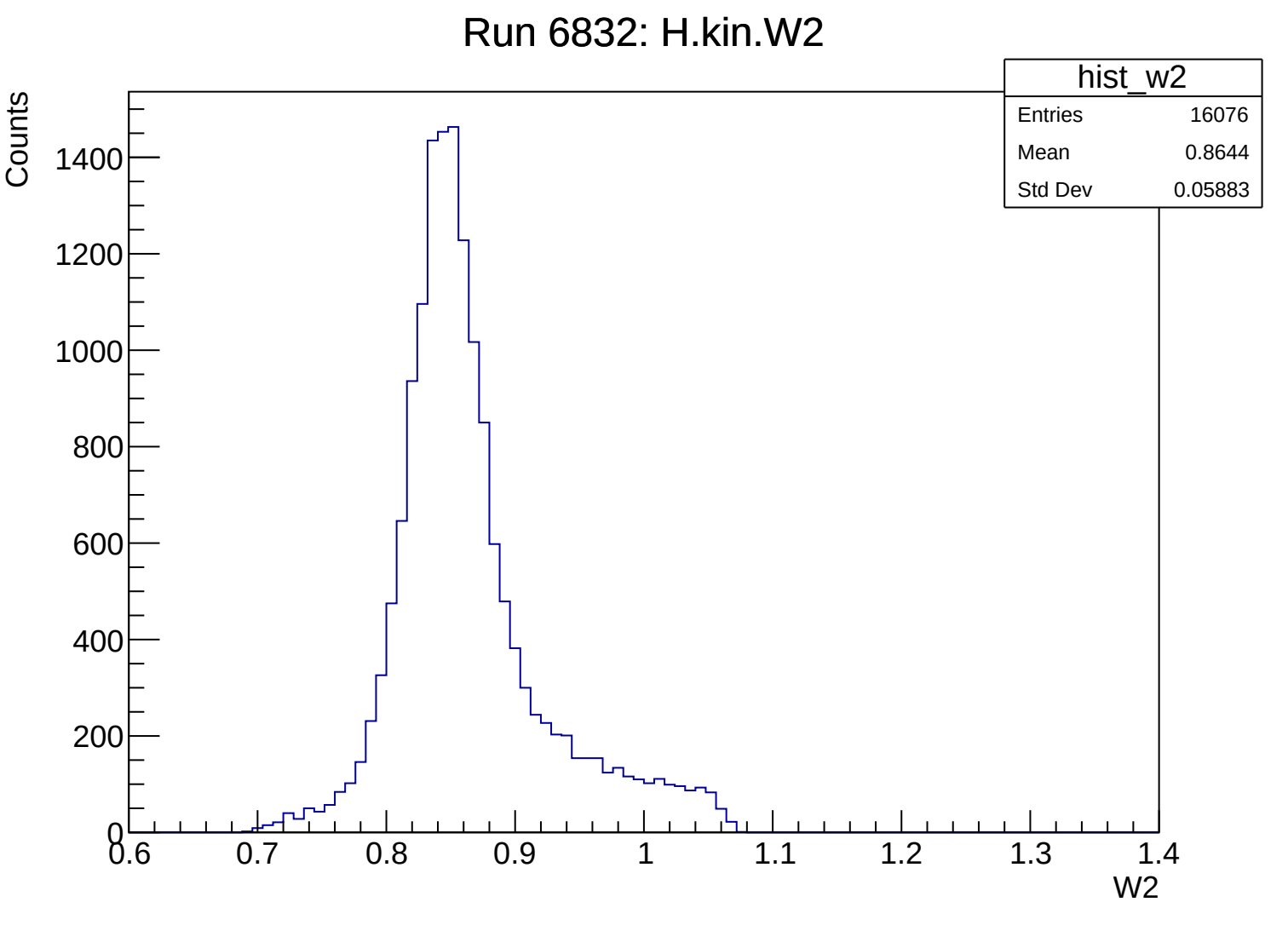

Run 6831: NPS.kin.secondary.pmiss
hist_pmiss
Entries 18745
Mean 2.706
Std Dev 0.3534
Counts
0
100
200
300
400
500
600
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

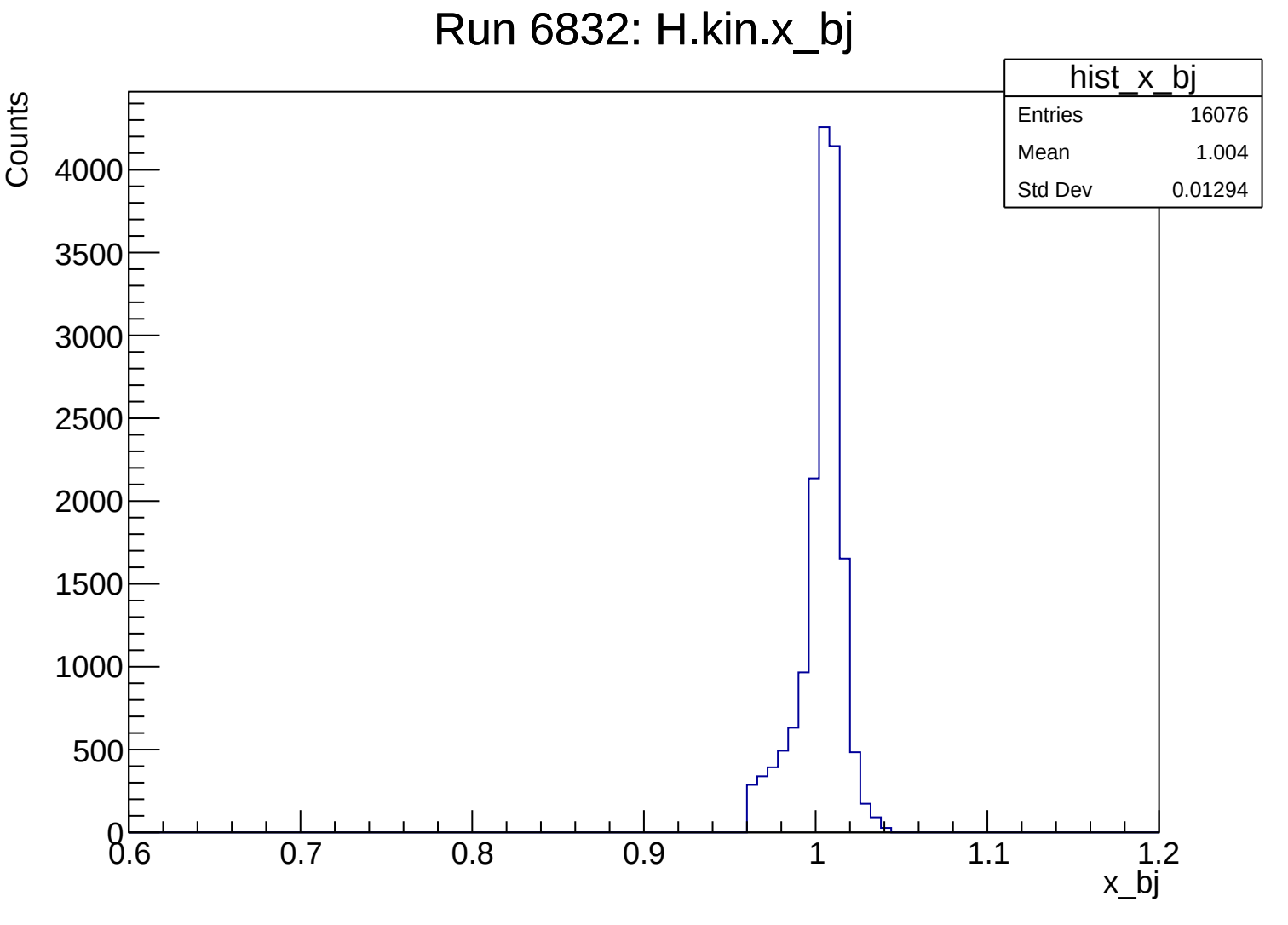

Run 6831: NPS.kin.secondary.emiss
hist_emiss
Entries 18745
Mean 2.825
Std Dev 0.3719
Counts
800
700
600
500
400
300
200
100
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

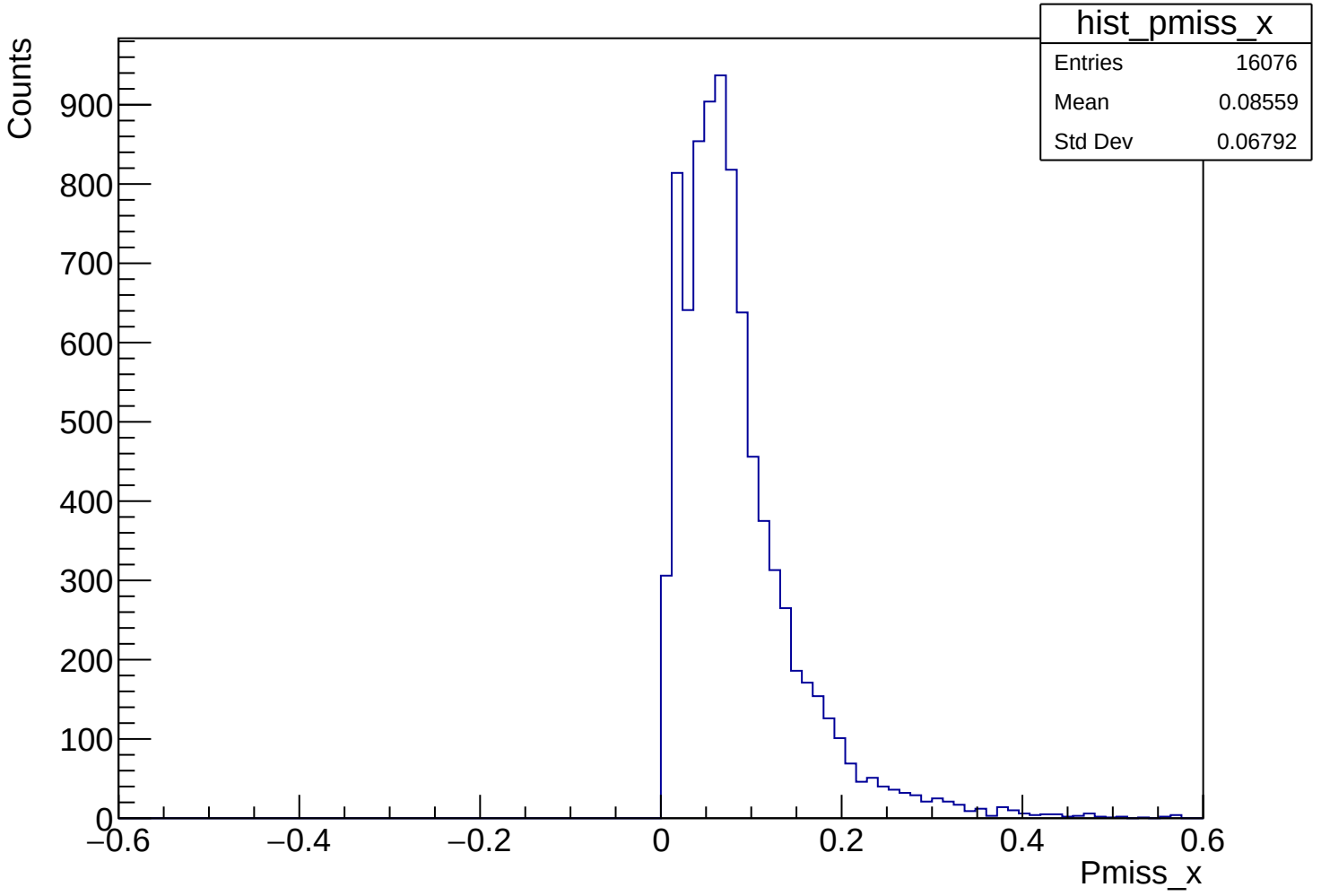

Run 6831: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 18745
Mean −0.01158
Std Dev 0.2073
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

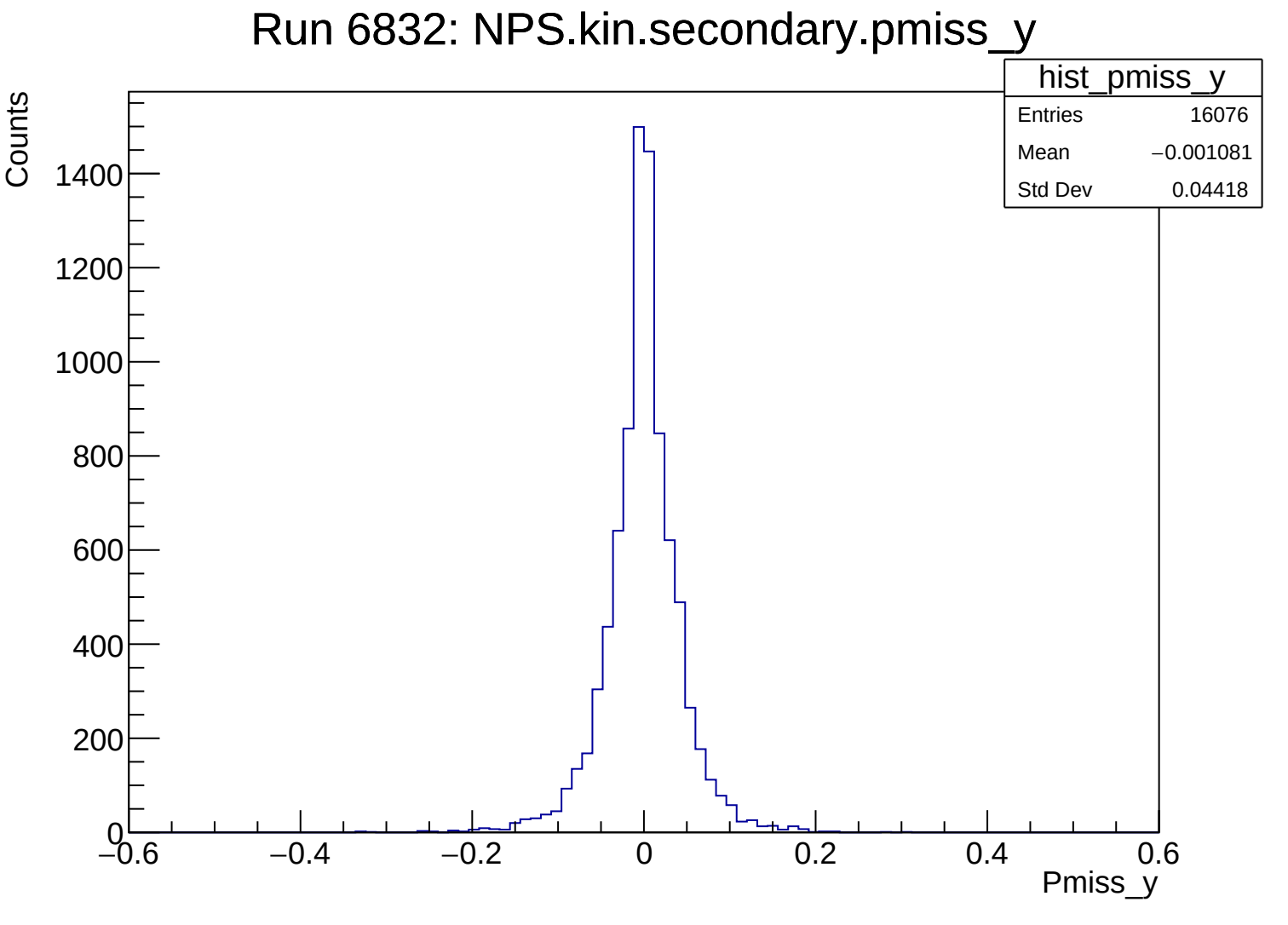

Run 6831: H.gtr.ph
hist_ph
Entries 18745
Mean 0.00874
Std Dev 0.01267
Counts
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

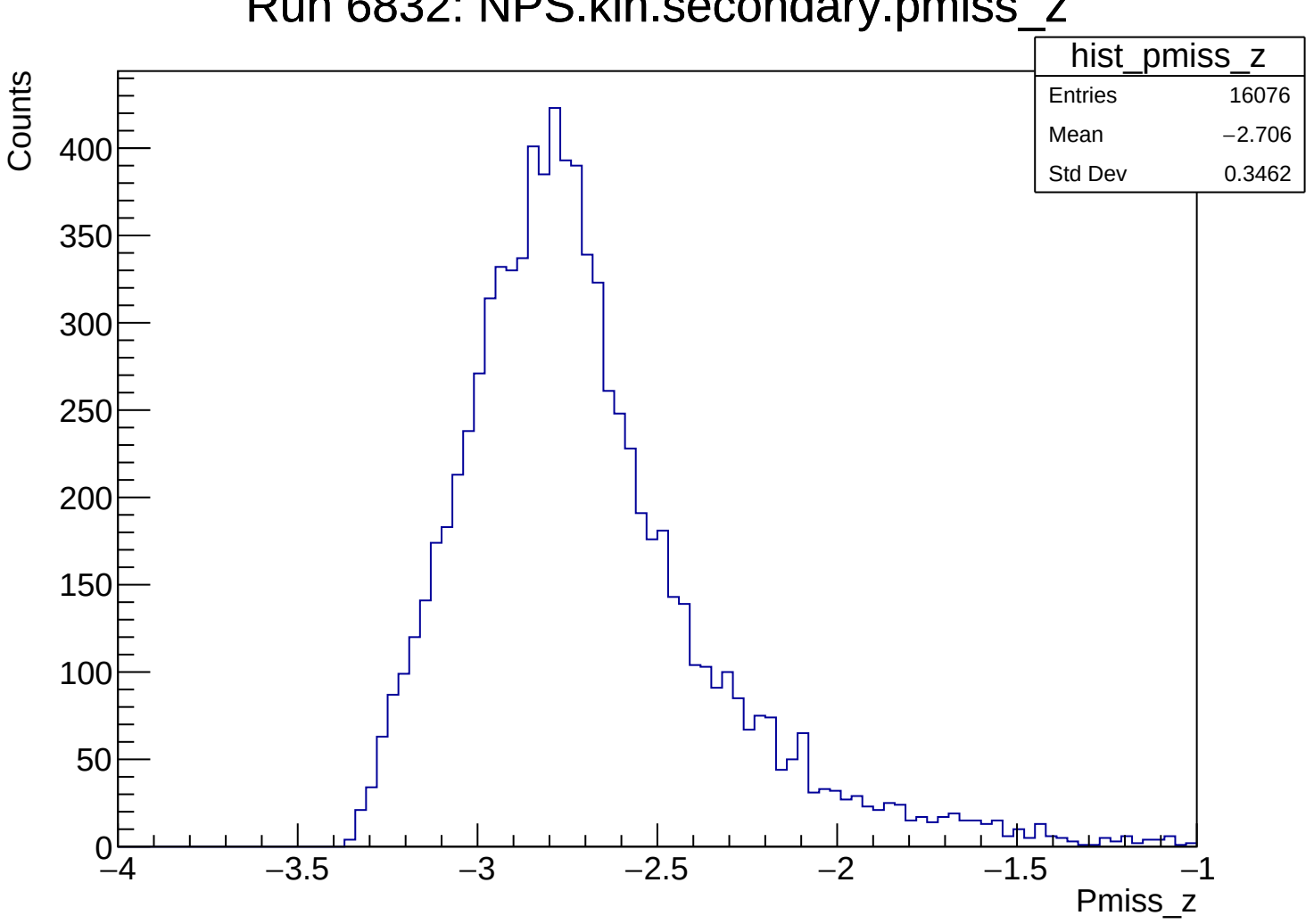

Run 6831: H.gtr.th
hist_th
Entries 18745
Mean −0.002065
Std Dev 0.03657
Counts
350
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

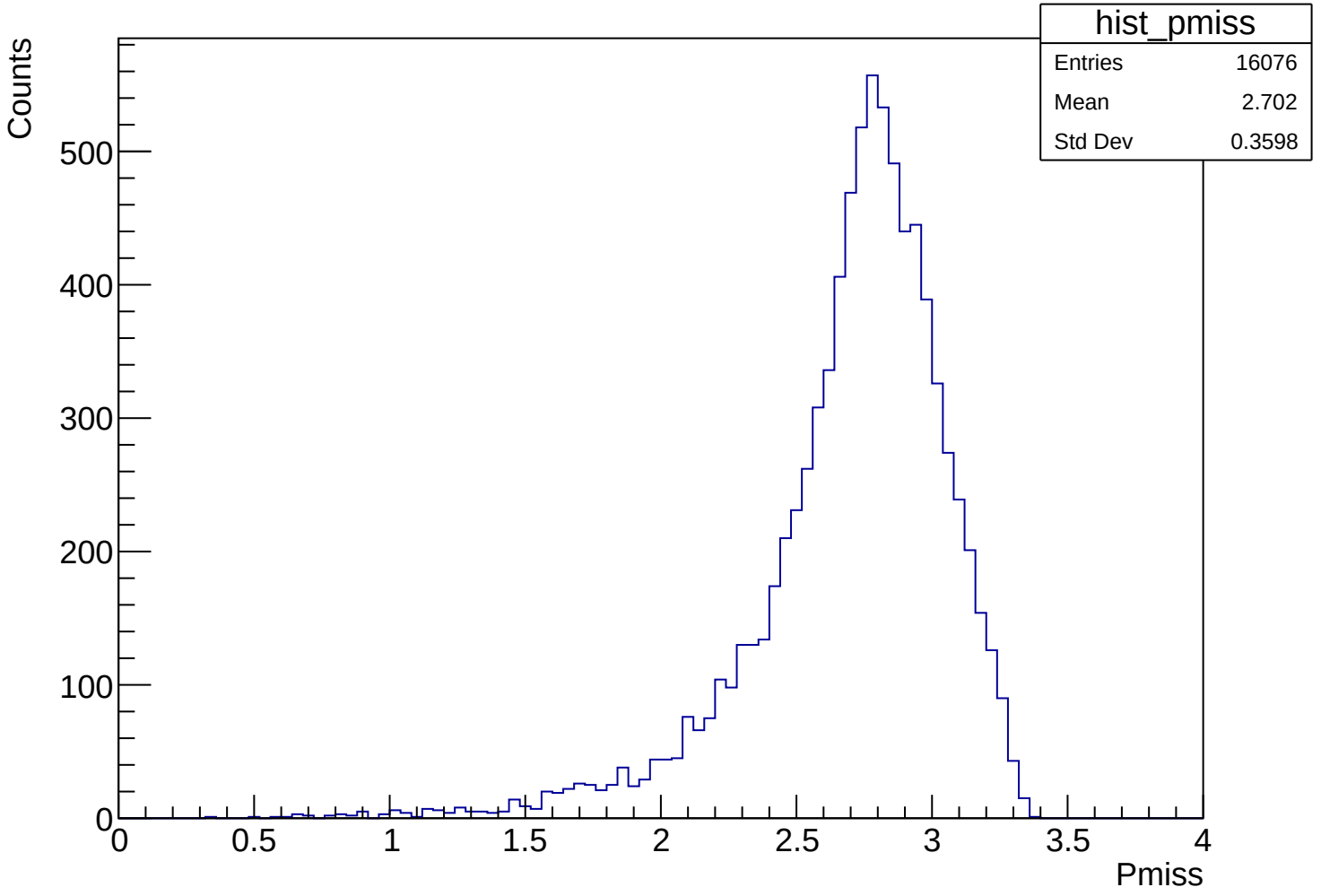

Run 6832: H.kin.W2
hist_w2
Entries 16076
Mean 0.8644
Std Dev 0.05883
Counts
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

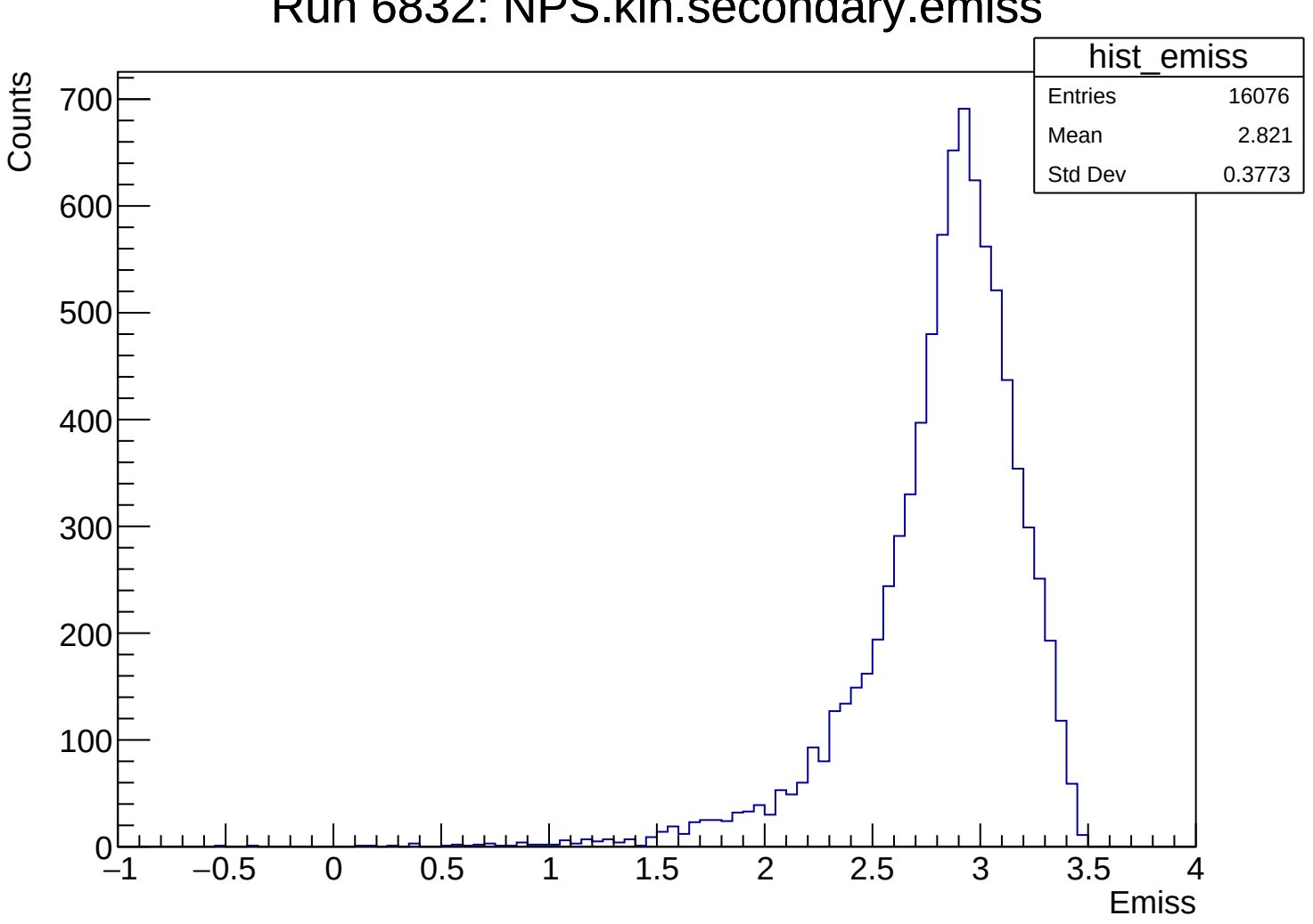

Run 6832: H.kin.x_bj
hist_x_bj
Entries 16076
Mean 1.004
Std Dev 0.01294
Counts
4000
3500
3000
2500
2000
1500
1000
500
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

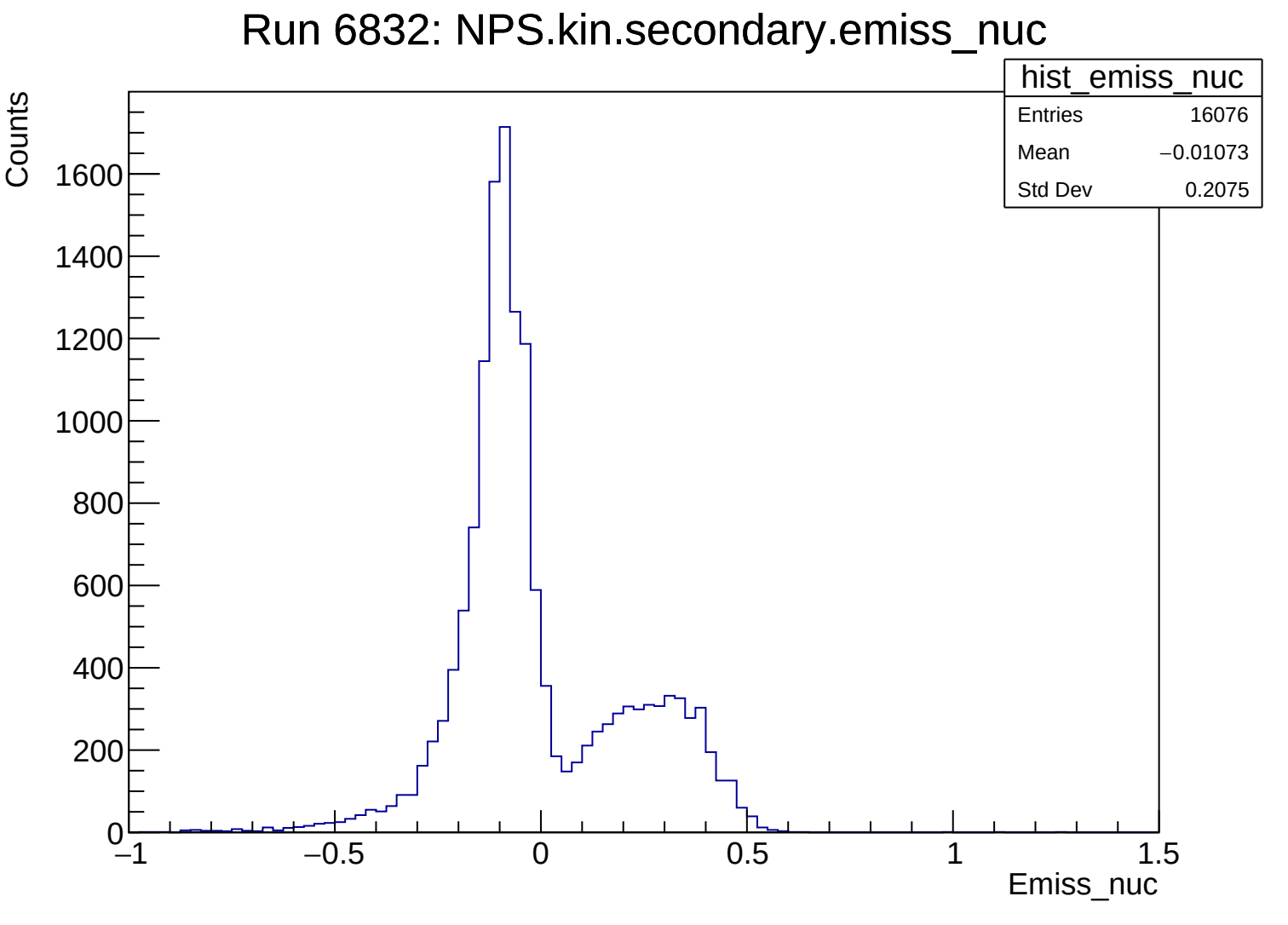

Run 6832: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 16076
Mean 0.08559
Std Dev 0.06792
Counts
900
800
700
600
500
400
300
200
100
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

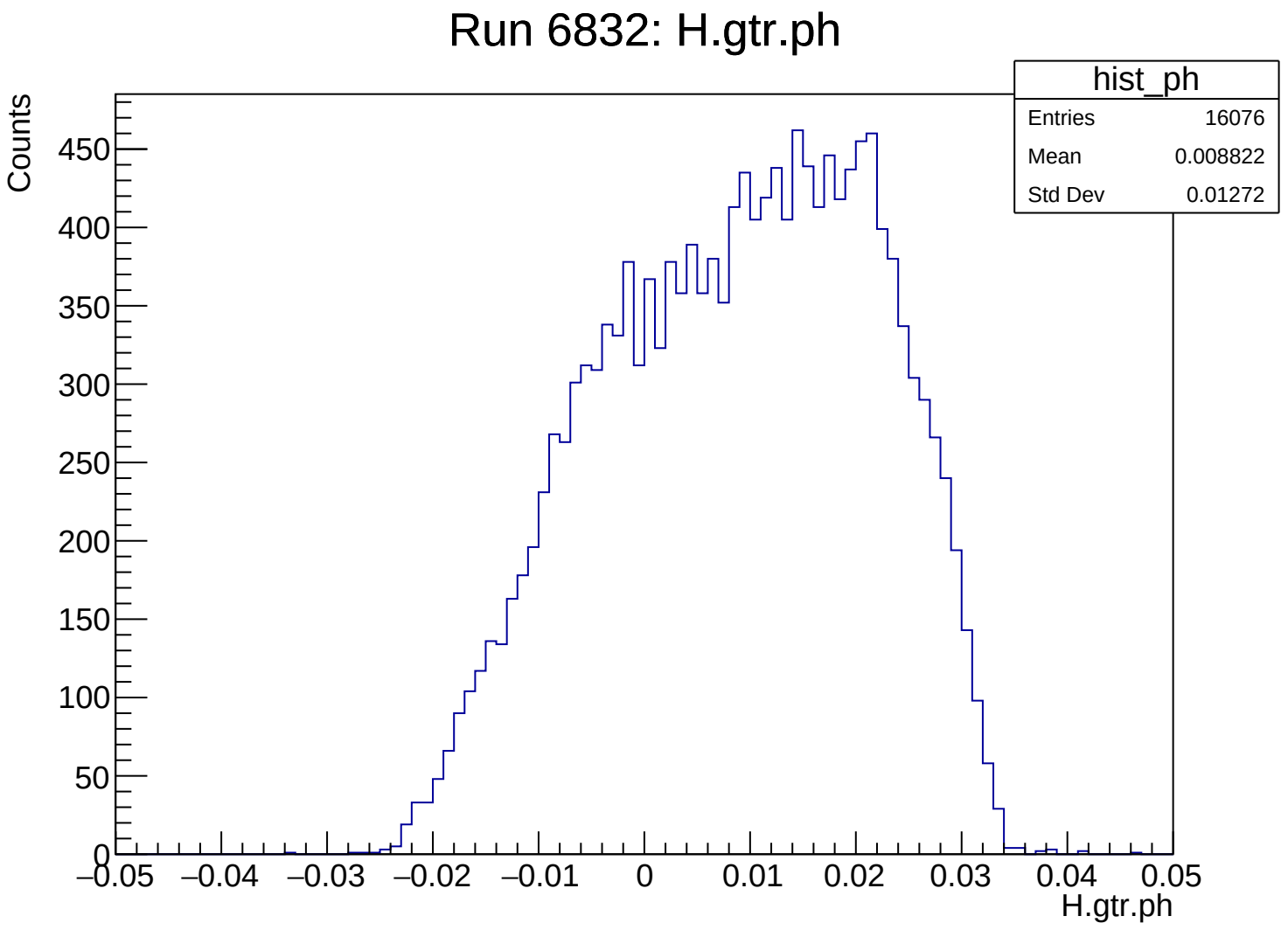

Run 6832: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 16076
Mean −0.001081
Std Dev 0.04418
Counts
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

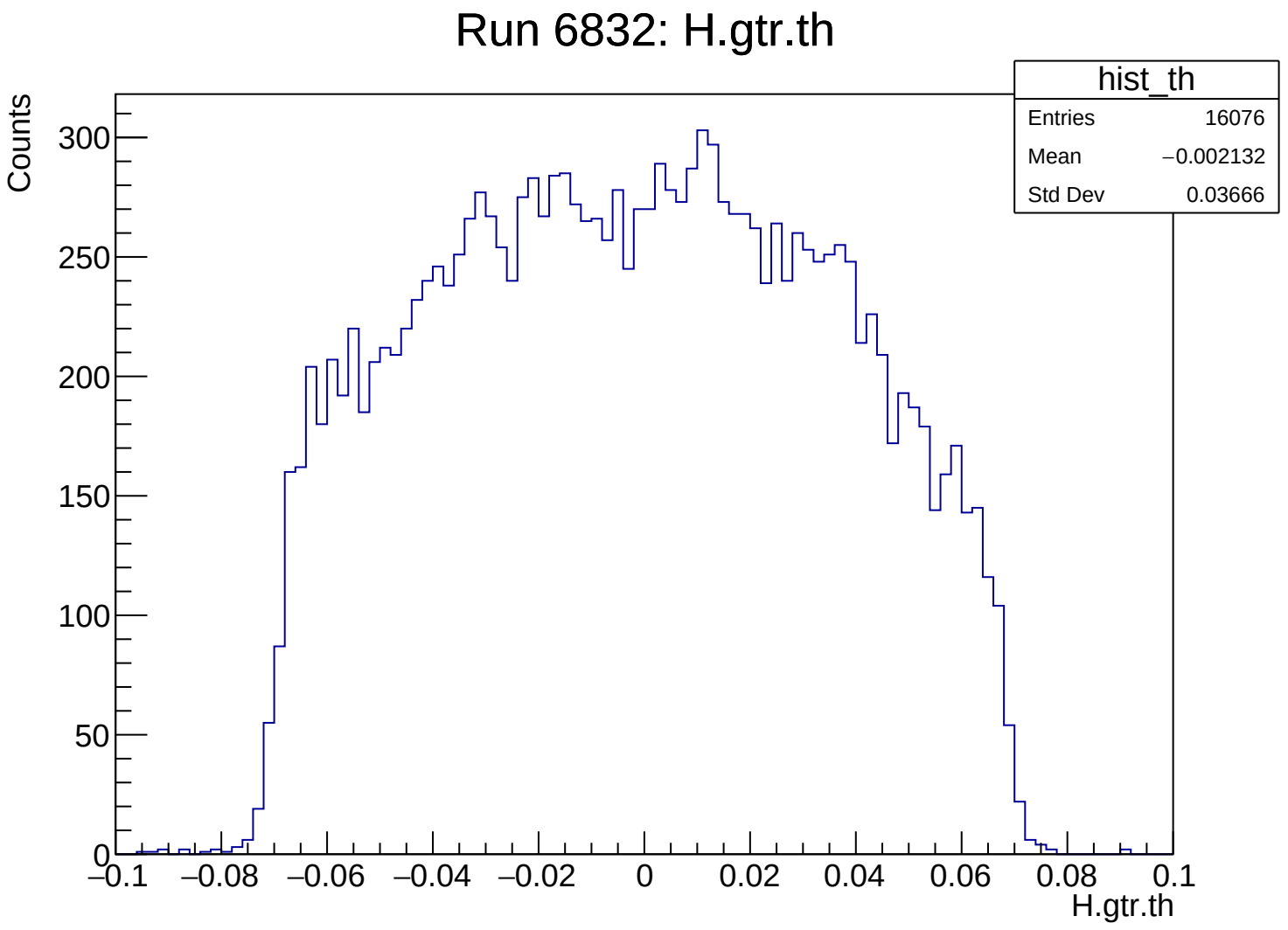

Run 6832: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 16076
Mean −2.706
Std Dev 0.3462
Counts
0
50
100
150
200
250
300
350
400
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

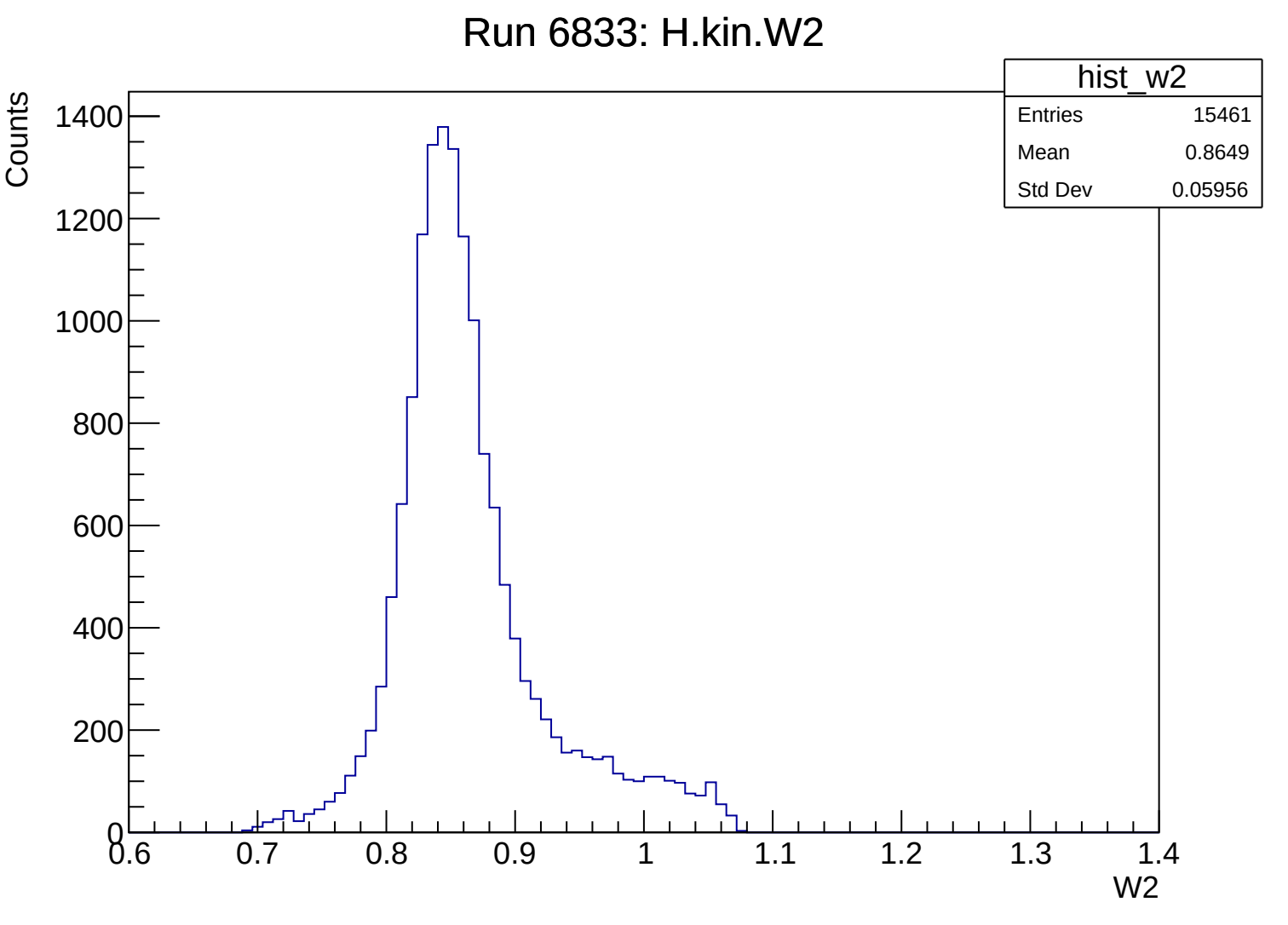

Run 6832: NPS.kin.secondary.pmiss
hist_pmiss
Entries 16076
Mean 2.702
Std Dev 0.3598
Counts
0
100
200
300
400
500
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

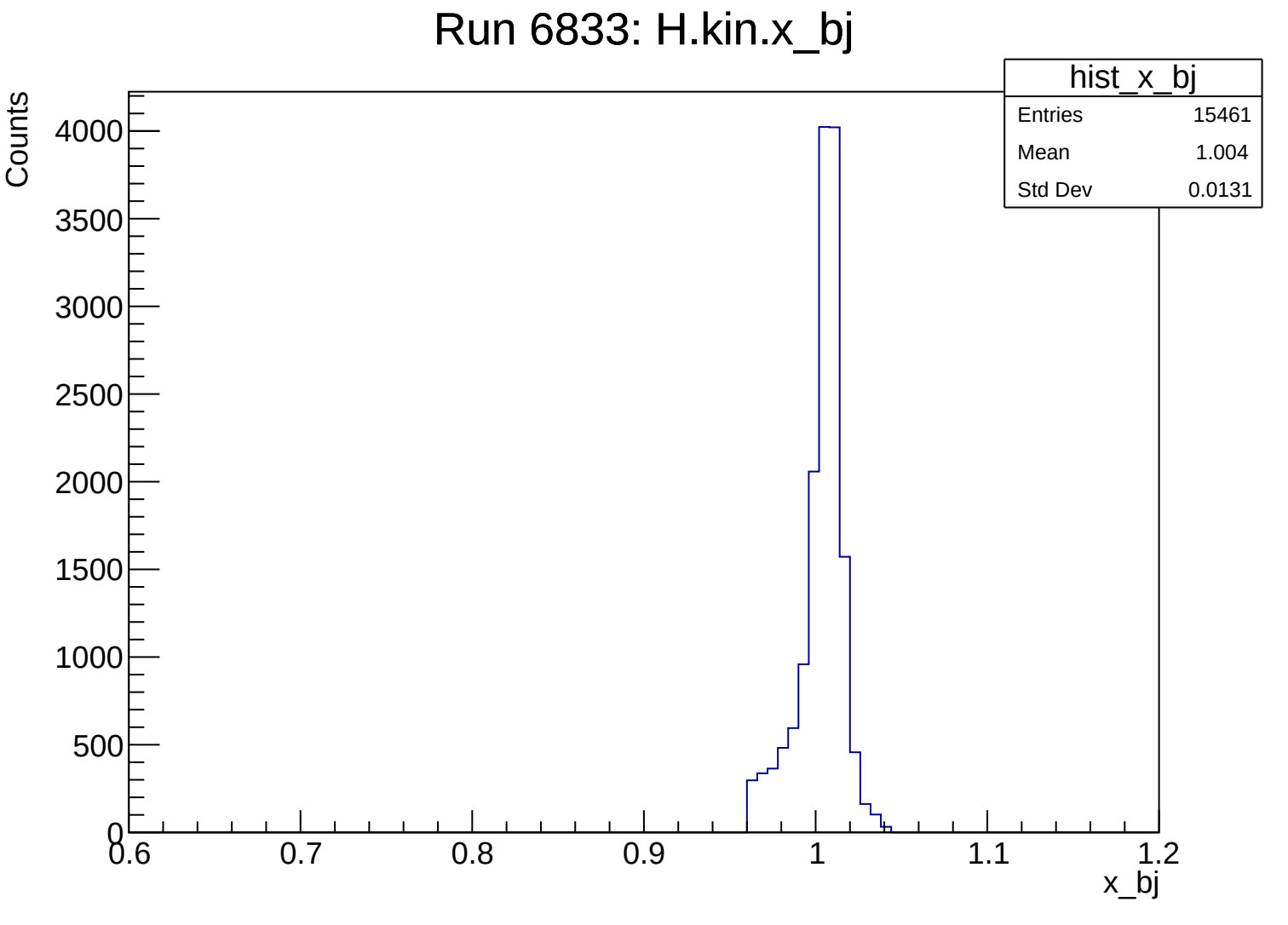

Run 6832: NPS.kin.secondary.emiss
hist_emiss
Entries 16076
Mean 2.821
Std Dev 0.3773
Counts
0
100
200
300
400
500
600
700
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

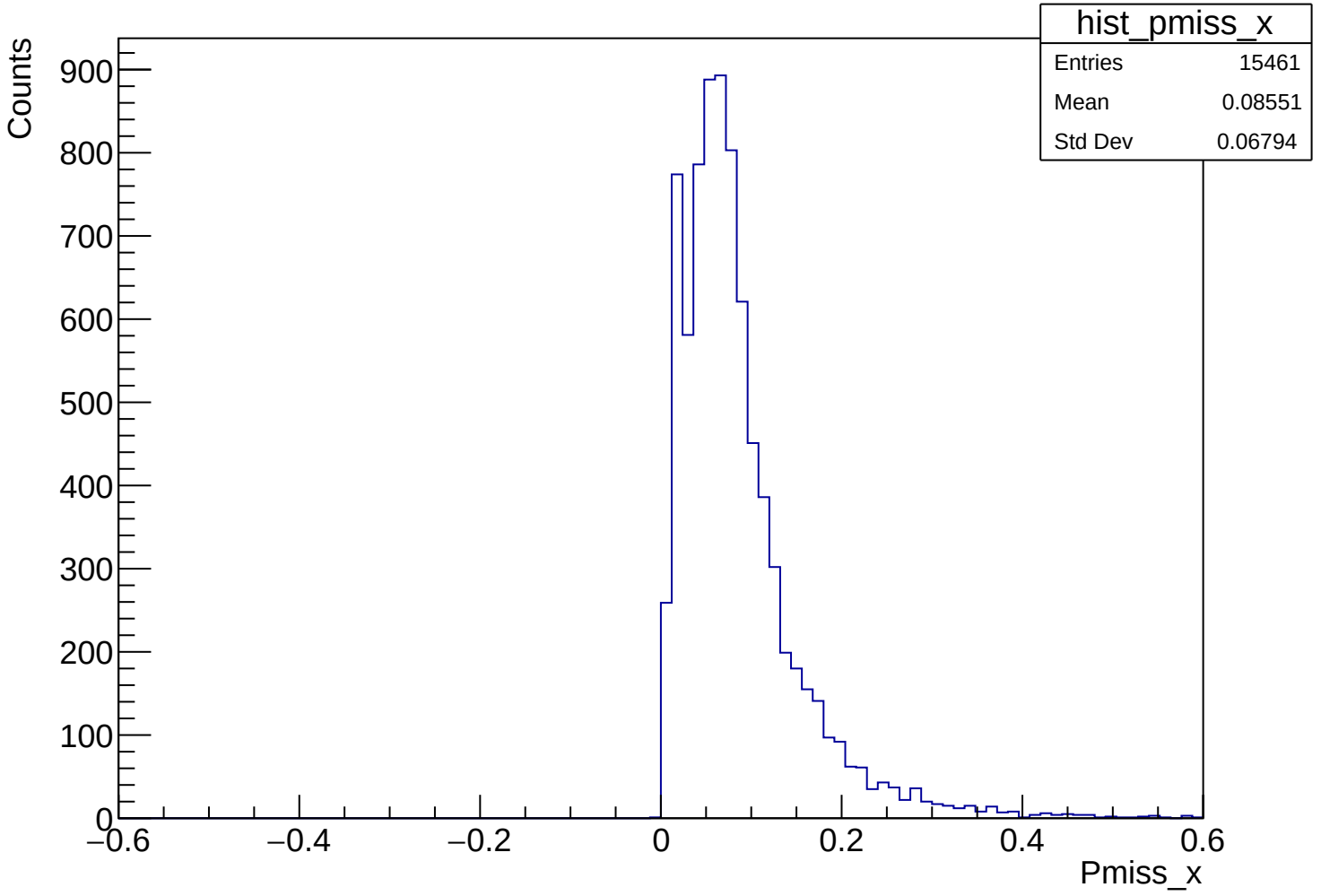

Run 6832: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 16076
Mean −0.01073
Std Dev 0.2075
Counts
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

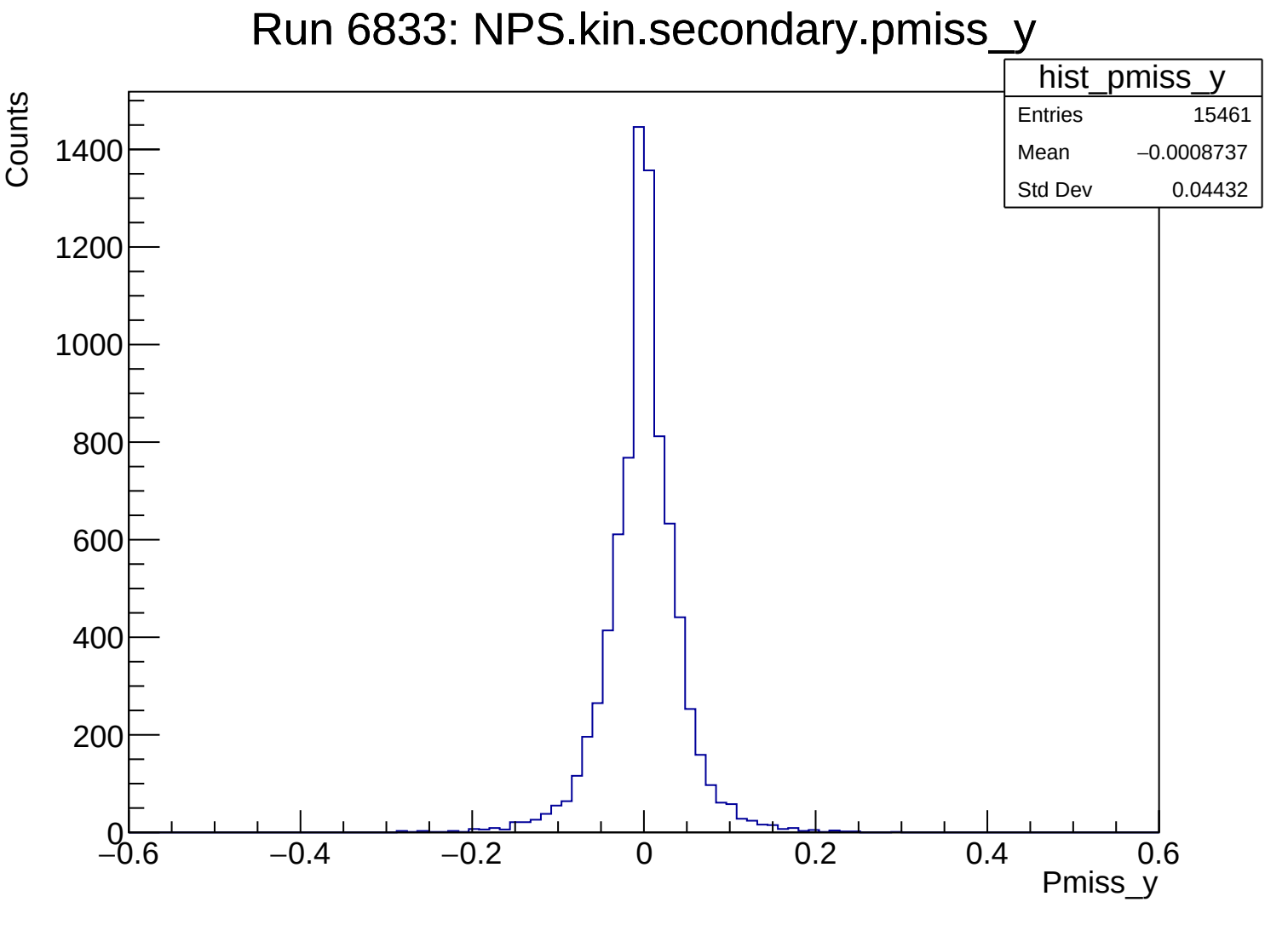

Run 6832: H.gtr.ph
hist_ph
Entries 16076
Mean 0.008822
Std Dev 0.01272
Counts
450
400
350
300
250
200
150
100
50
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

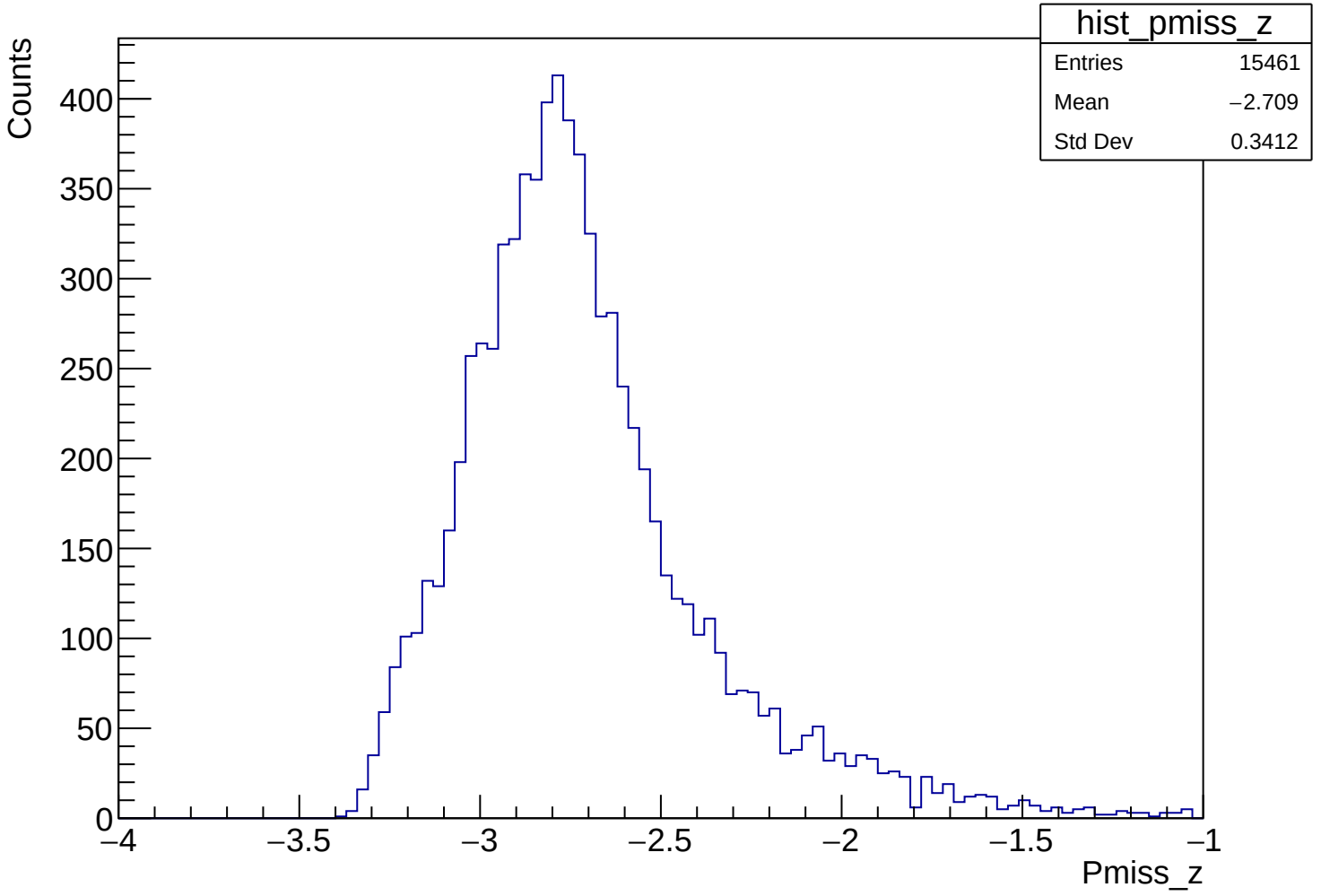

Run 6832: H.gtr.th
hist_th
Entries 16076
Mean −0.002132
Std Dev 0.03666
Counts
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

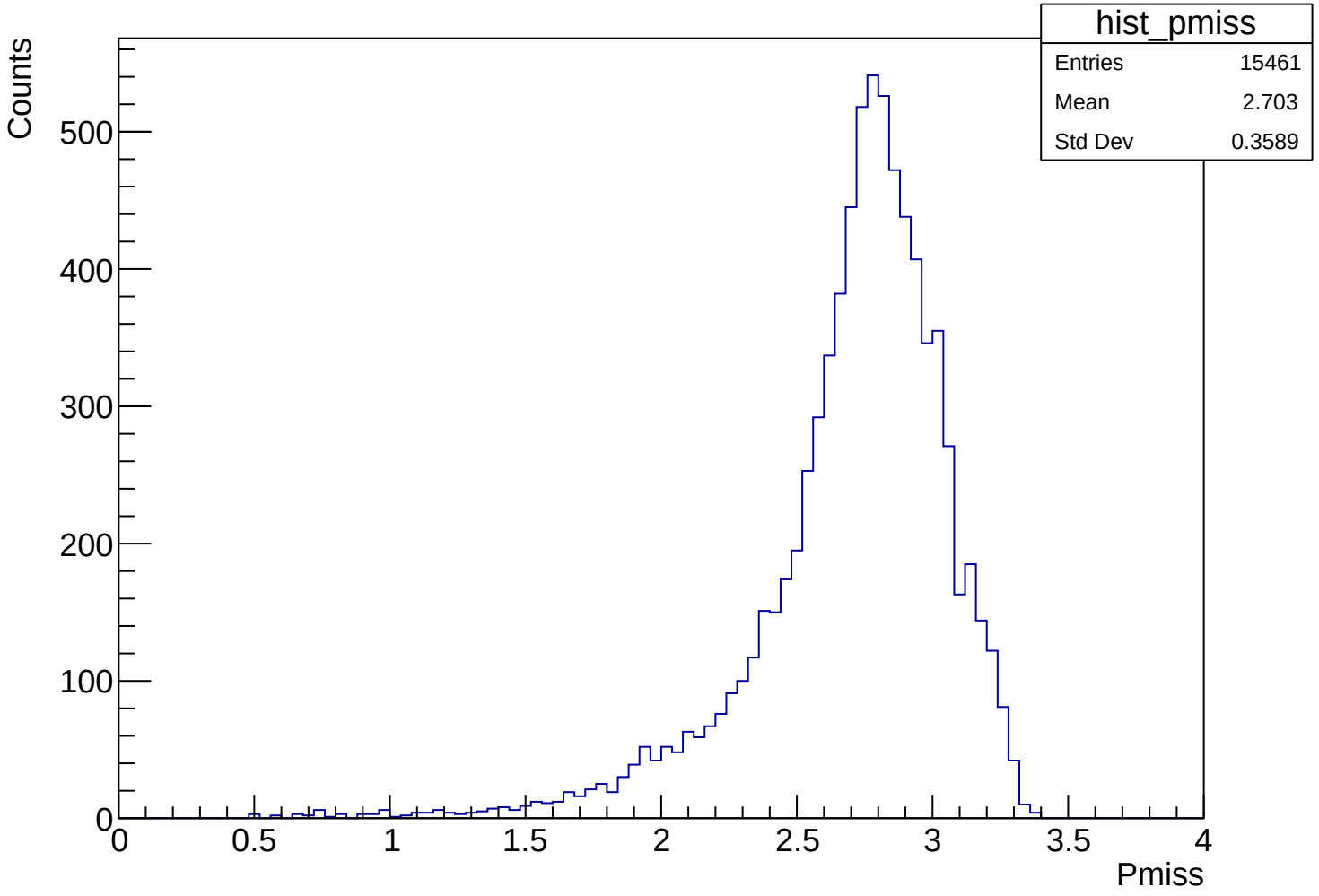

Run 6833: H.kin.W2
hist_w2
Entries 15461
Mean 0.8649
Std Dev 0.05956
Counts
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

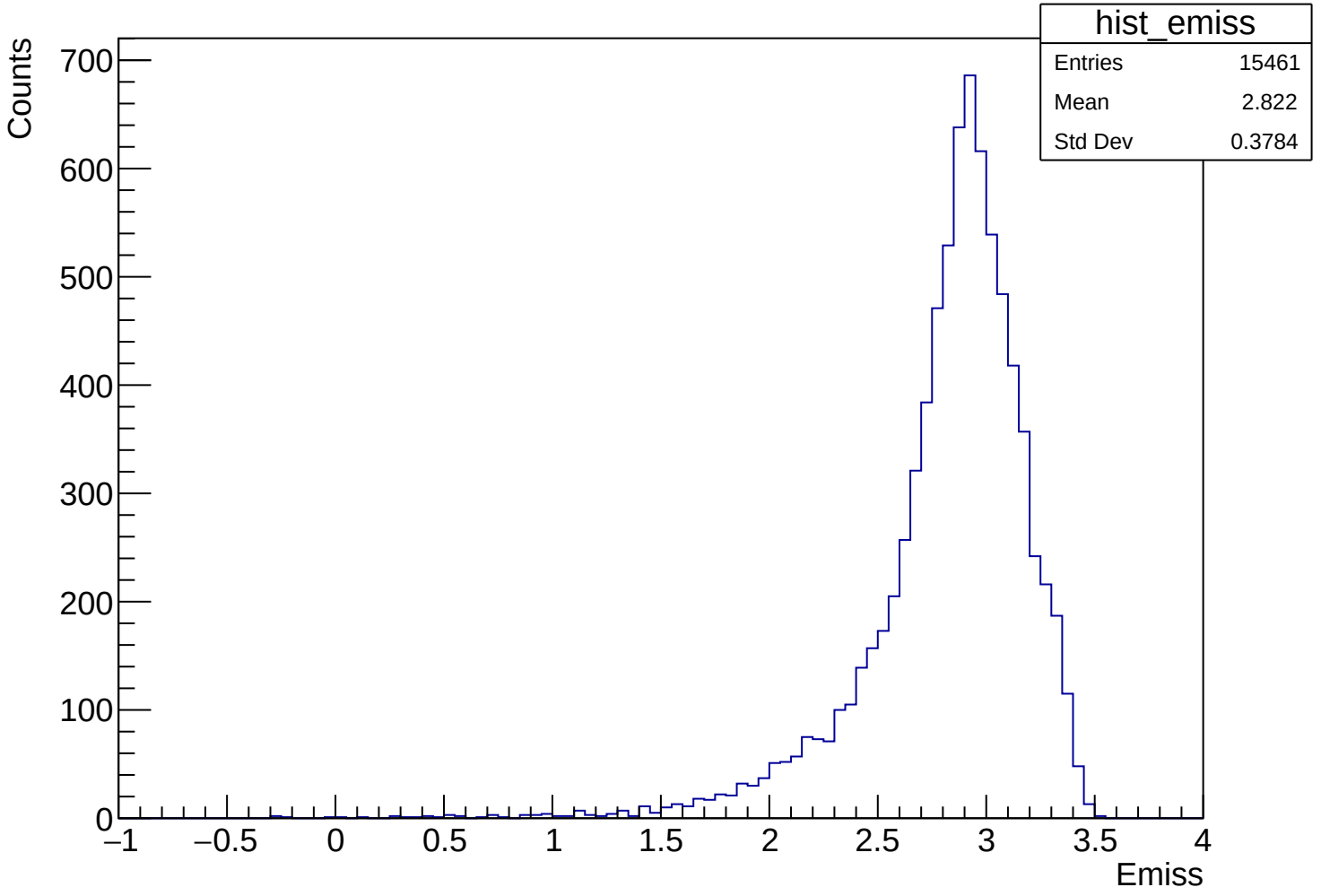

Run 6833: H.kin.x_bj
hist_x_bj
Entries 15461
Mean 1.004
Std Dev 0.0131
Counts
4000
3500
3000
2500
2000
1500
1000
500
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

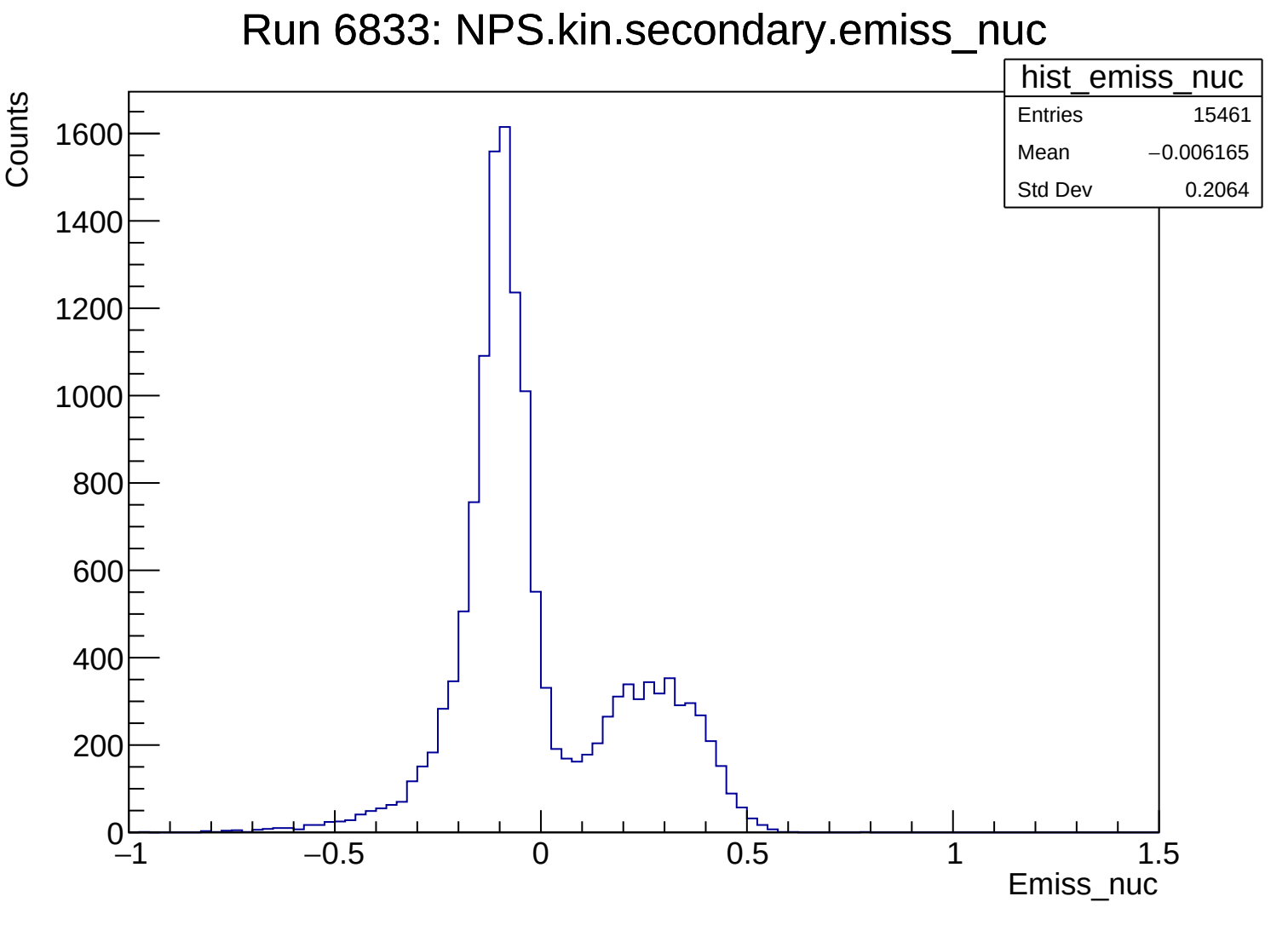

Run 6833: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 15461
Mean 0.08551
Std Dev 0.06794
Counts
900
800
700
600
500
400
300
200
100
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

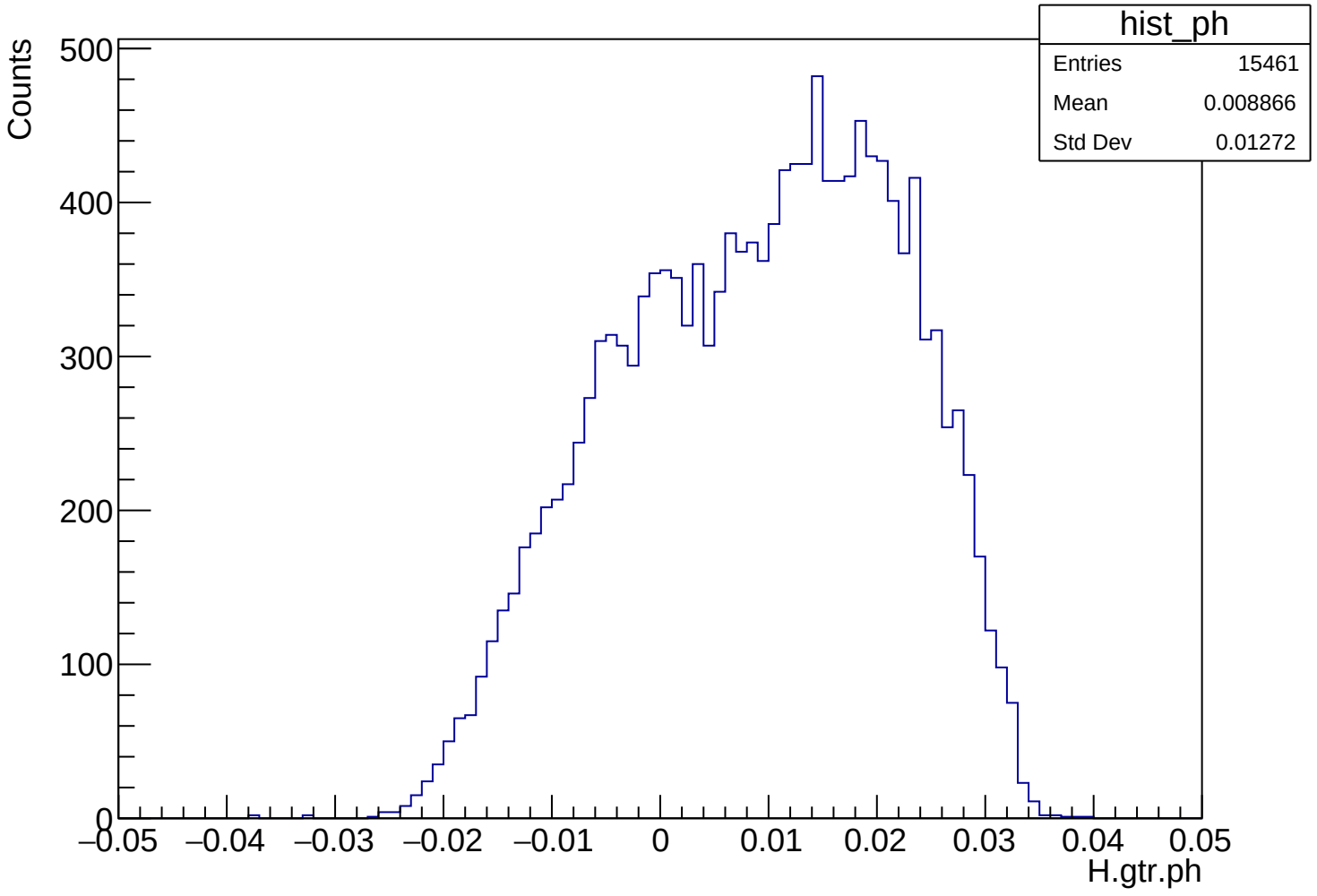

Run 6833: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 15461
Mean −0.0008737
Std Dev 0.04432
Counts
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

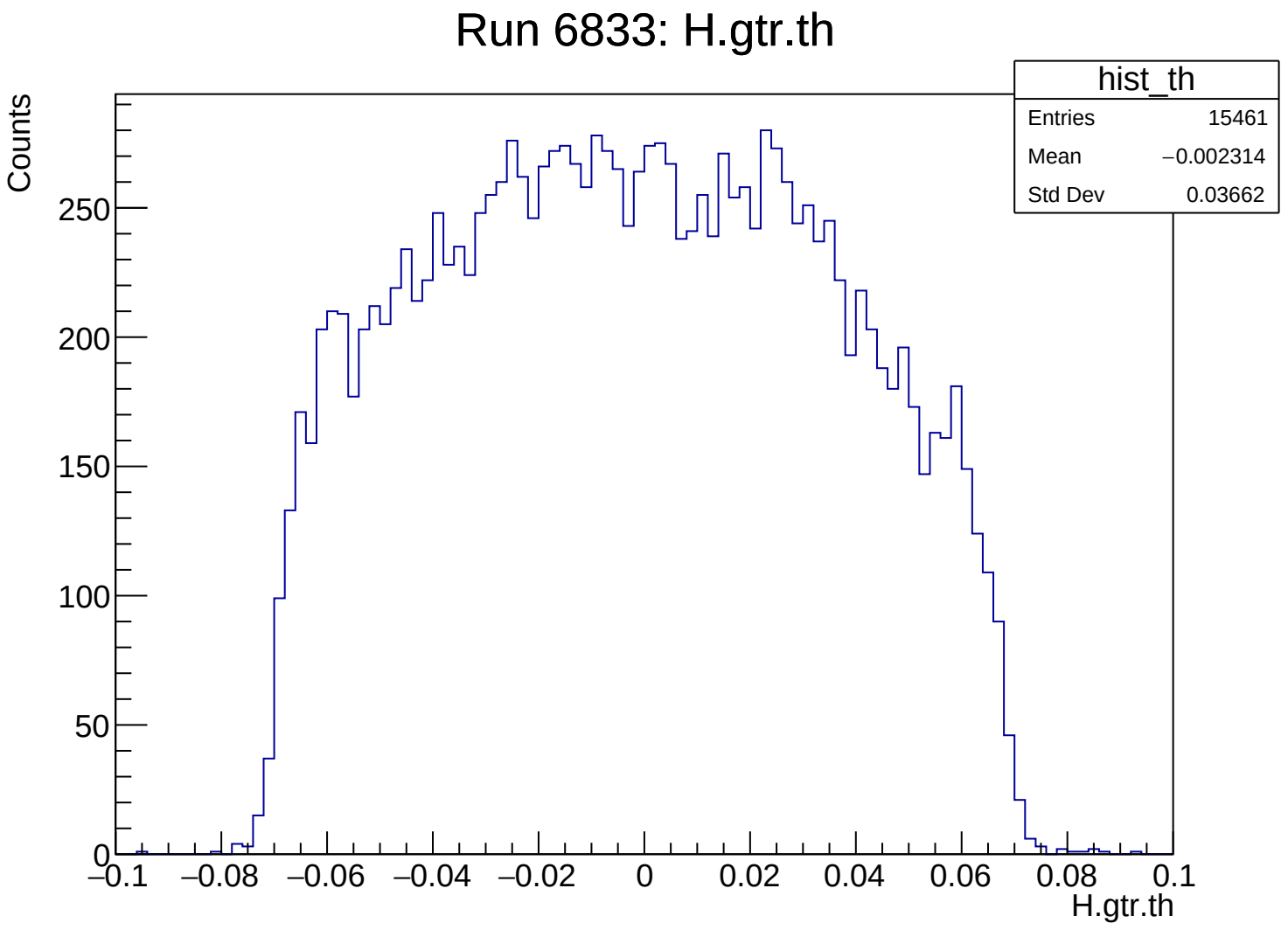

Run 6833: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 15461
Mean −2.709
Std Dev 0.3412
Counts
400
350
300
250
200
150
100
50
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

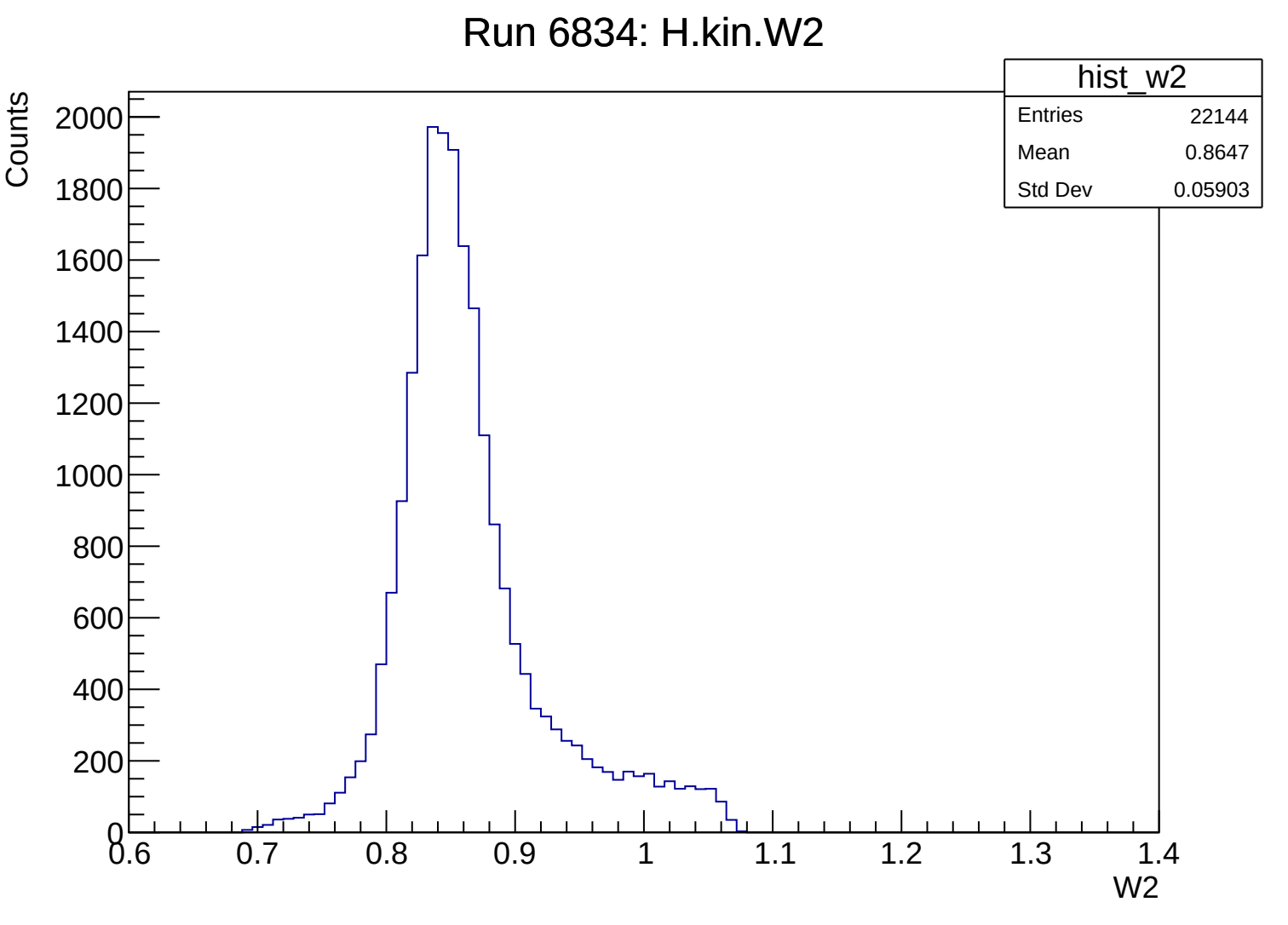

Run 6833: NPS.kin.secondary.pmiss
hist_pmiss
Entries 15461
Mean 2.703
Std Dev 0.3589
Counts
0
100
200
300
400
500
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

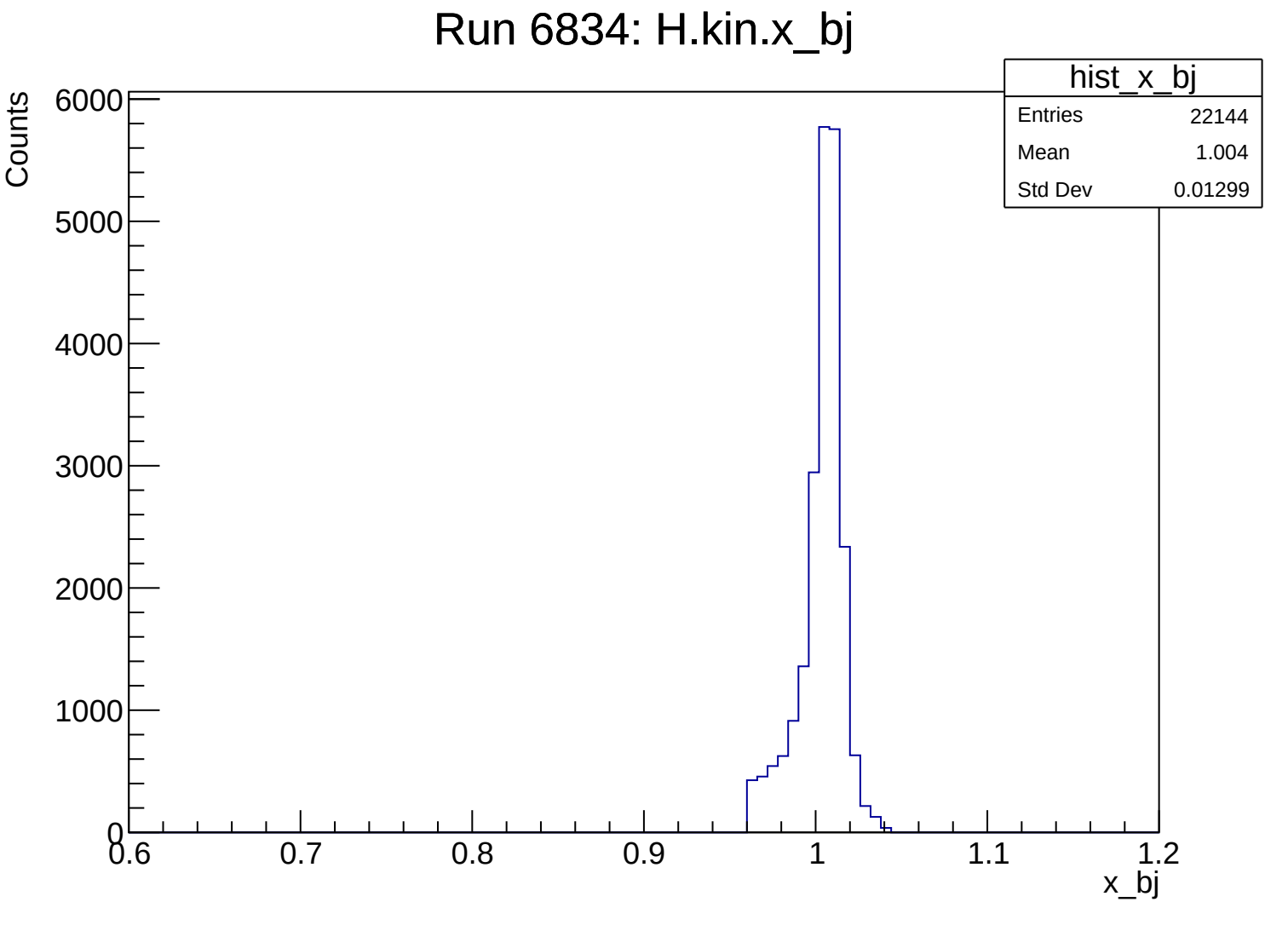

Run 6833: NPS.kin.secondary.emiss
hist_emiss
Entries 15461
Mean 2.822
Std Dev 0.3784
Counts
700
600
500
400
300
200
100
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

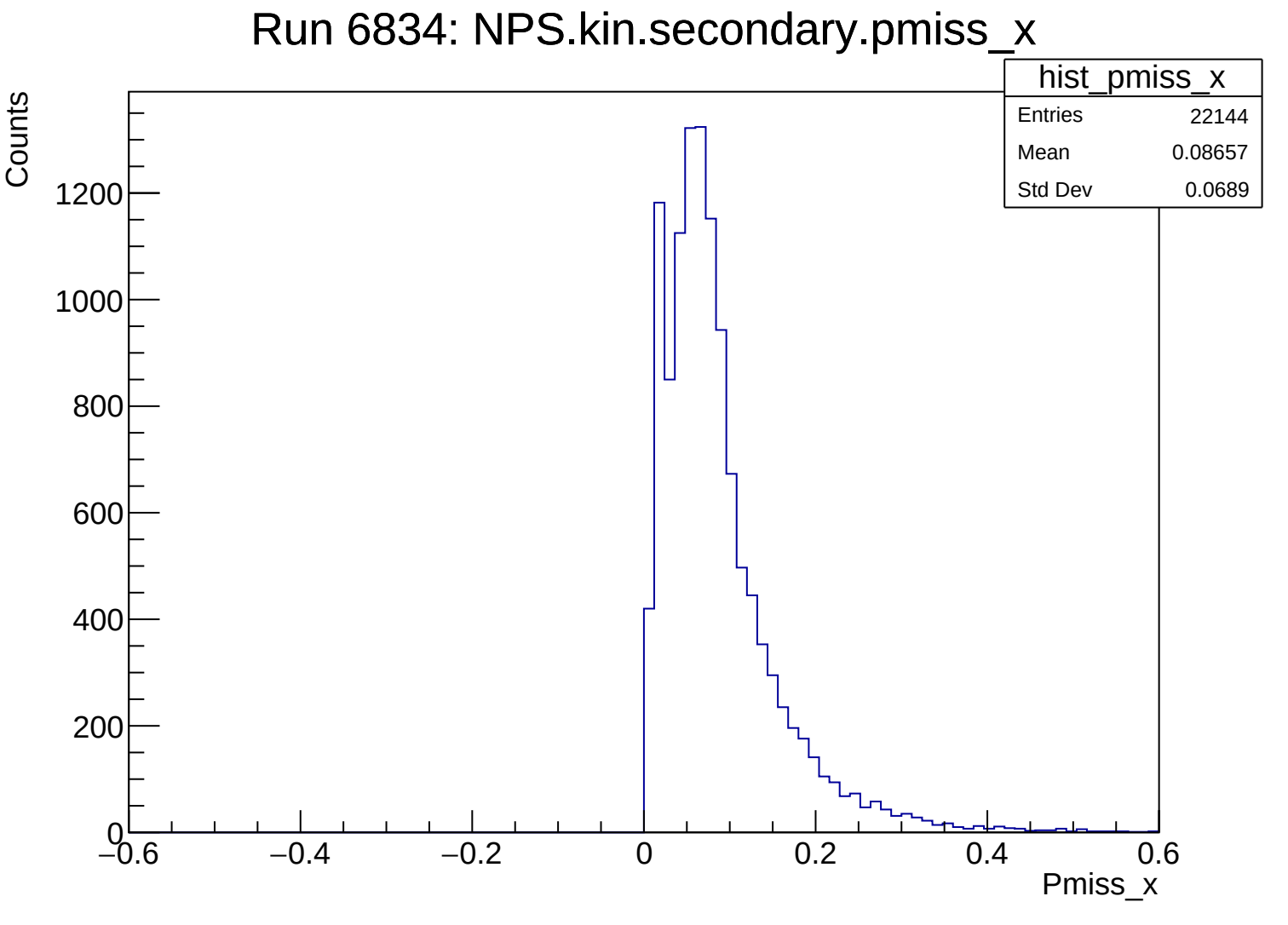

Run 6833: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 15461
Mean −0.006165
Std Dev 0.2064
Counts
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

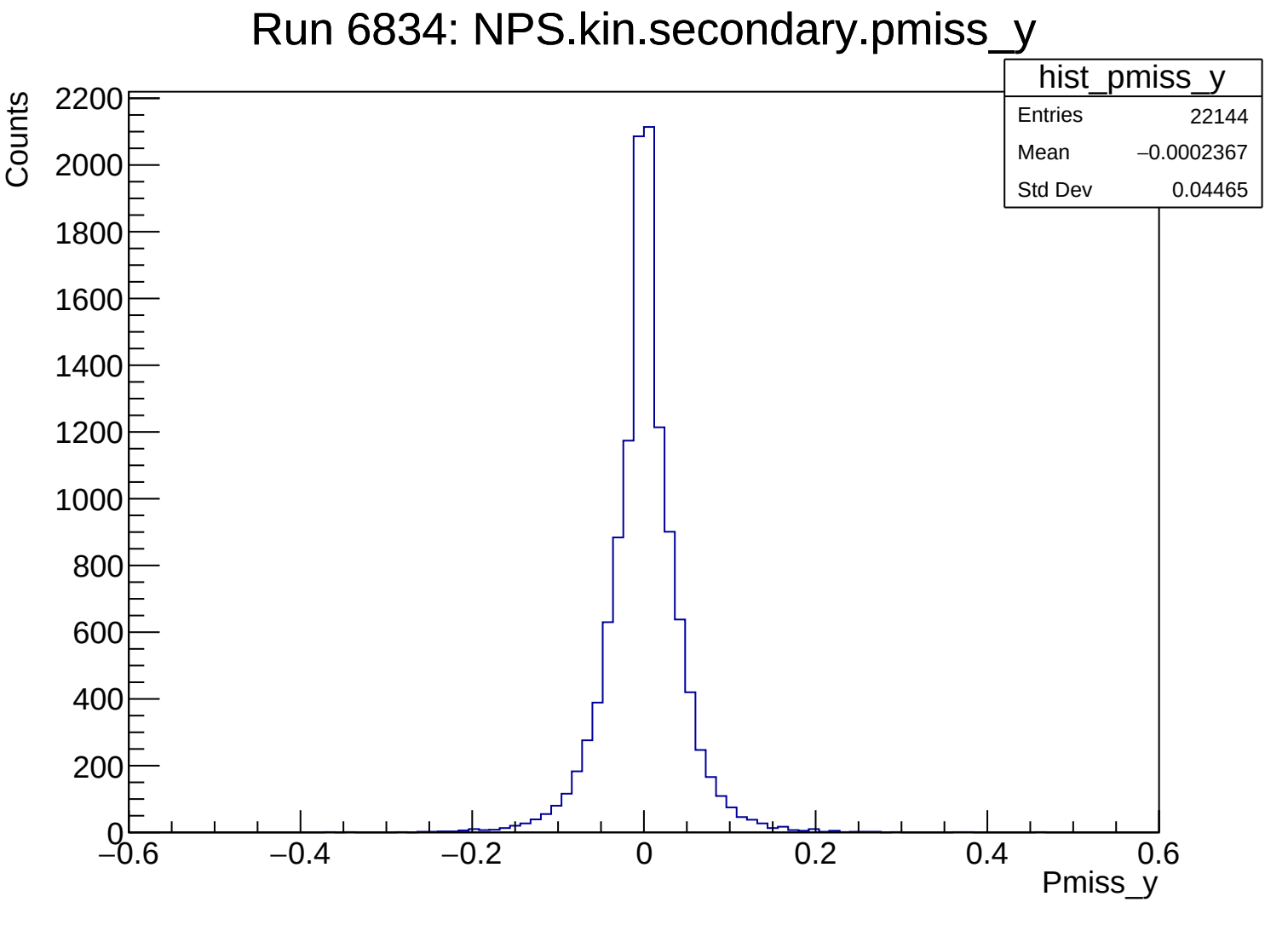

Run 6833: H.gtr.ph
hist_ph
Entries 15461
Mean 0.008866
Std Dev 0.01272
Counts
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

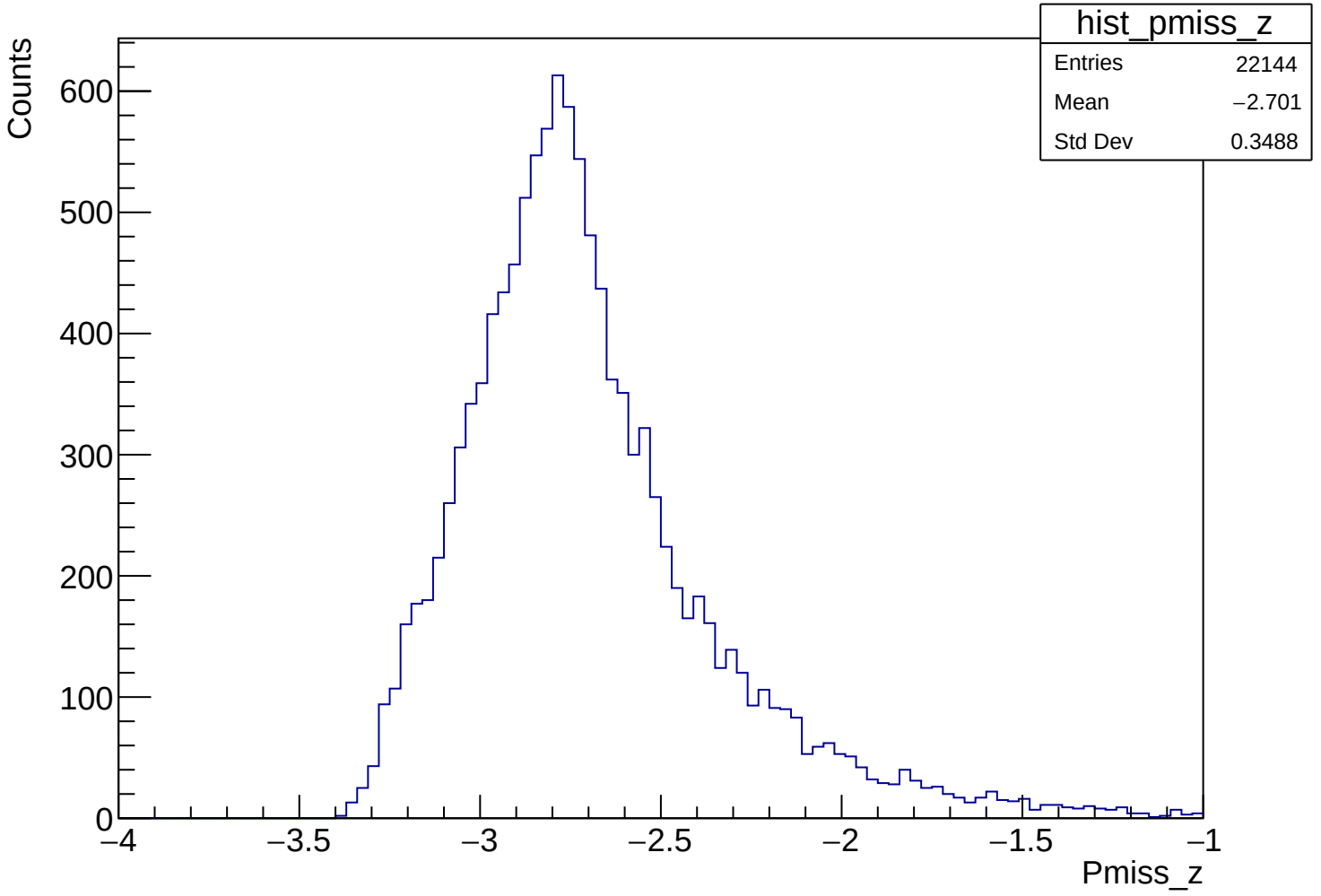

Run 6833: H.gtr.th
hist_th
Entries 15461
Mean −0.002314
Std Dev 0.03662
Counts
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

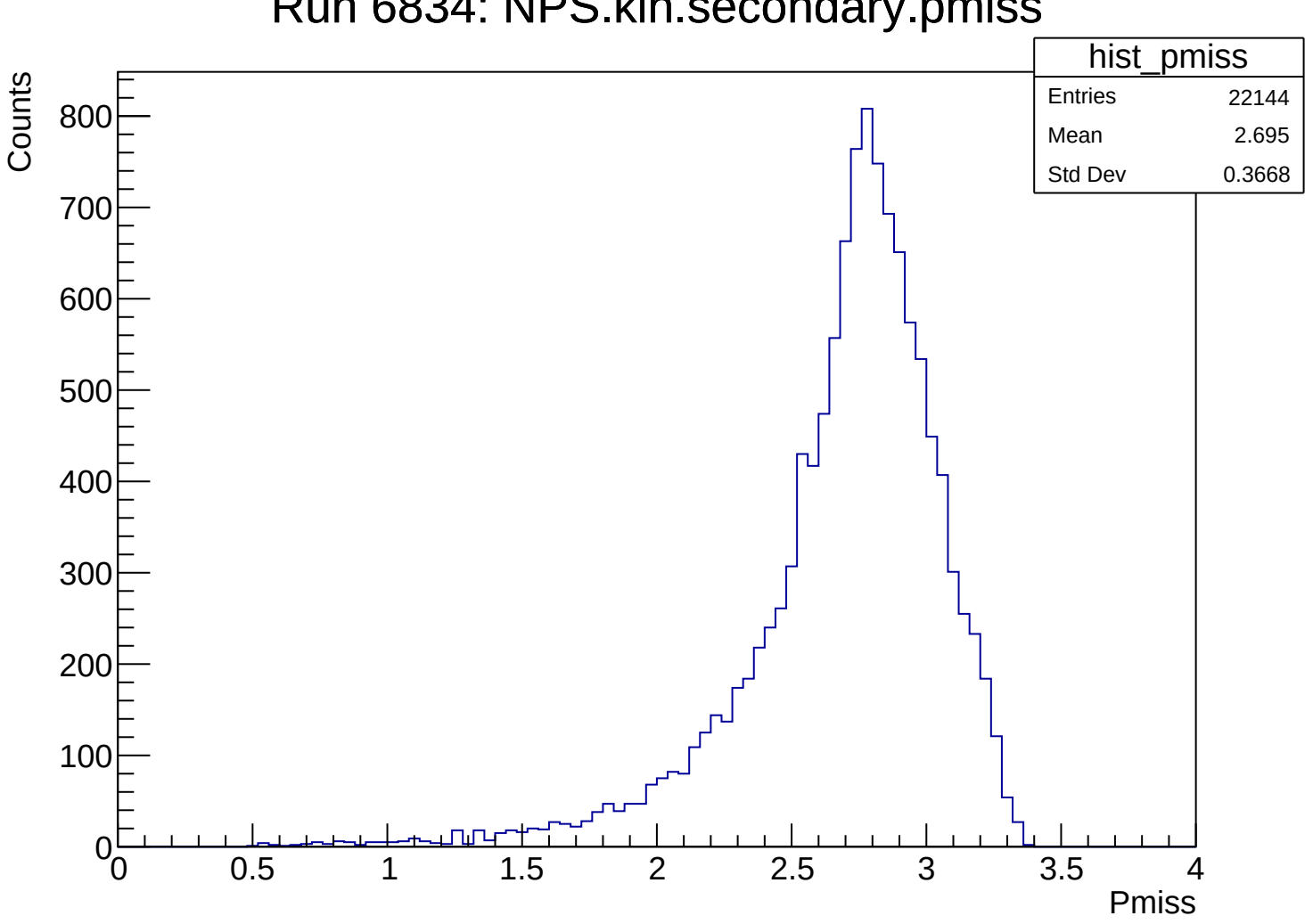

Run 6834: H.kin.W2
hist_w2
Entries 22144
Mean 0.8647
Std Dev 0.05903
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

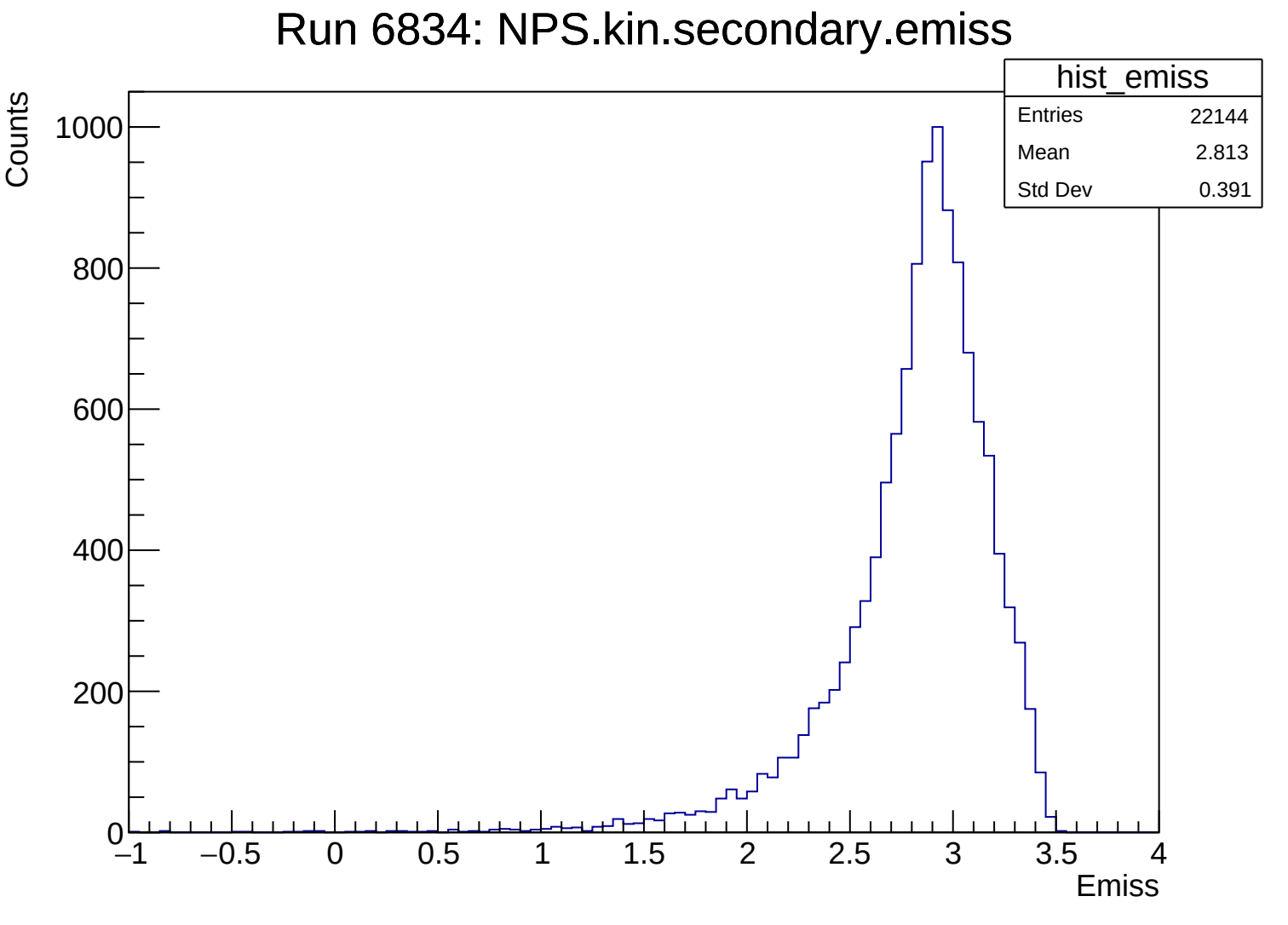

Run 6834: H.kin.x_bj
hist_x_bj
Entries 22144
Mean 1.004
Std Dev 0.01299
Counts
6000
5000
4000
3000
2000
1000
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

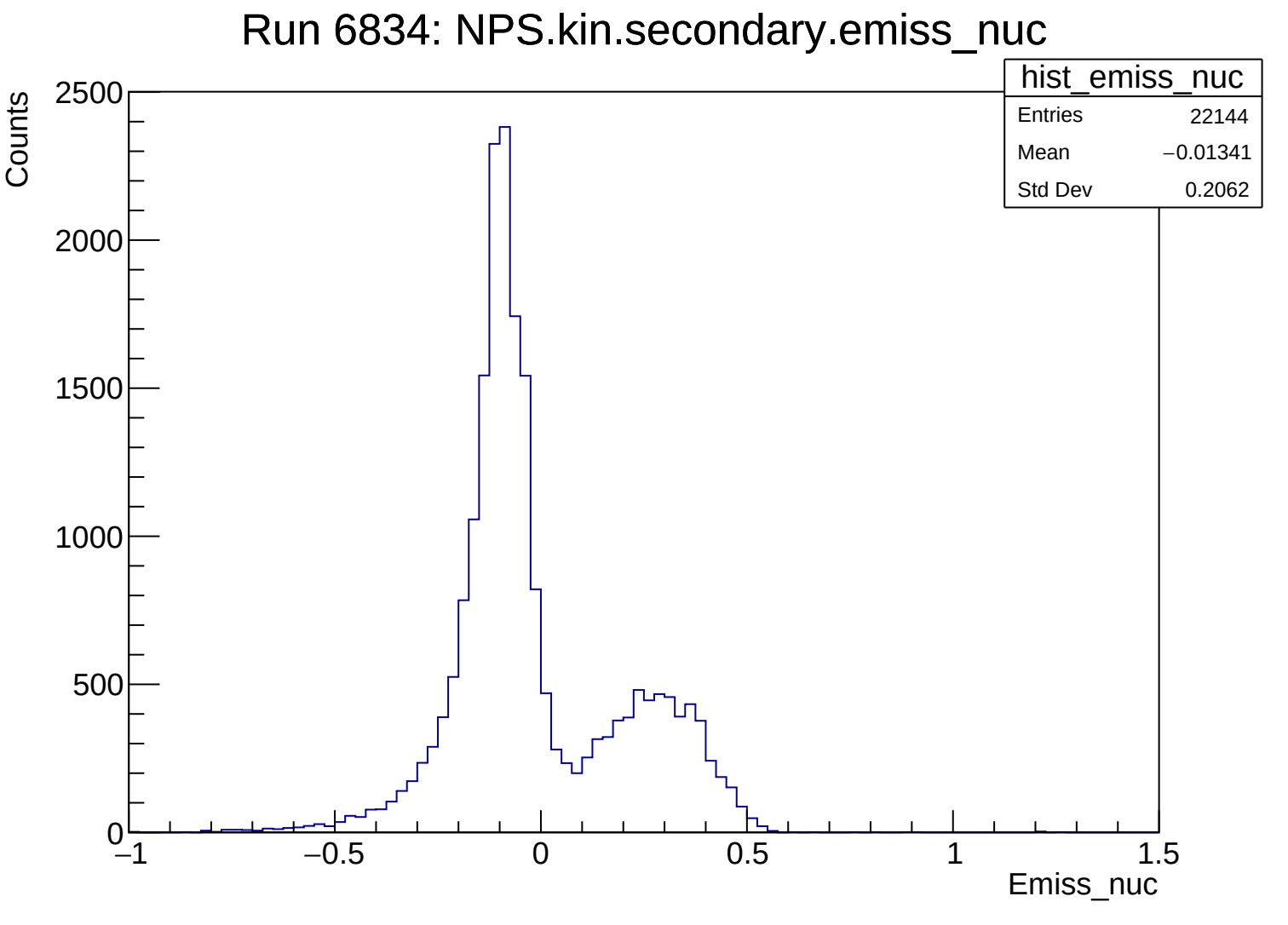

Run 6834: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 22144
Mean 0.08657
Std Dev 0.0689
Counts
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

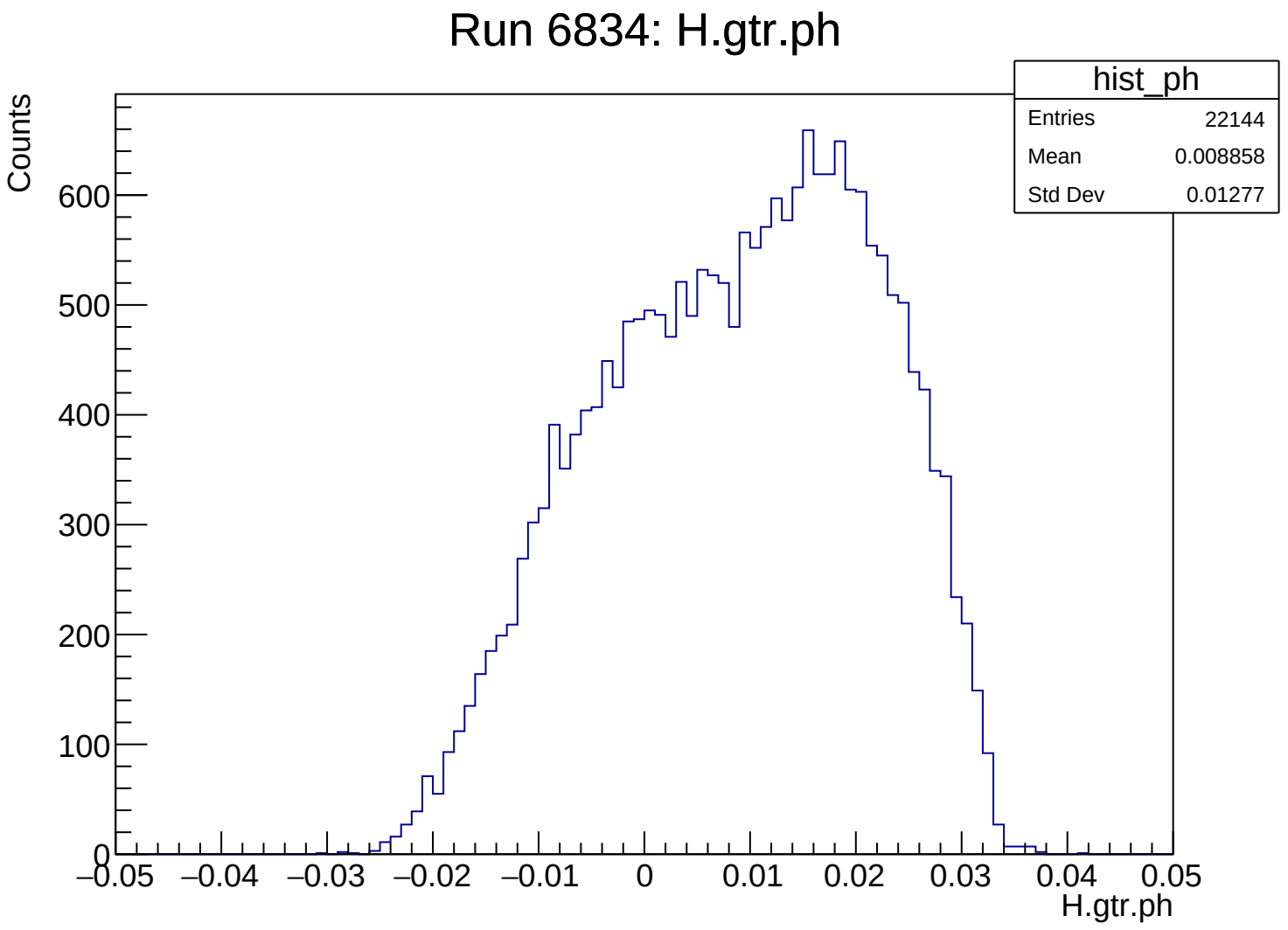

Run 6834: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 22144
Mean −0.0002367
Std Dev 0.04465
Counts
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

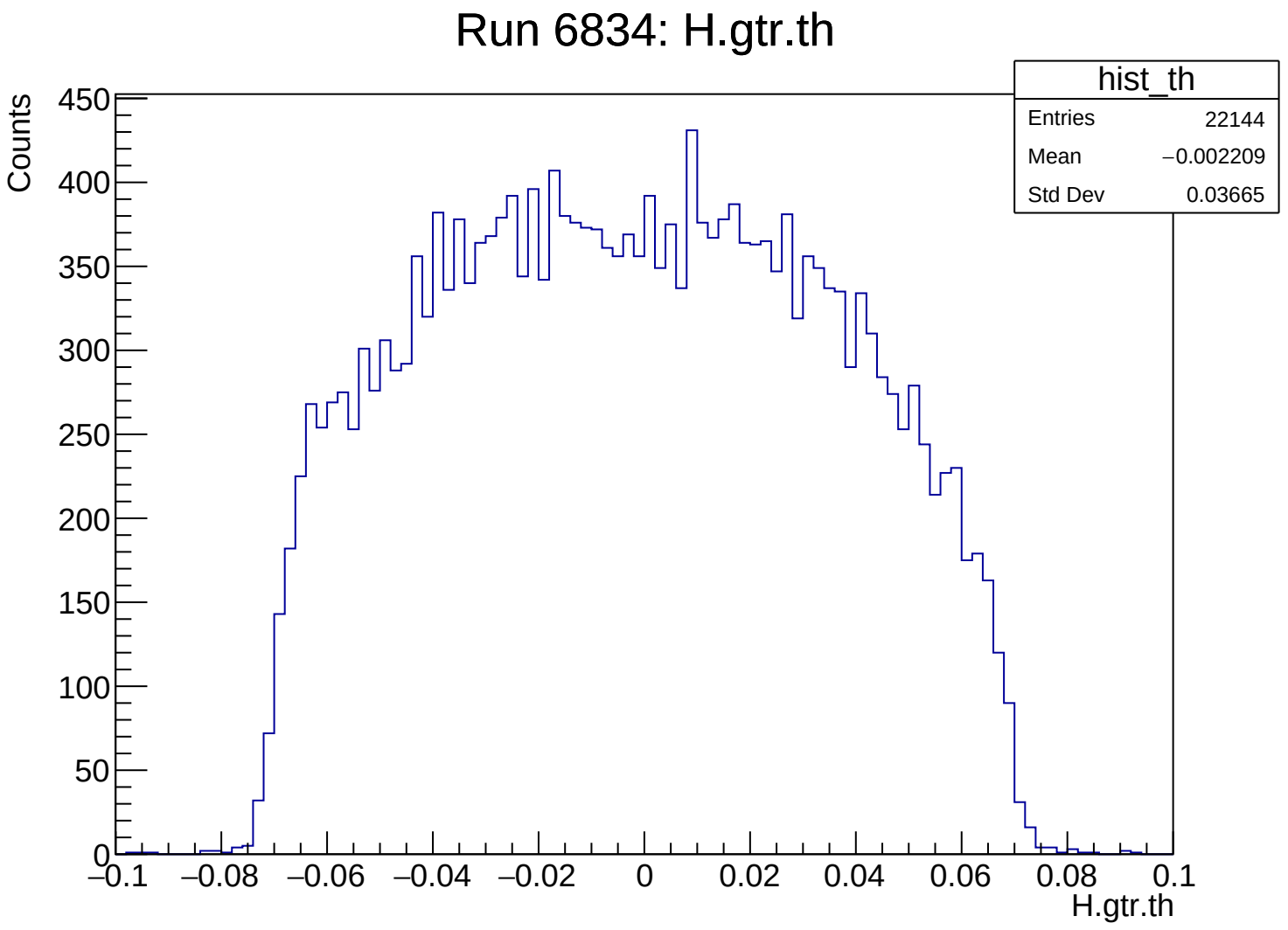

Run 6834: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 22144
Mean −2.701
Std Dev 0.3488
Counts
600
500
400
300
200
100
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

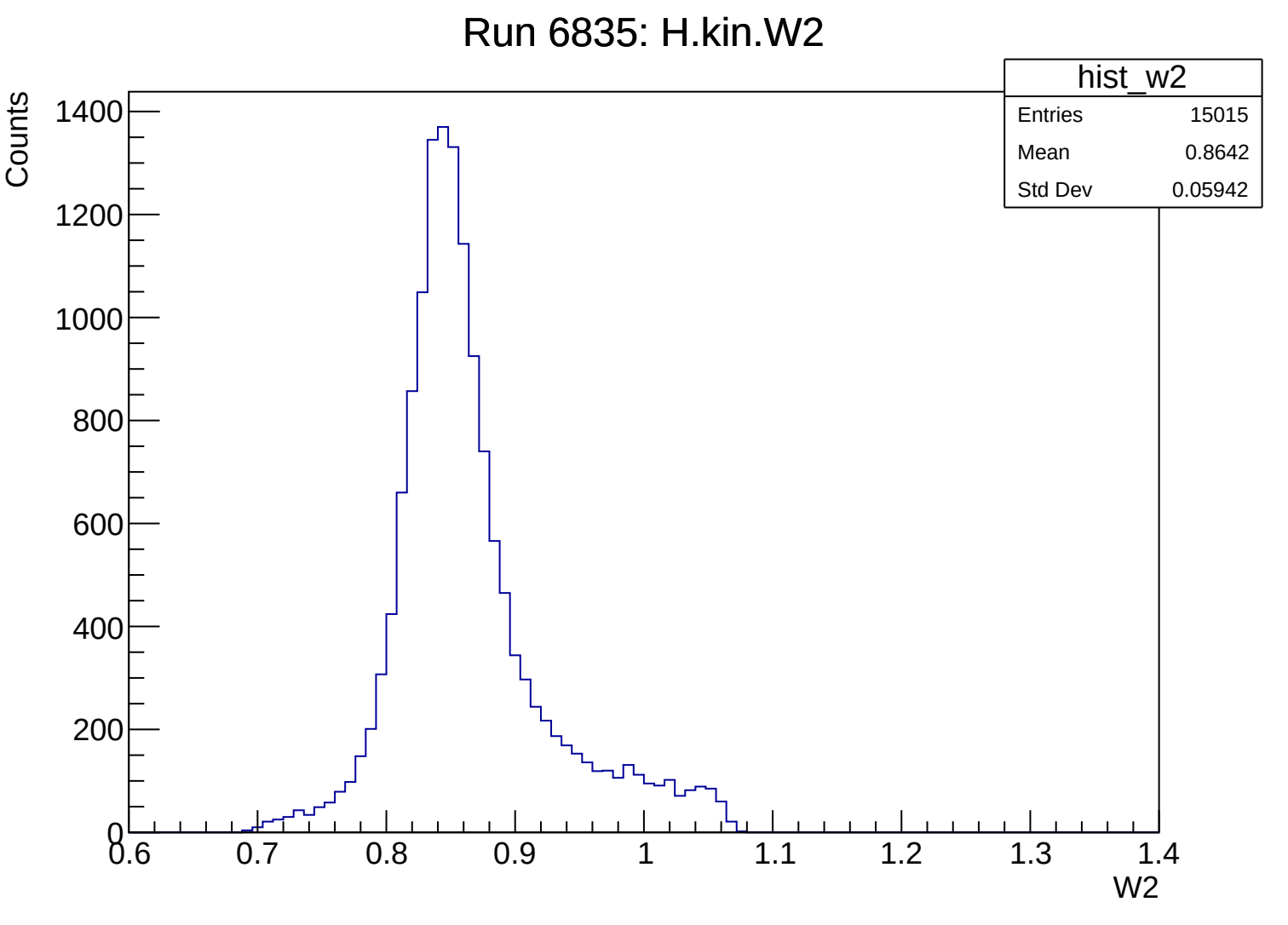

Run 6834: NPS.kin.secondary.pmiss
hist_pmiss
Entries 22144
Mean 2.695
Std Dev 0.3668
Counts
0
100
200
300
400
500
600
700
800
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

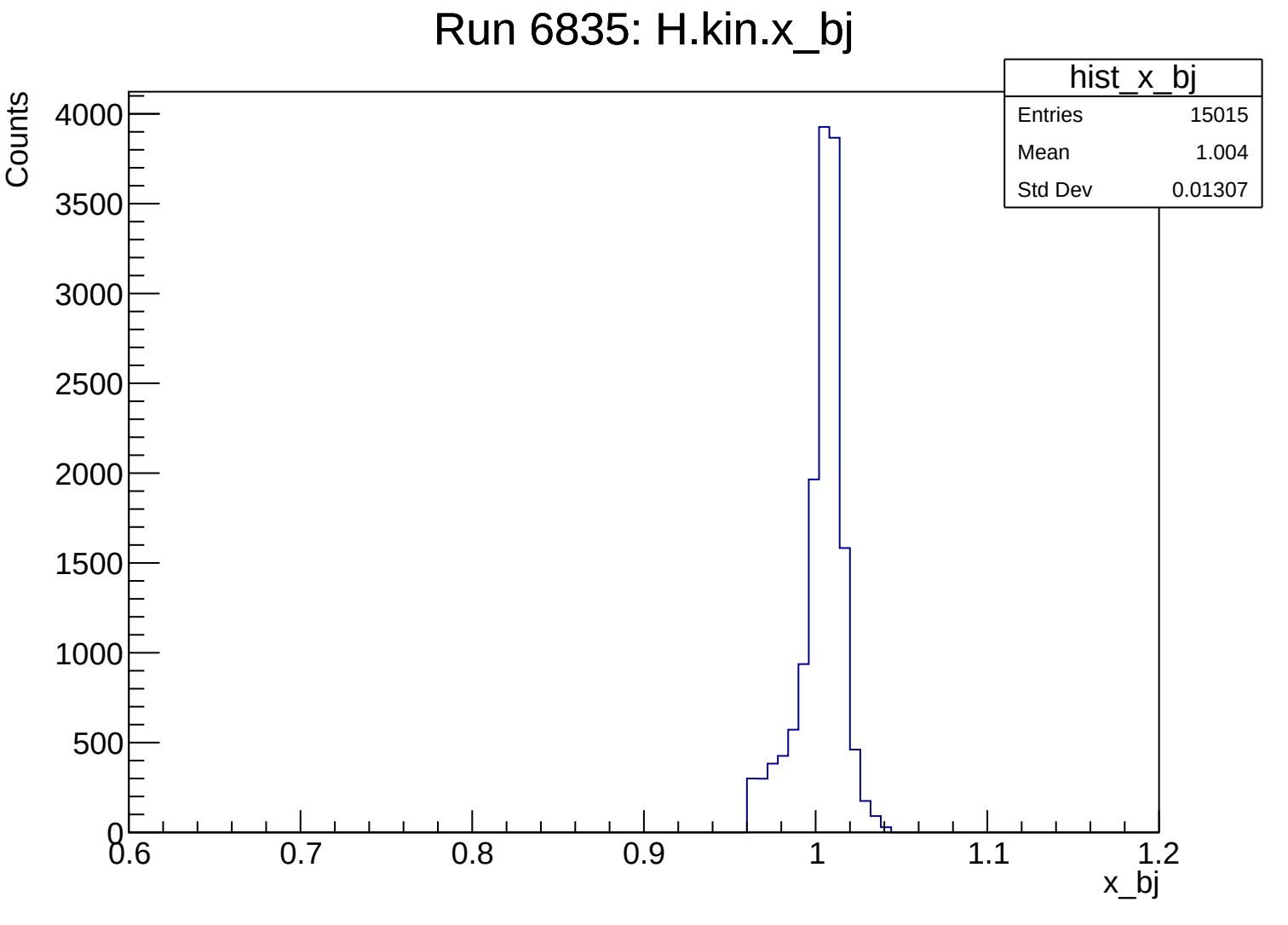

Run 6834: NPS.kin.secondary.emiss
hist_emiss
Entries 22144
Mean 2.813
Std Dev 0.391
Counts
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

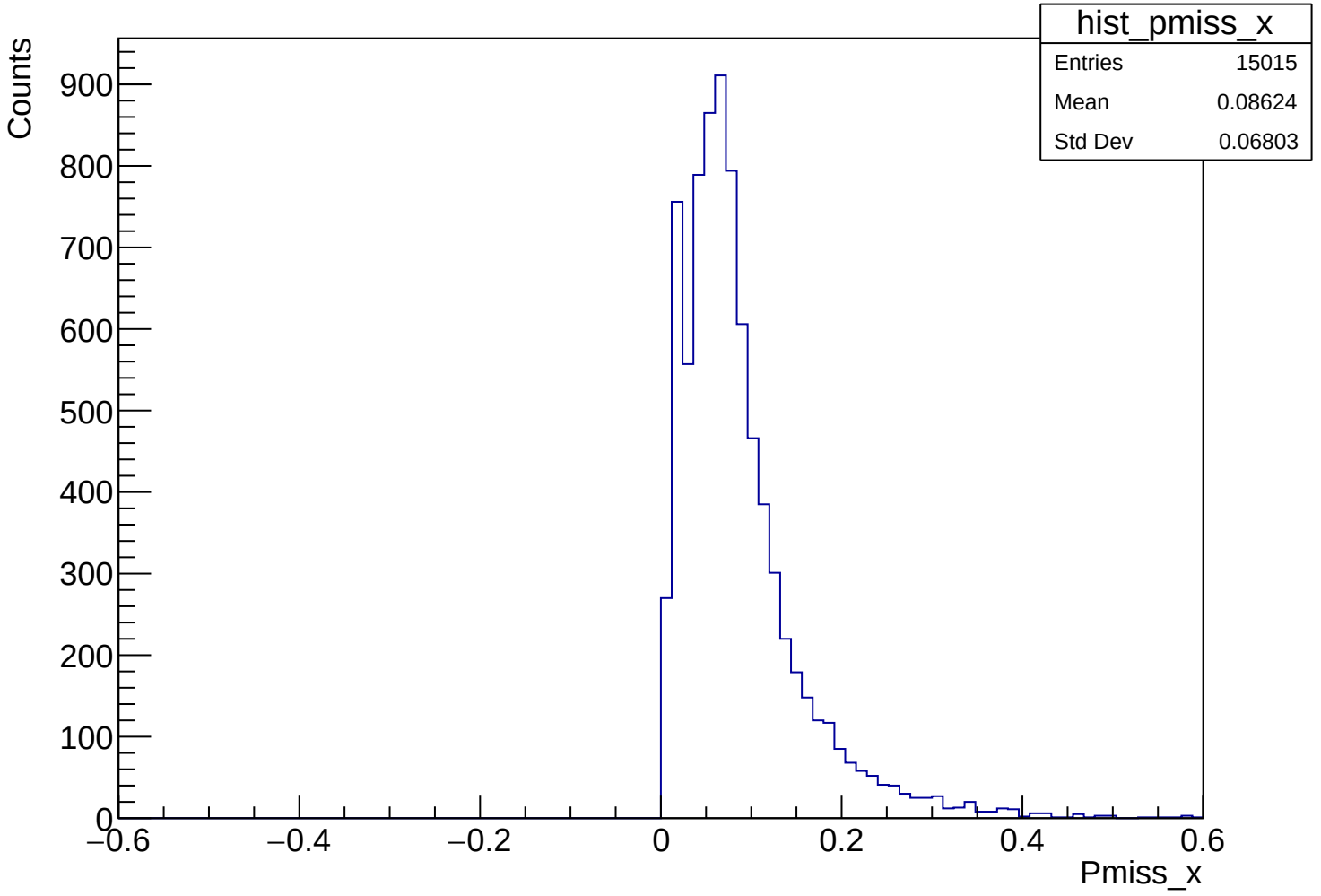

Run 6834: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 22144
Mean −0.01341
Std Dev 0.2062
Counts
2500
2000
1500
1000
500
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

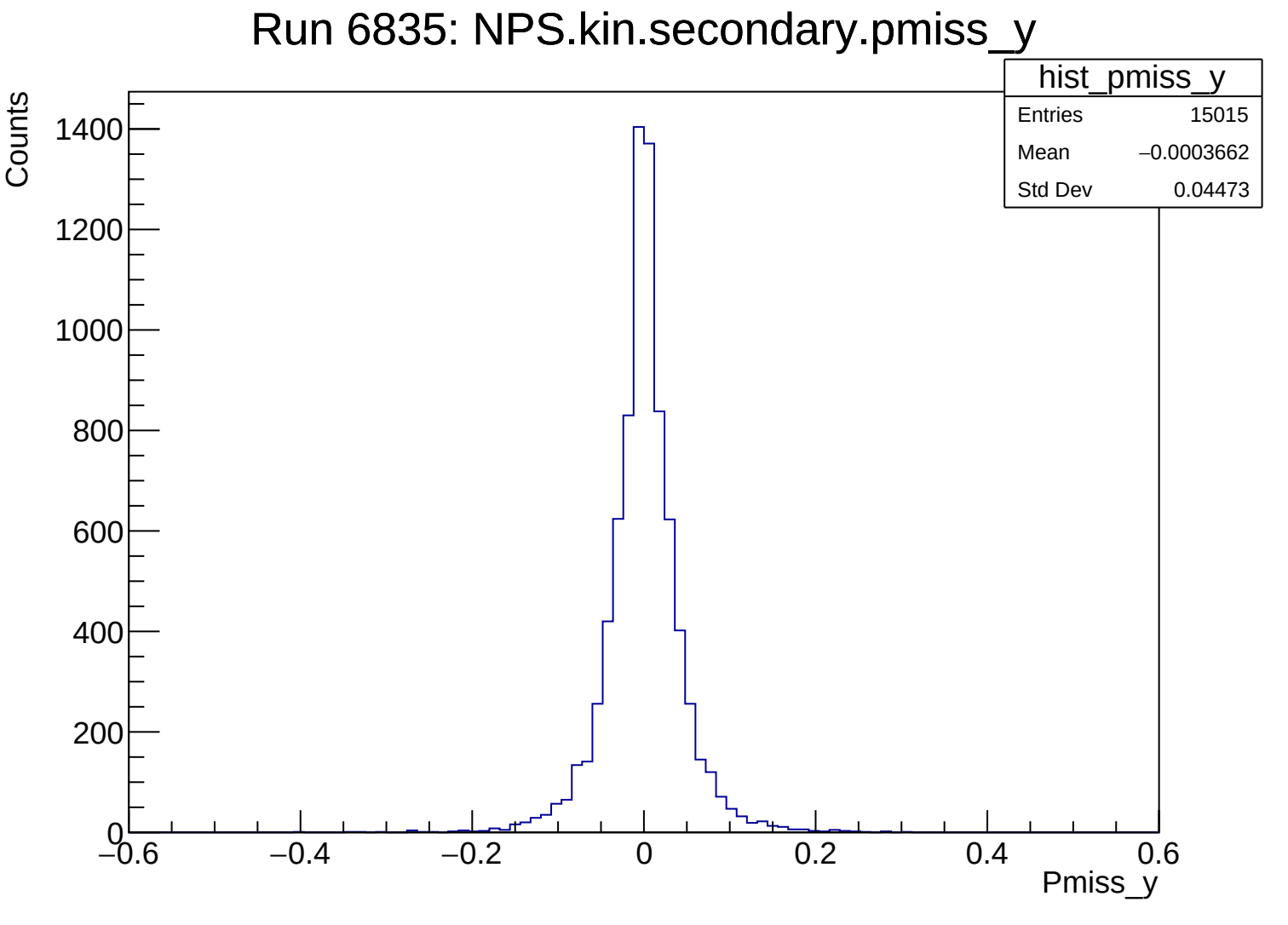

Run 6834: H.gtr.ph
hist_ph
Entries 22144
Mean 0.008858
Std Dev 0.01277
Counts
600
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

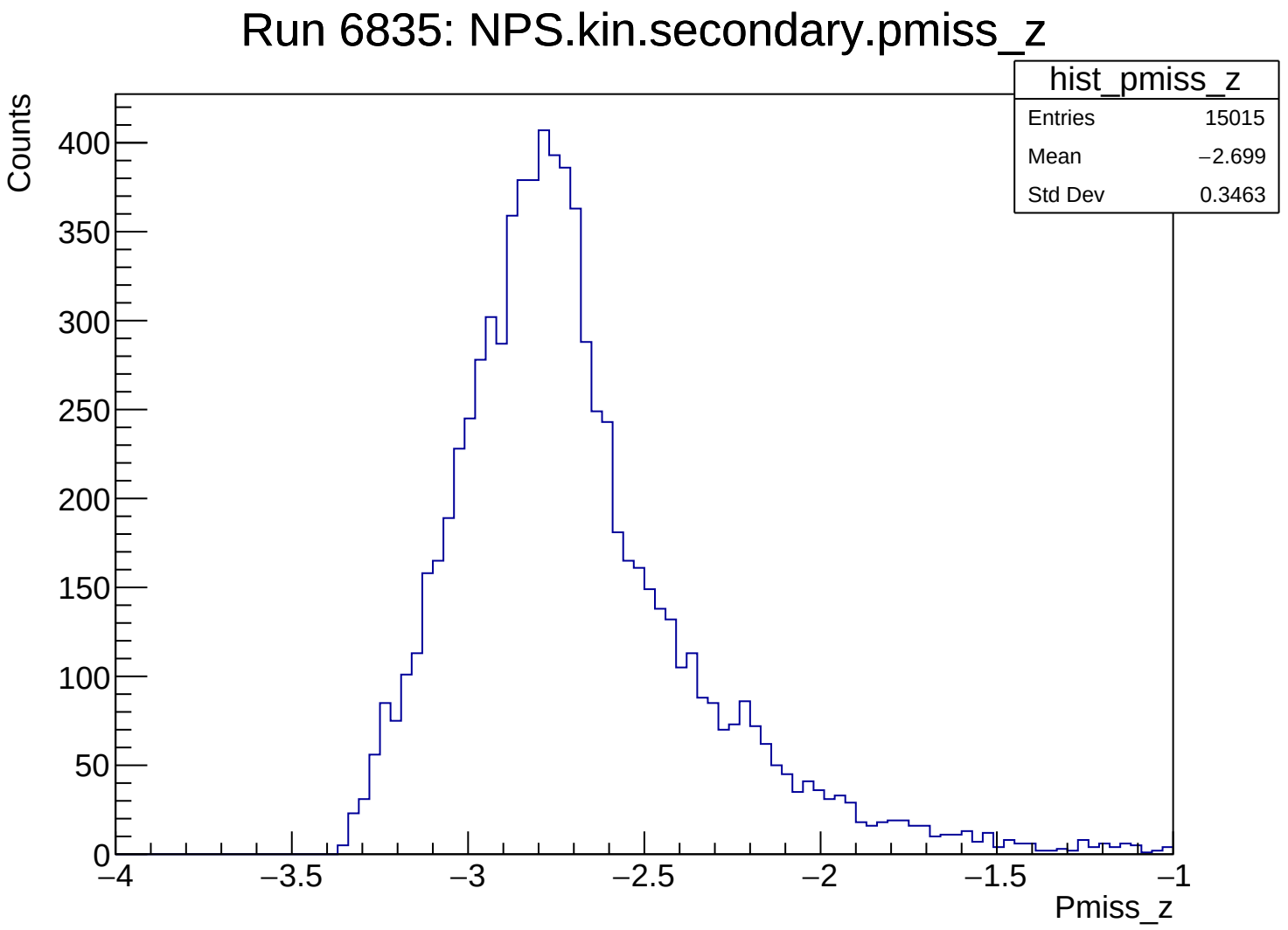

Run 6834: H.gtr.th
hist_th
Entries 22144
Mean −0.002209
Std Dev 0.03665
Counts
450
400
350
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

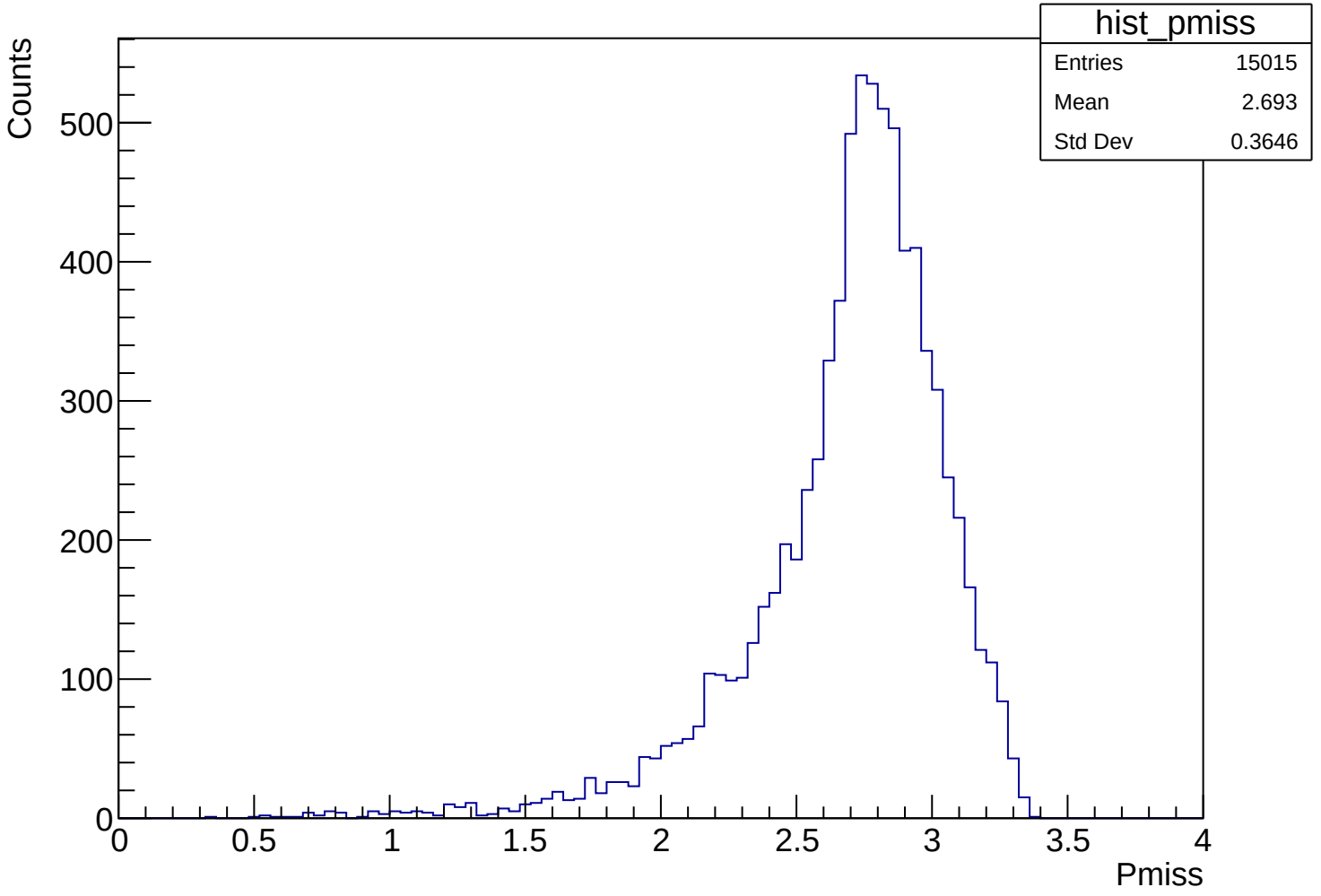

Run 6835: H.kin.W2
hist_w2
Entries 15015
Mean 0.8642
Std Dev 0.05942
Counts
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

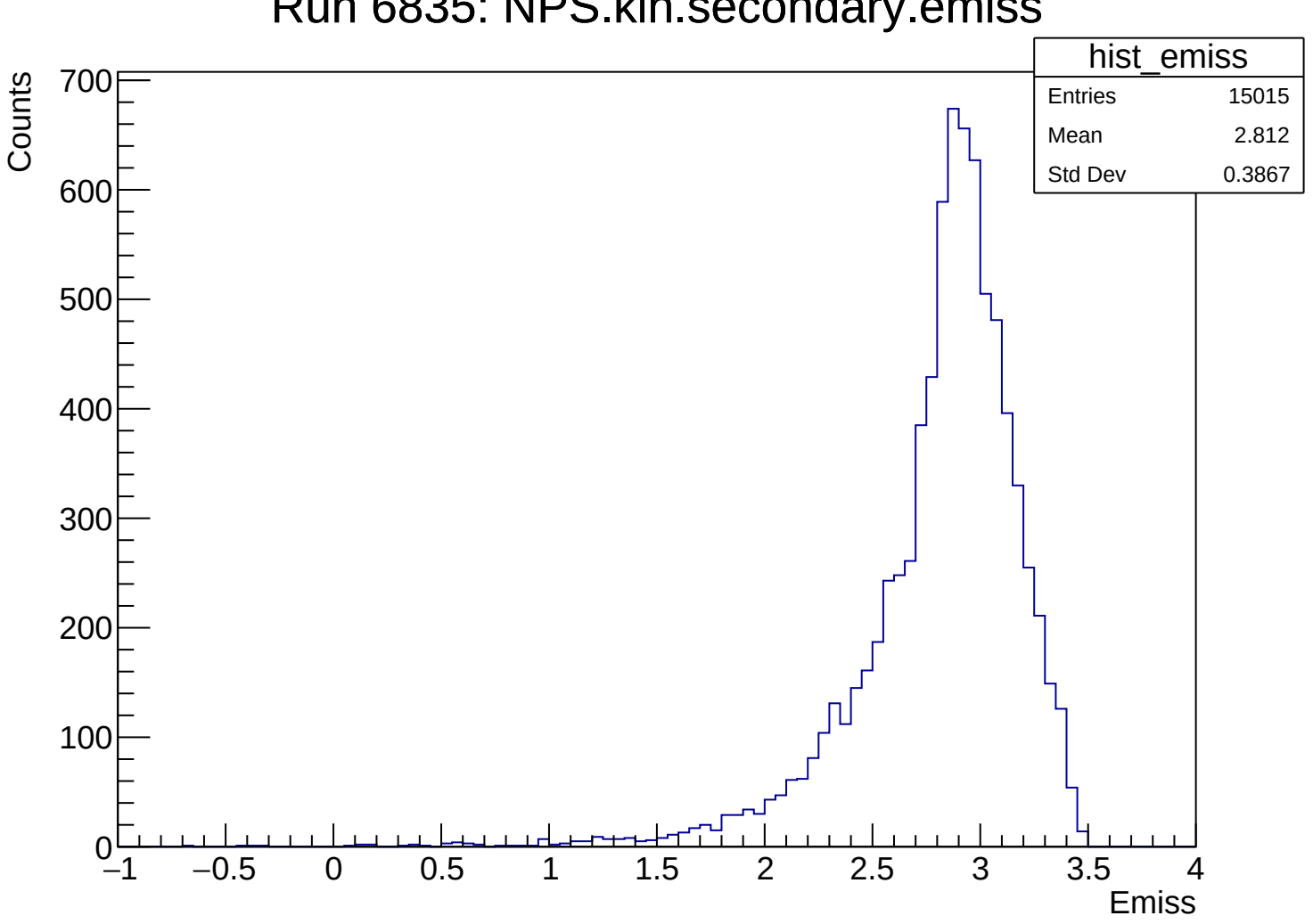

Run 6835: H.kin.x_bj
hist_x_bj
Entries 15015
Mean 1.004
Std Dev 0.01307
Counts
4000
3500
3000
2500
2000
1500
1000
500
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

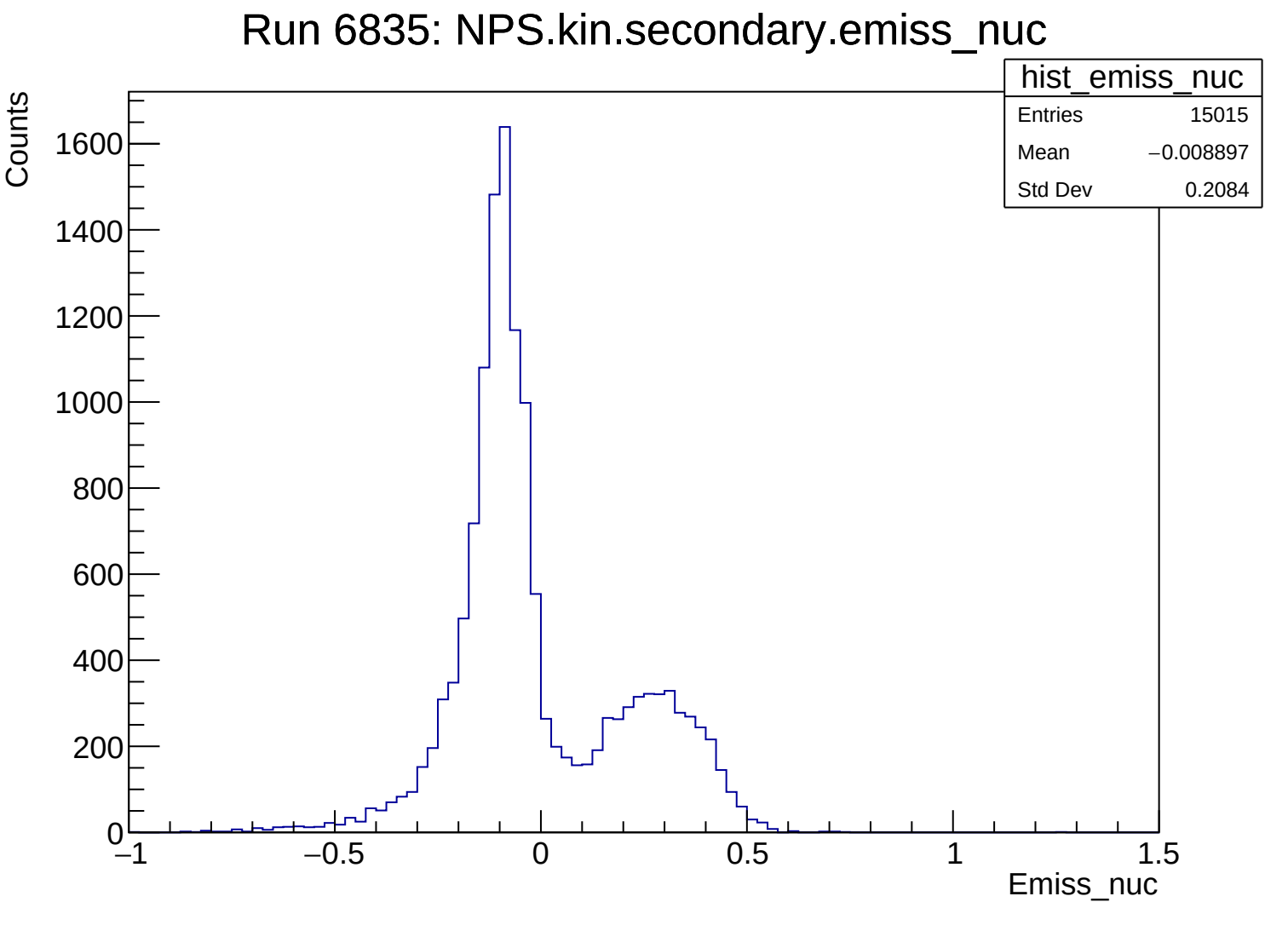

Run 6835: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 15015
Mean 0.08624
Std Dev 0.06803
Counts
900
800
700
600
500
400
300
200
100
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

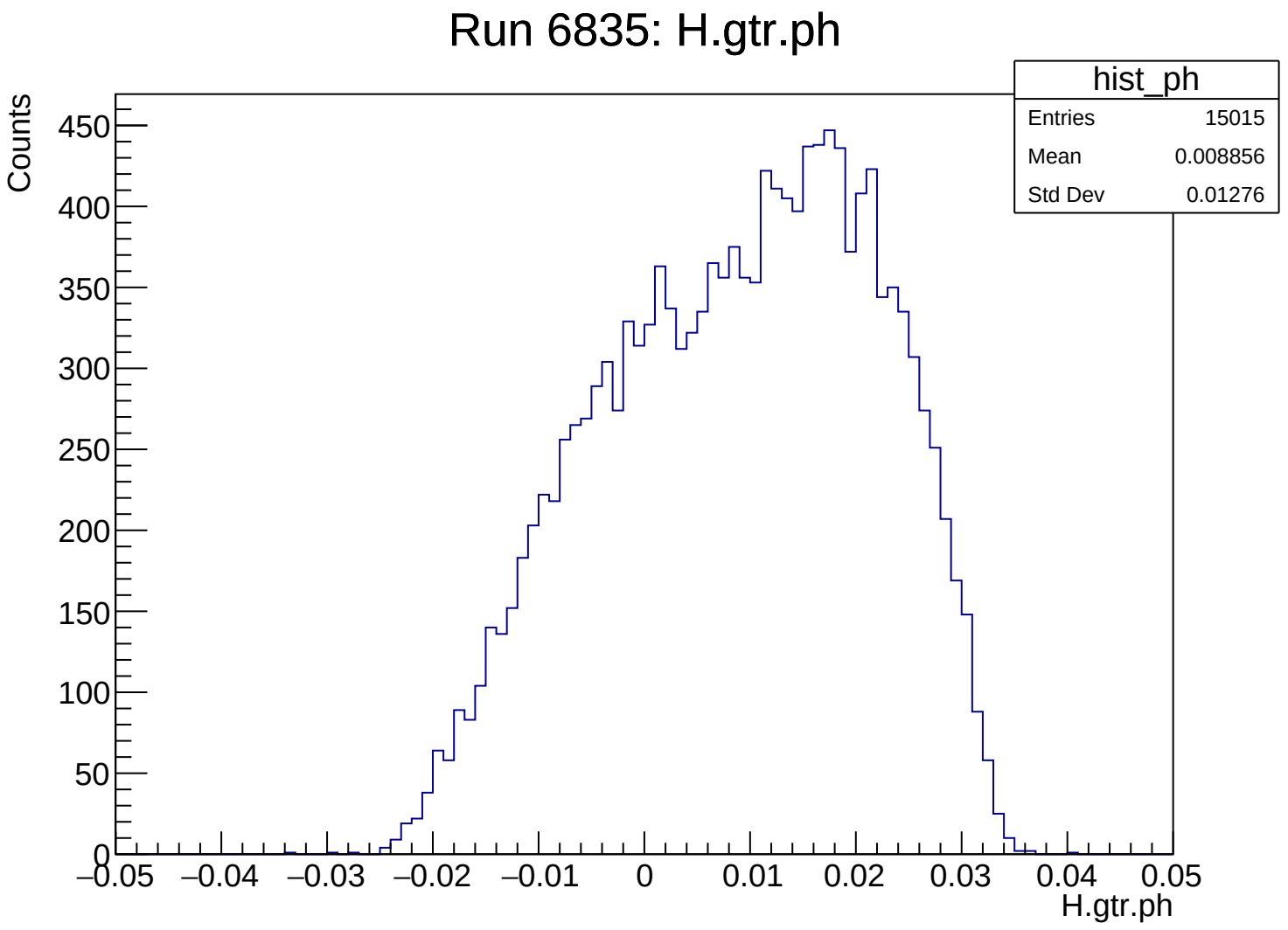

Run 6835: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 15015
Mean −0.0003662
Std Dev 0.04473
Counts
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

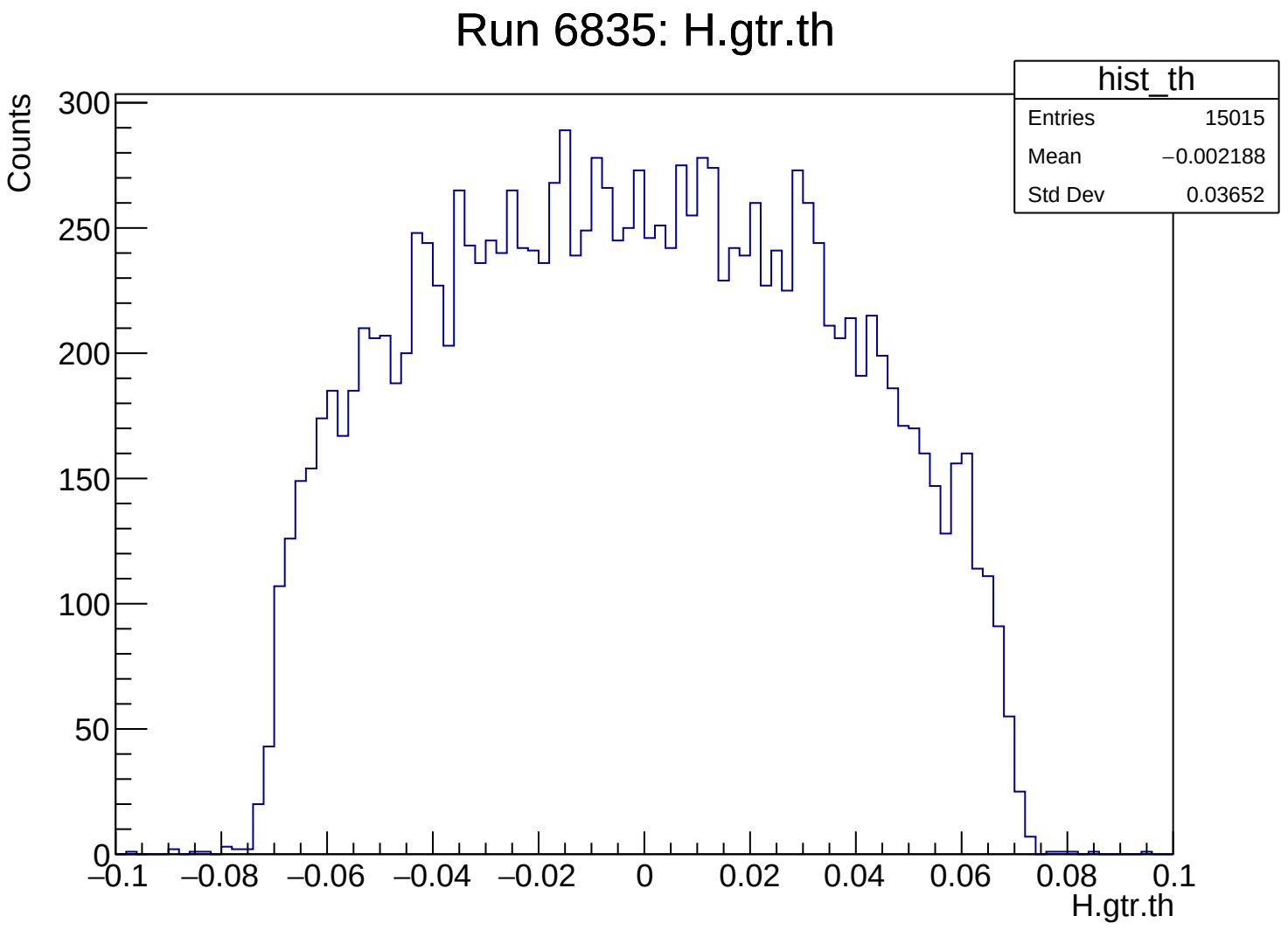

Run 6835: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 15015
Mean −2.699
Std Dev 0.3463
Counts
0
50
100
150
200
250
300
350
400
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

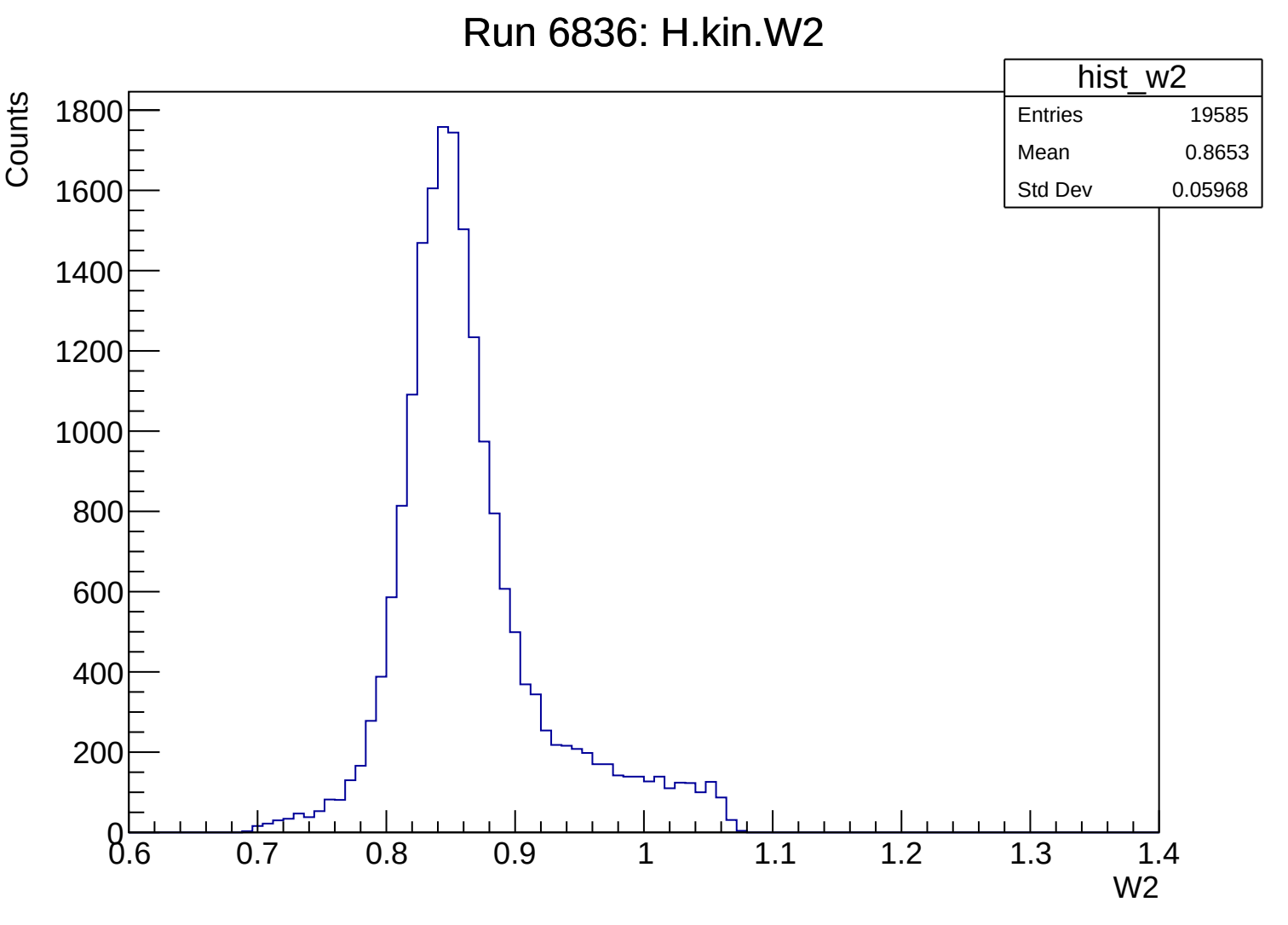

Run 6835: NPS.kin.secondary.pmiss
hist_pmiss
Entries 15015
Mean 2.693
Std Dev 0.3646
Counts
0
100
200
300
400
500
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

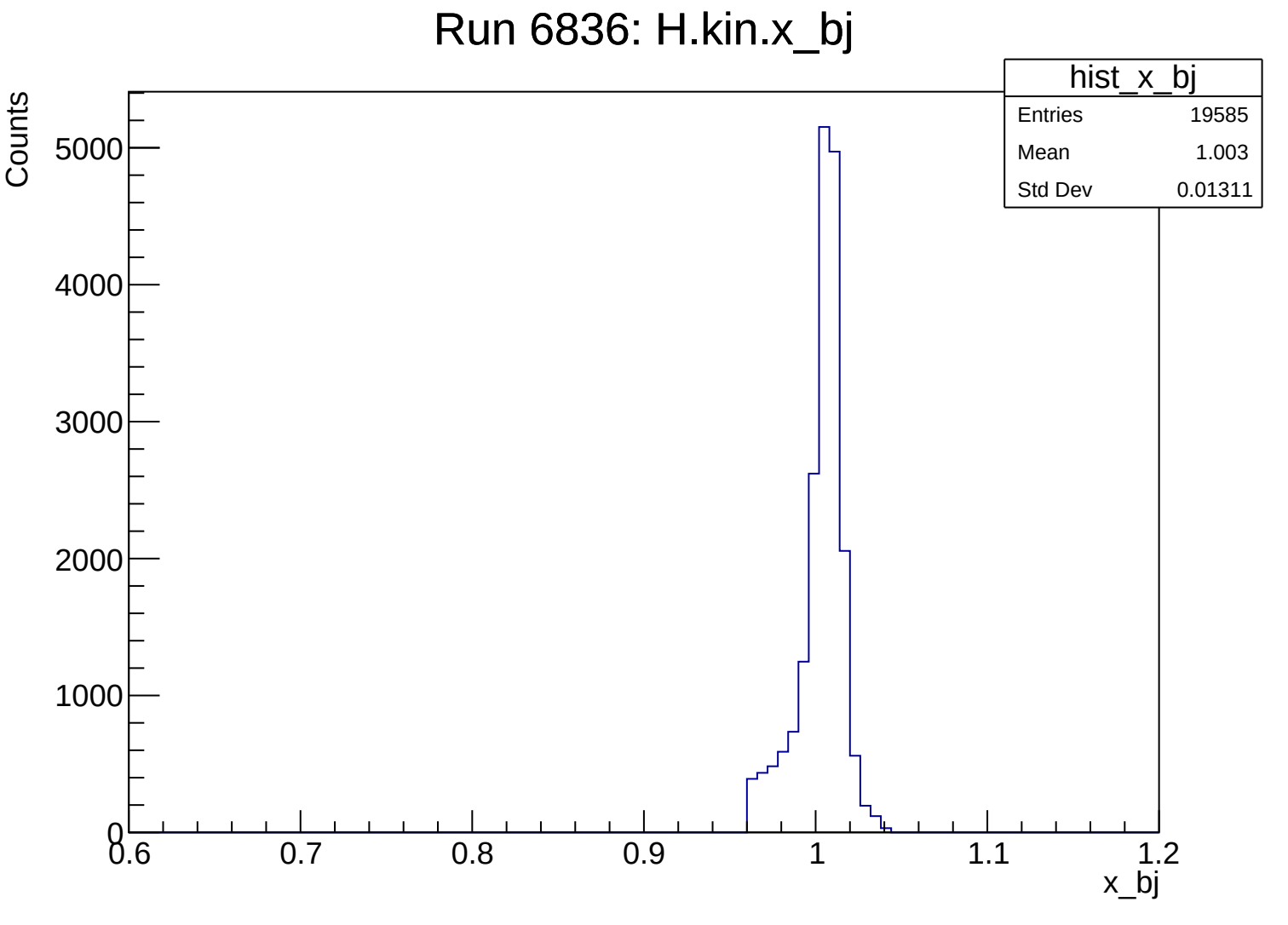

Run 6835: NPS.kin.secondary.emiss
hist_emiss
Entries 15015
Mean 2.812
Std Dev 0.3867
Counts
700
600
500
400
300
200
100
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

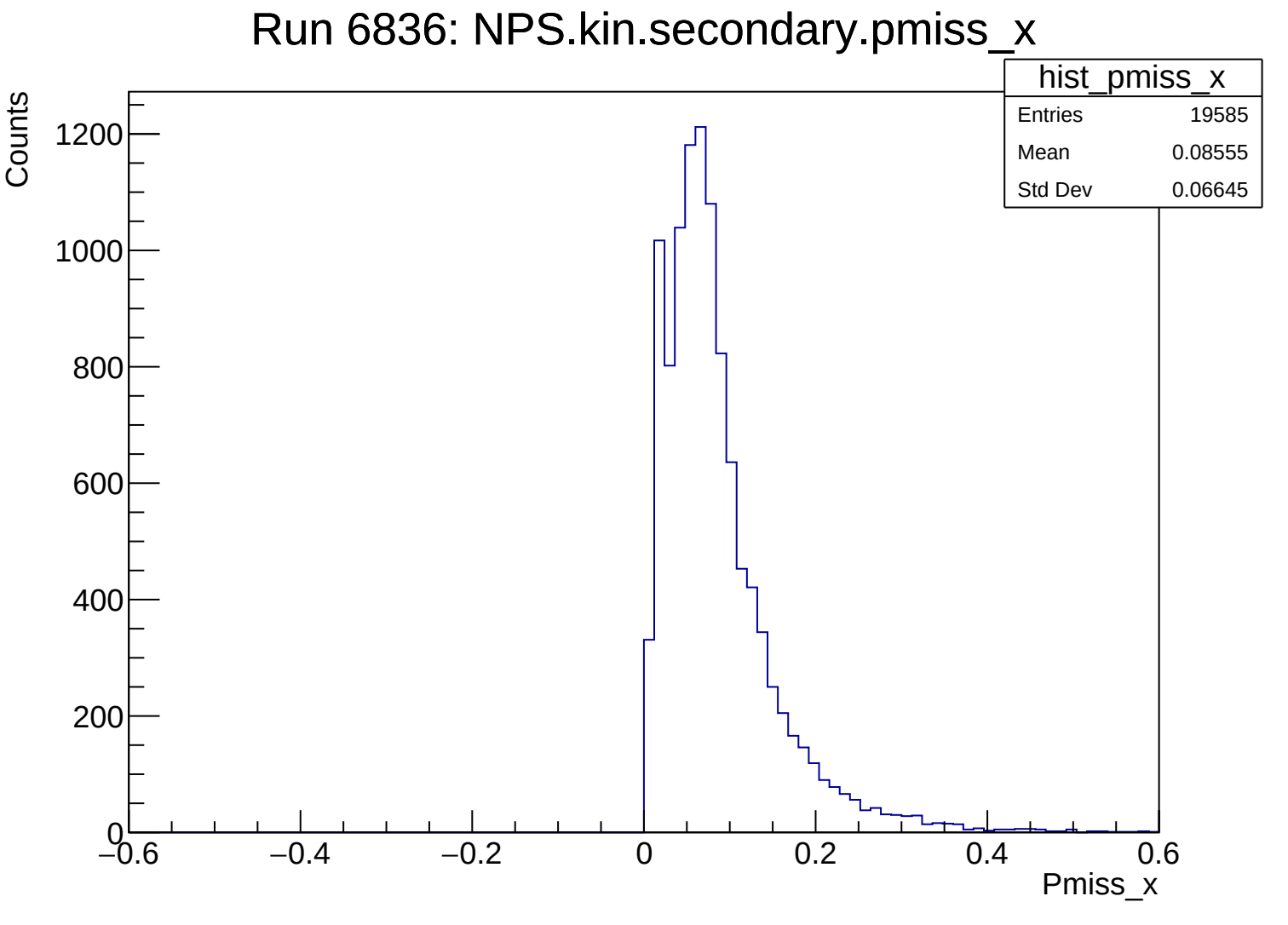

Run 6835: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 15015
Mean −0.008897
Std Dev 0.2084
Counts
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

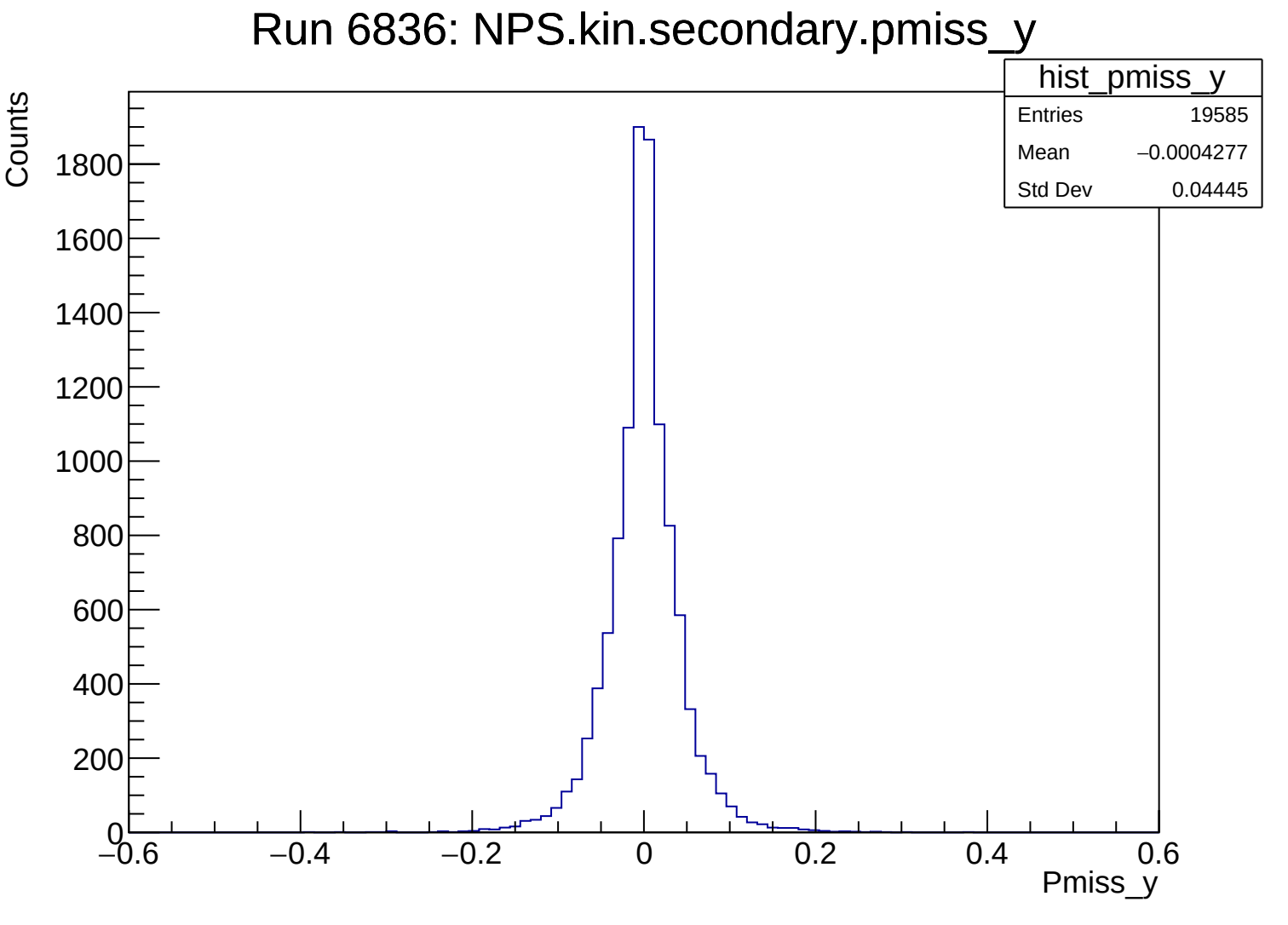

Run 6835: H.gtr.ph
hist_ph
Entries 15015
Mean 0.008856
Std Dev 0.01276
Counts
450
400
350
300
250
200
150
100
50
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

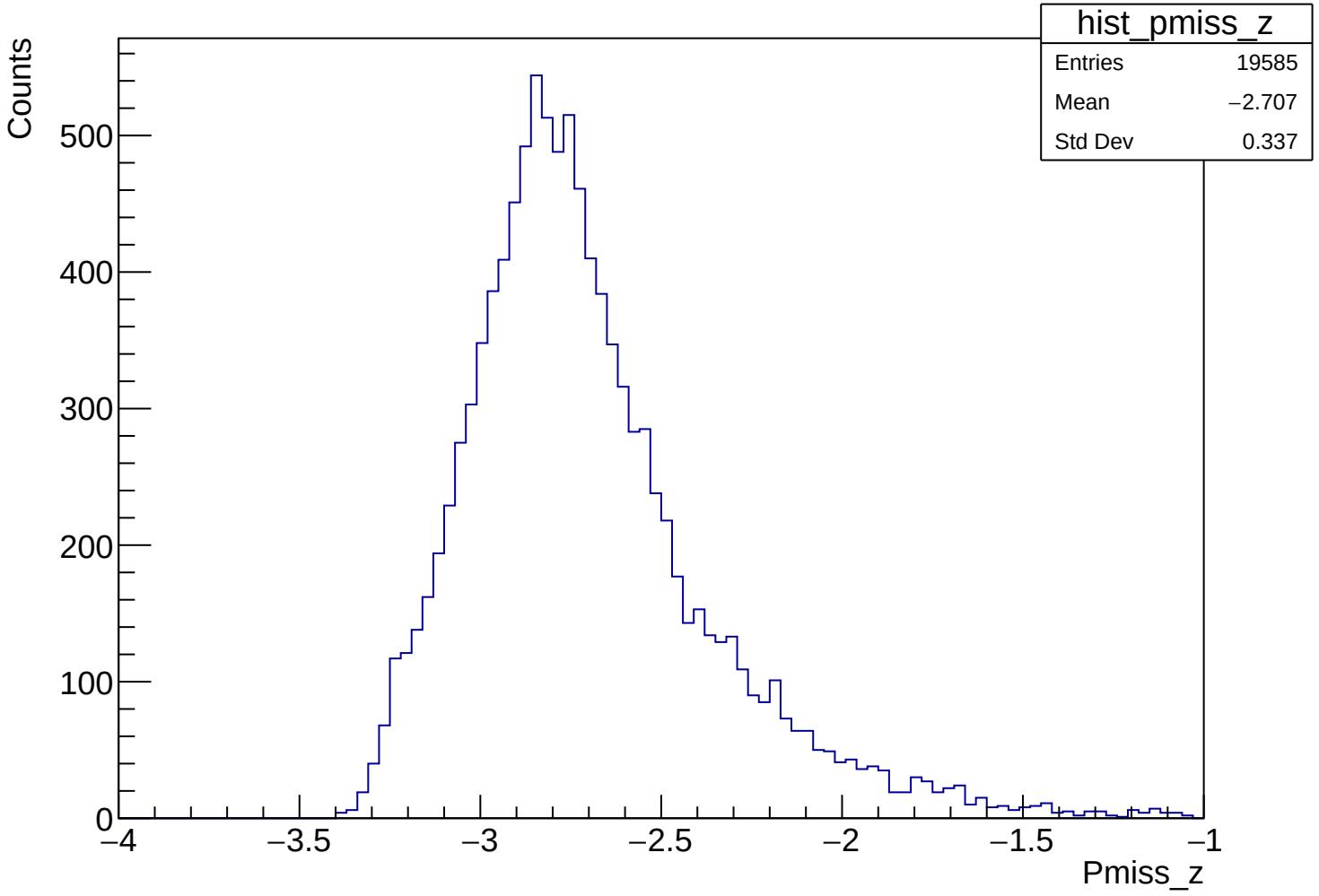

Run 6835: H.gtr.th
hist_th
Entries 15015
Mean −0.002188
Std Dev 0.03652
Counts
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

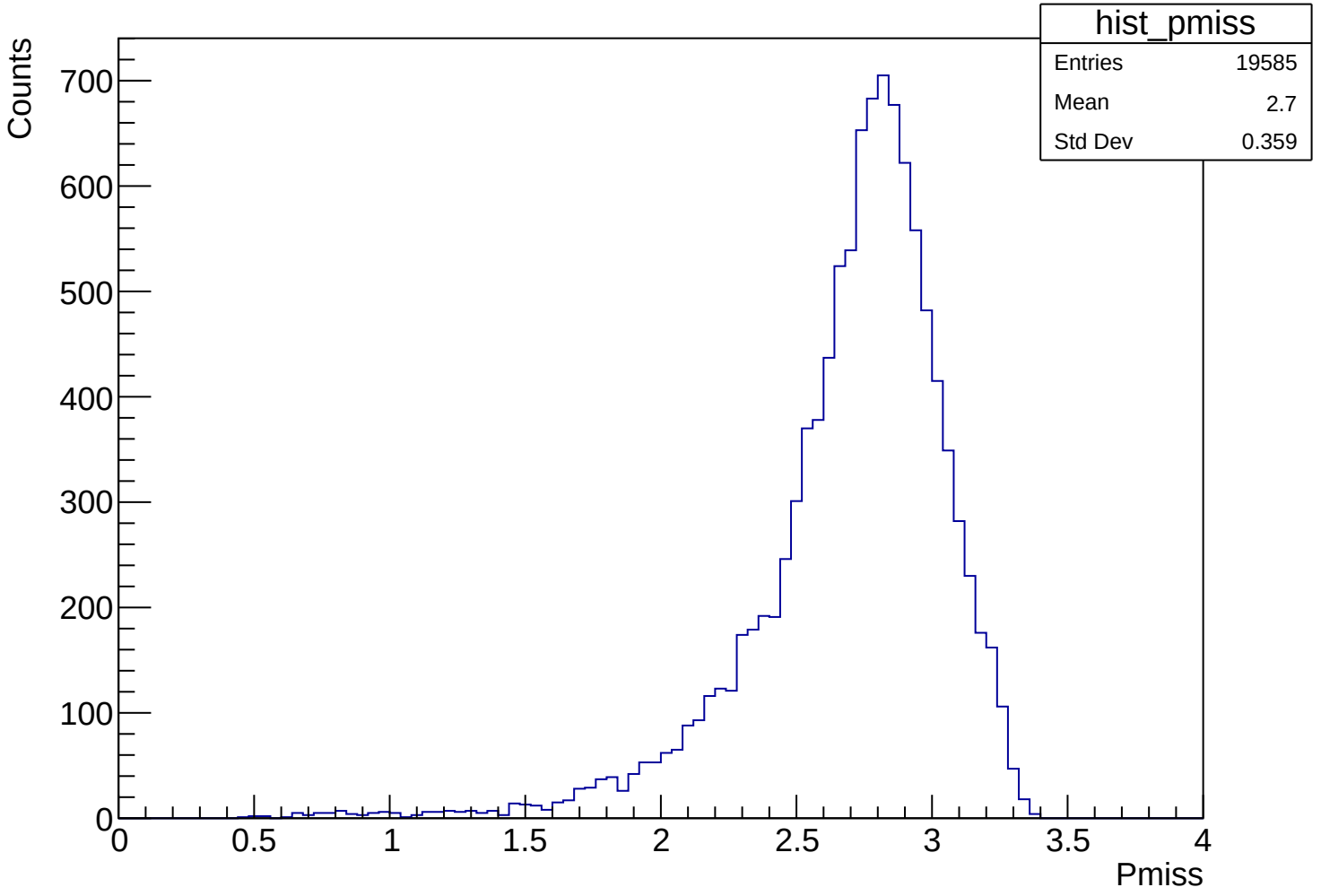

Run 6836: H.kin.W2
hist_w2
Entries 19585
Mean 0.8653
Std Dev 0.05968
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

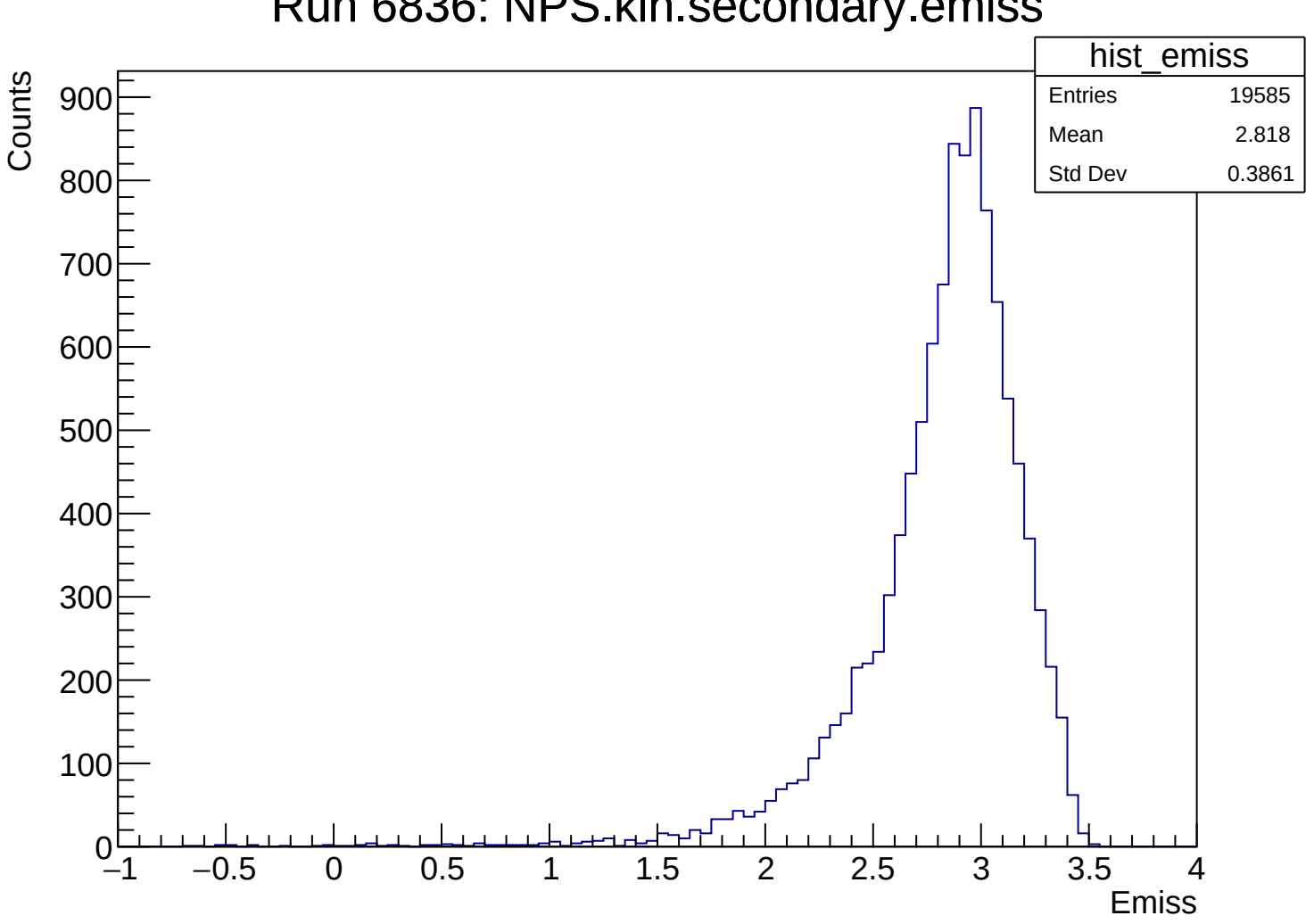

Run 6836: H.kin.x_bj
hist_x_bj
Entries 19585
Mean 1.003
Std Dev 0.01311
Counts
5000
4000
3000
2000
1000
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

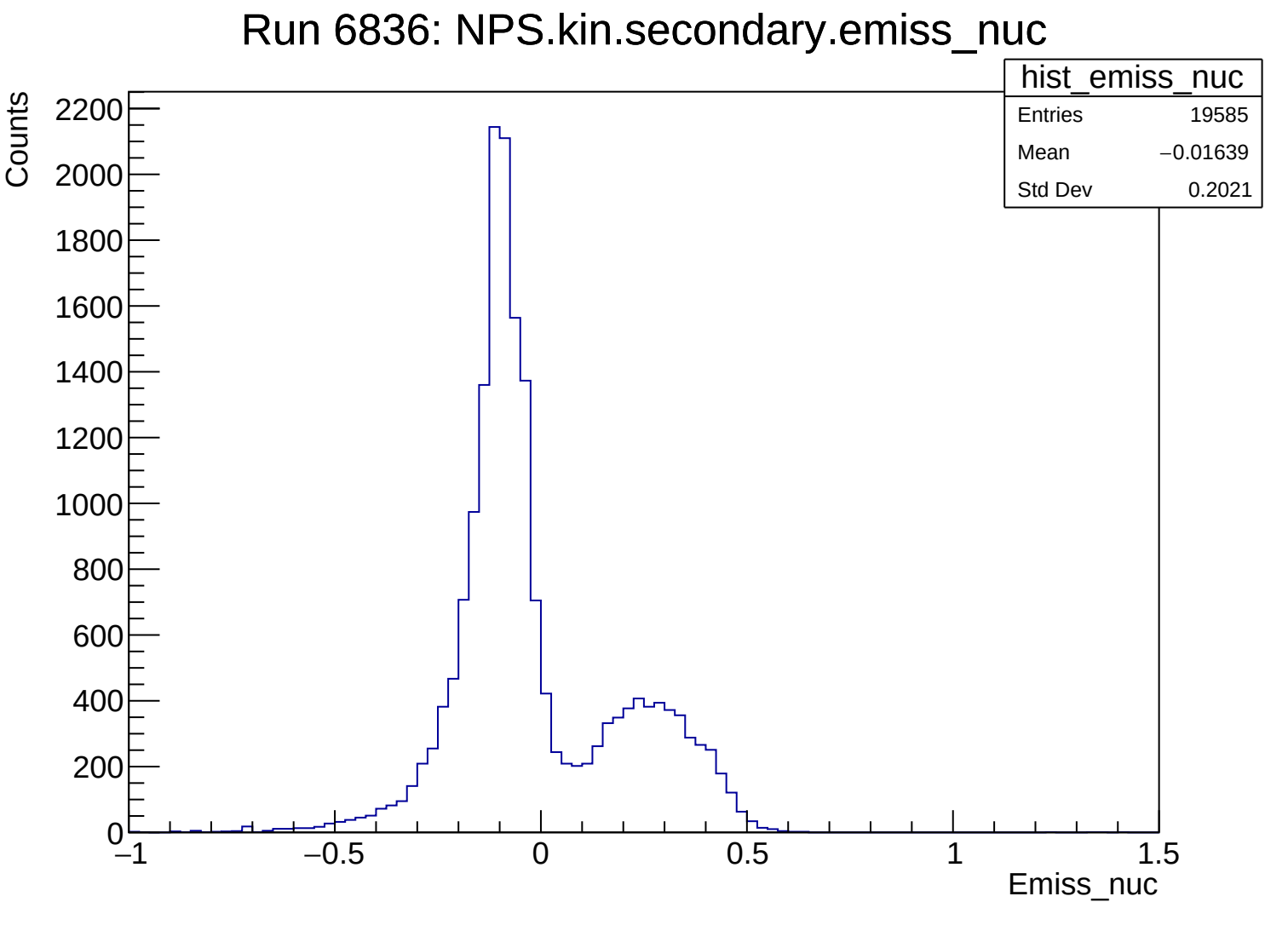

Run 6836: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 19585
Mean 0.08555
Std Dev 0.06645
Counts
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

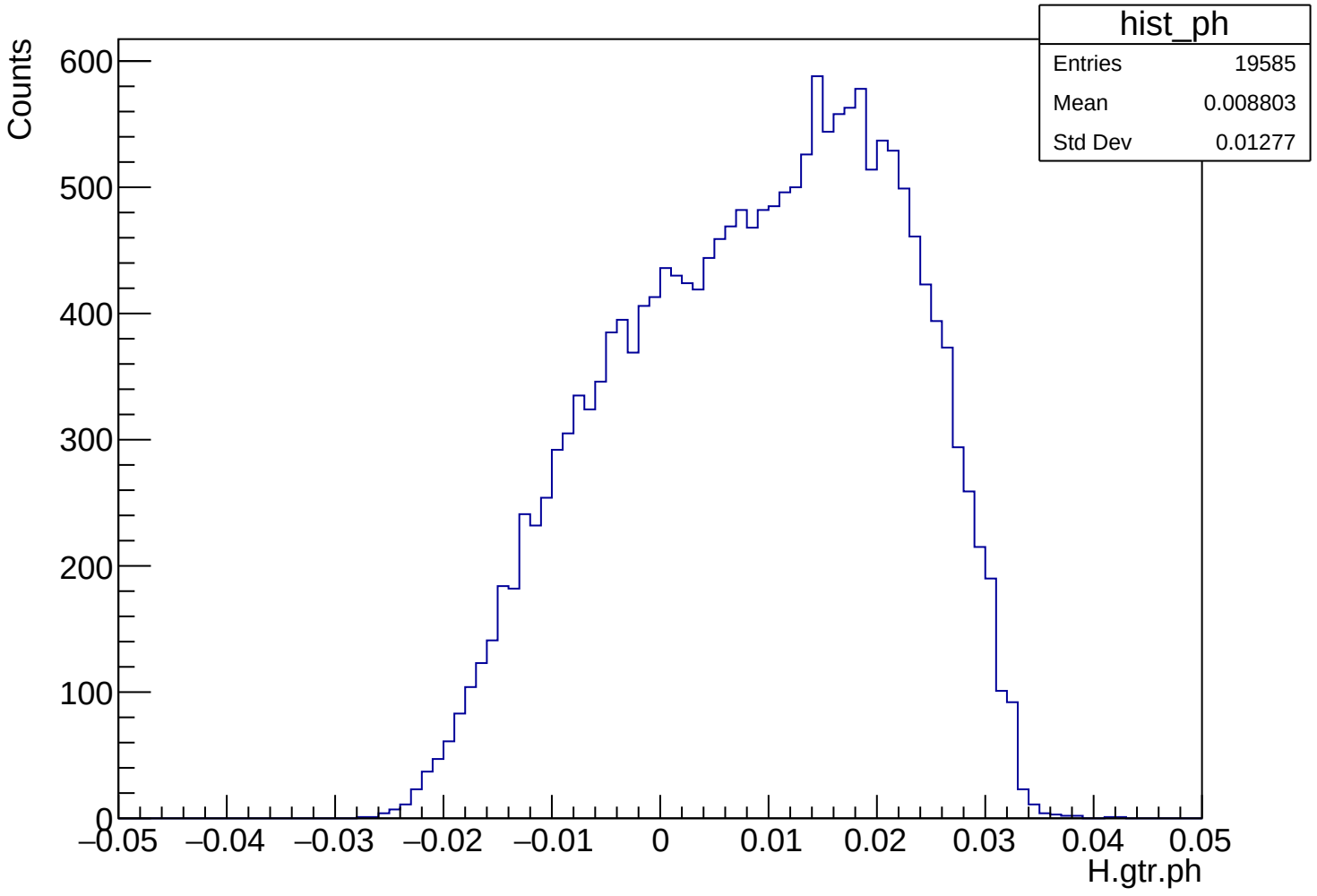

Run 6836: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 19585
Mean −0.0004277
Std Dev 0.04445
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

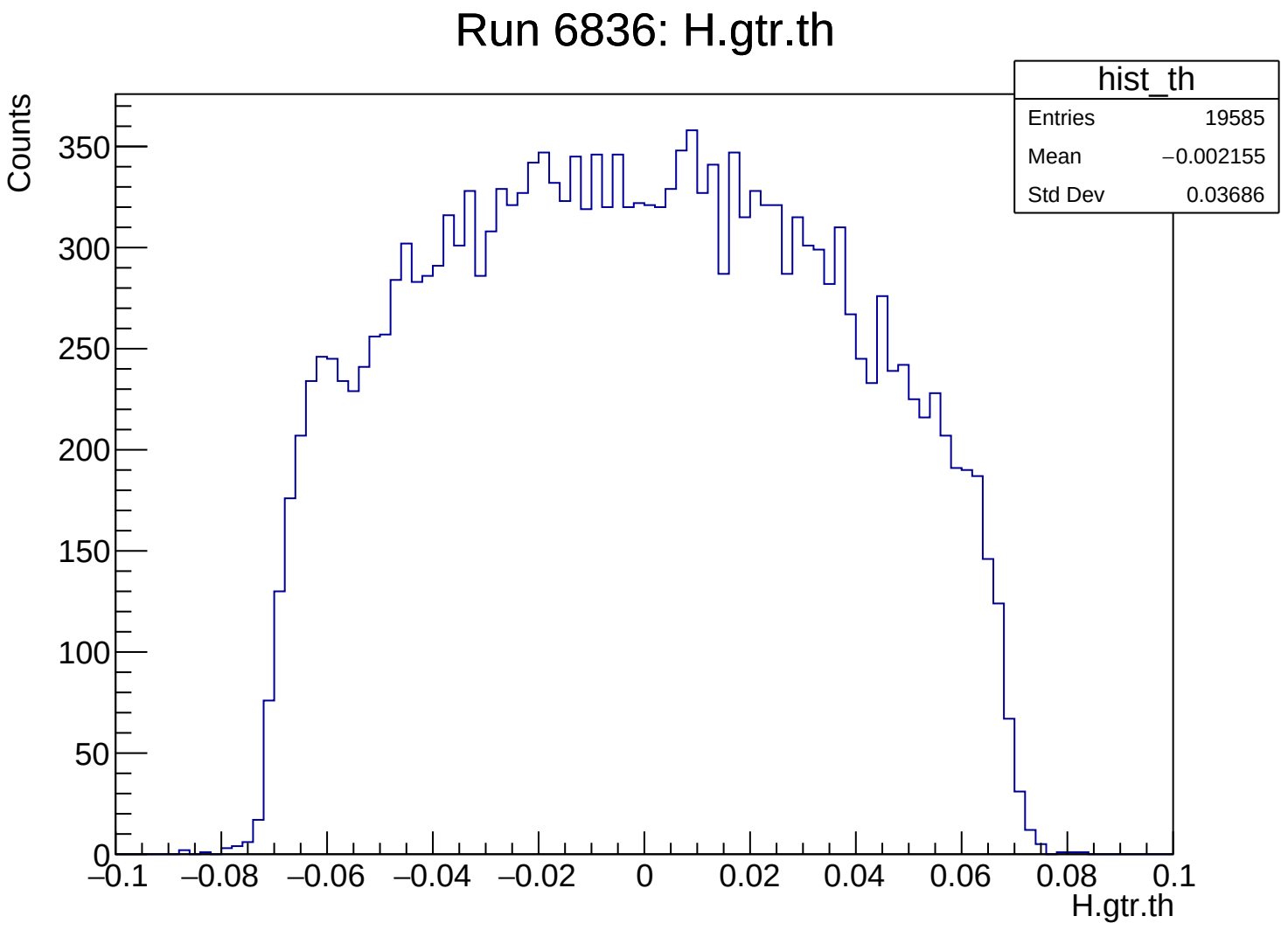

Run 6836: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 19585
Mean −2.707
Std Dev 0.337
Counts
0
100
200
300
400
500
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

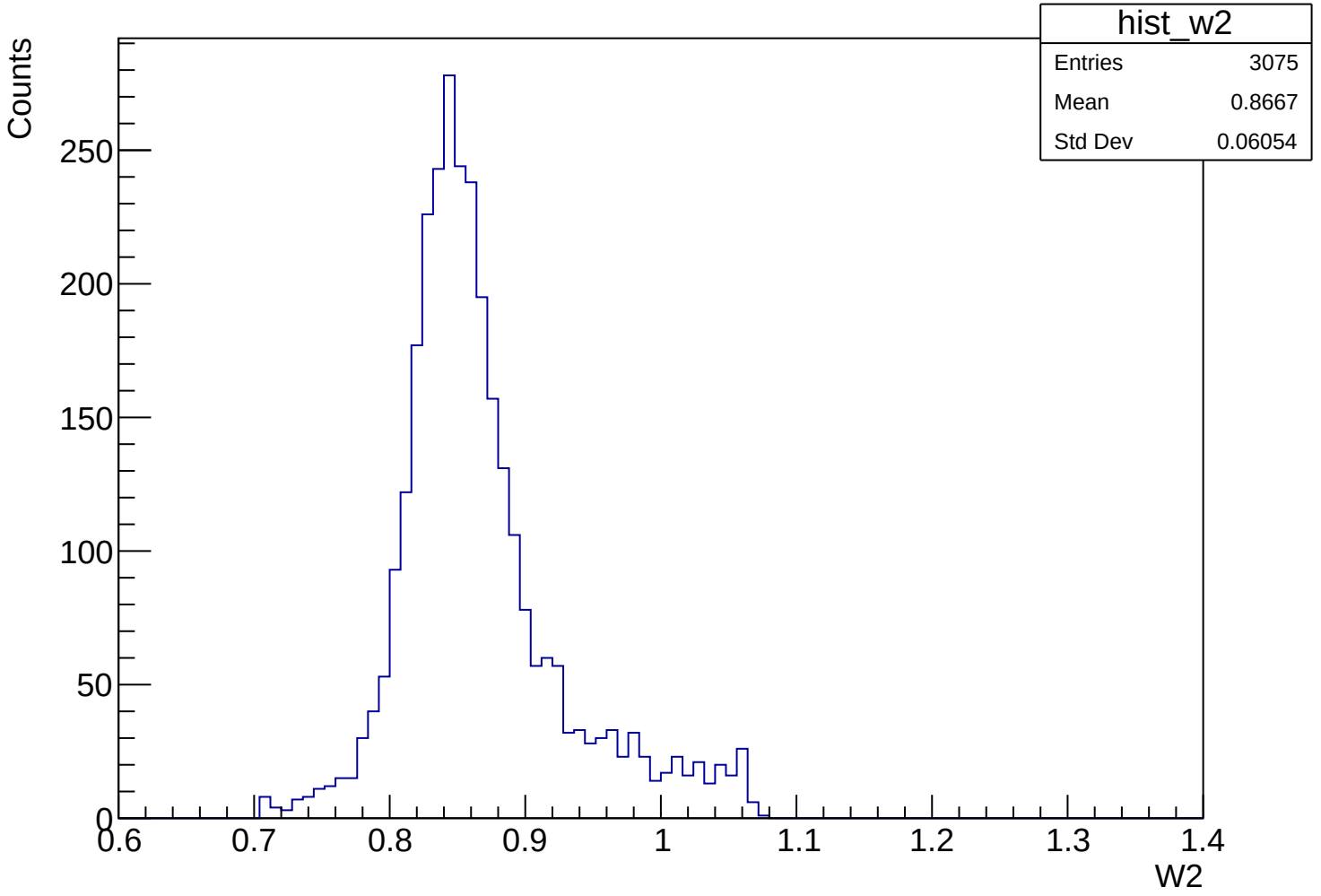

Run 6836: NPS.kin.secondary.pmiss
hist_pmiss
Entries 19585
Mean 2.7
Std Dev 0.359
Counts
0
100
200
300
400
500
600
700
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

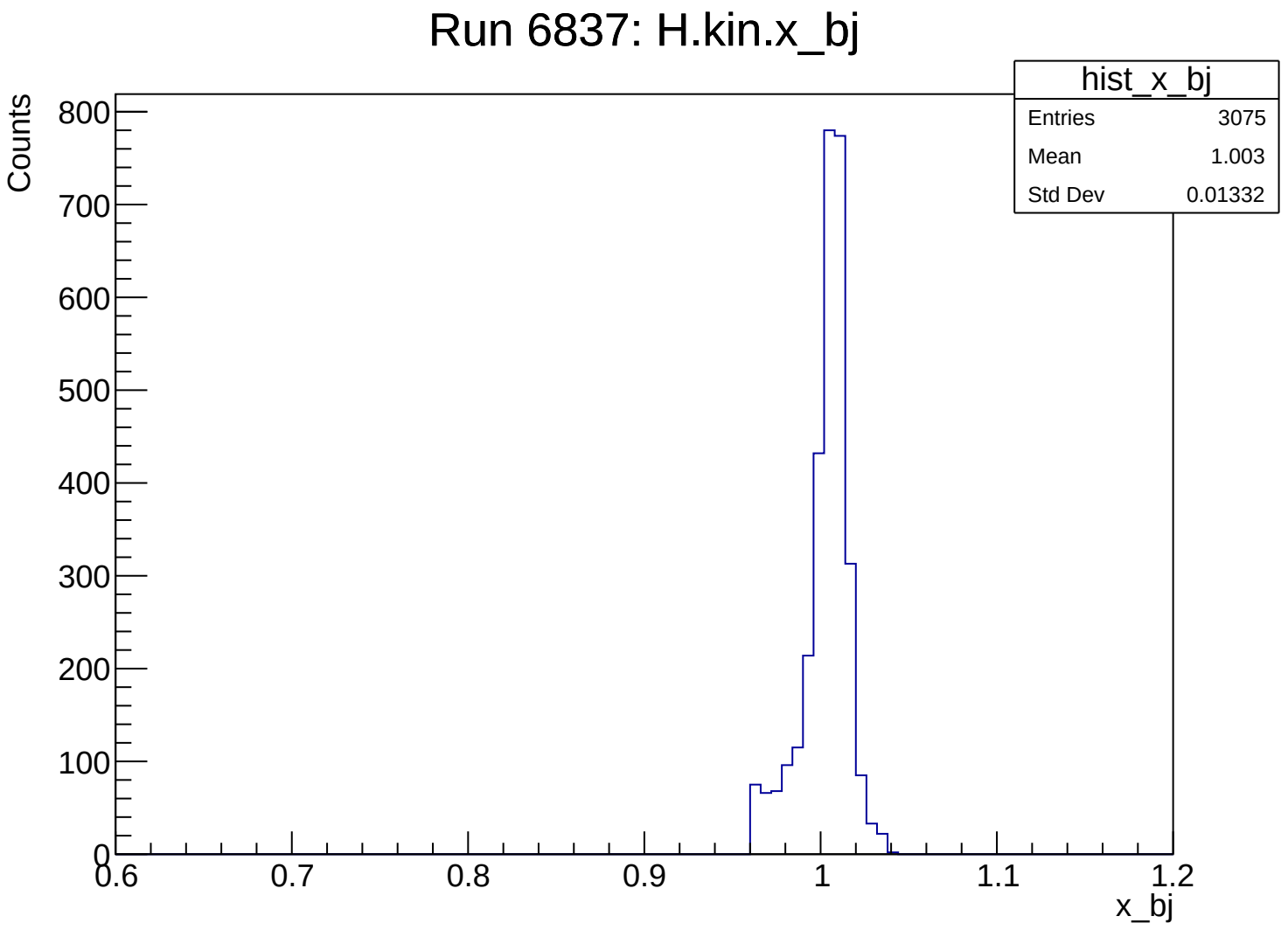

Run 6836: NPS.kin.secondary.emiss
hist_emiss
Entries 19585
Mean 2.818
Std Dev 0.3861
Counts
900
800
700
600
500
400
300
200
100
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

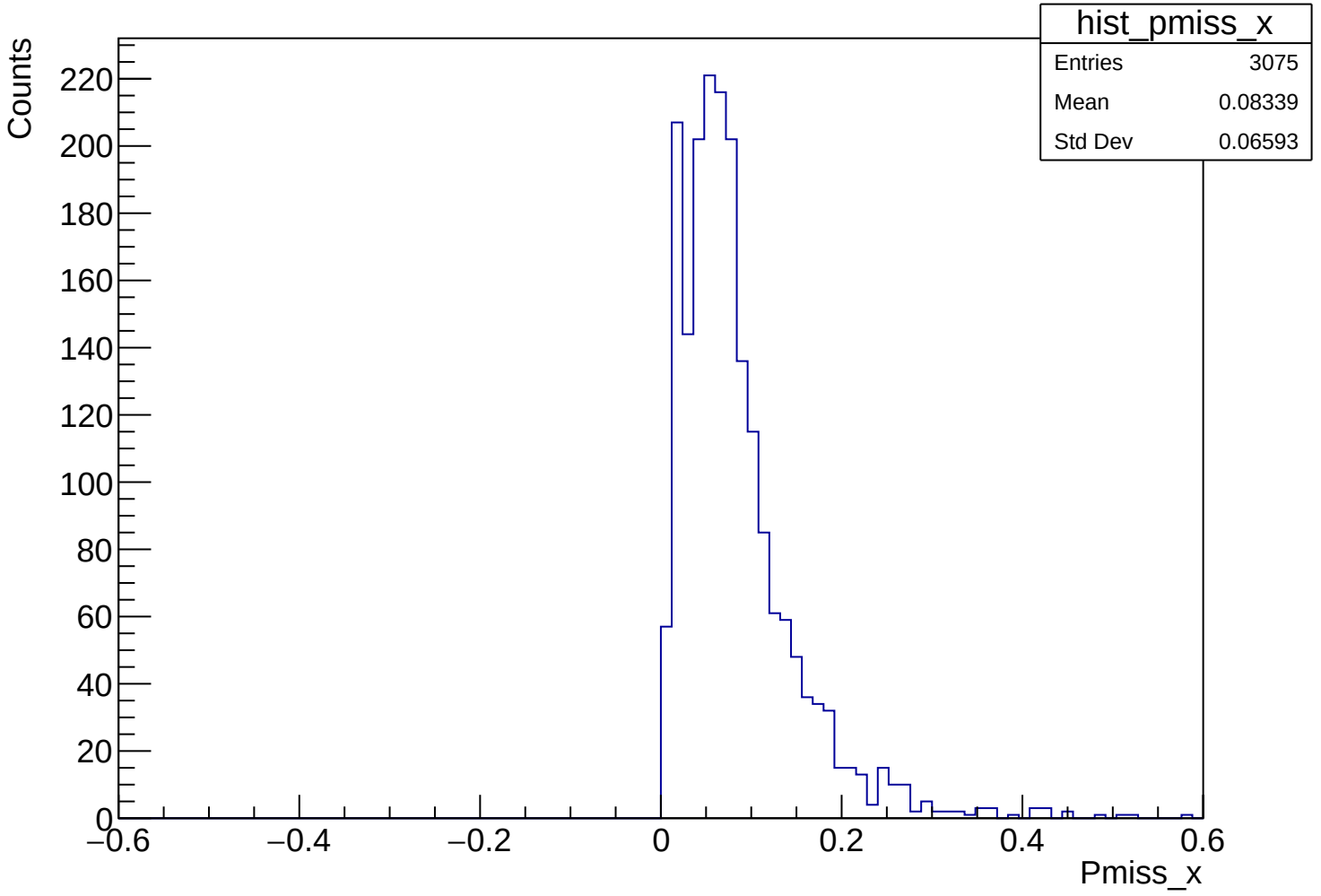

Run 6836: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 19585
Mean −0.01639
Std Dev 0.2021
Counts
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

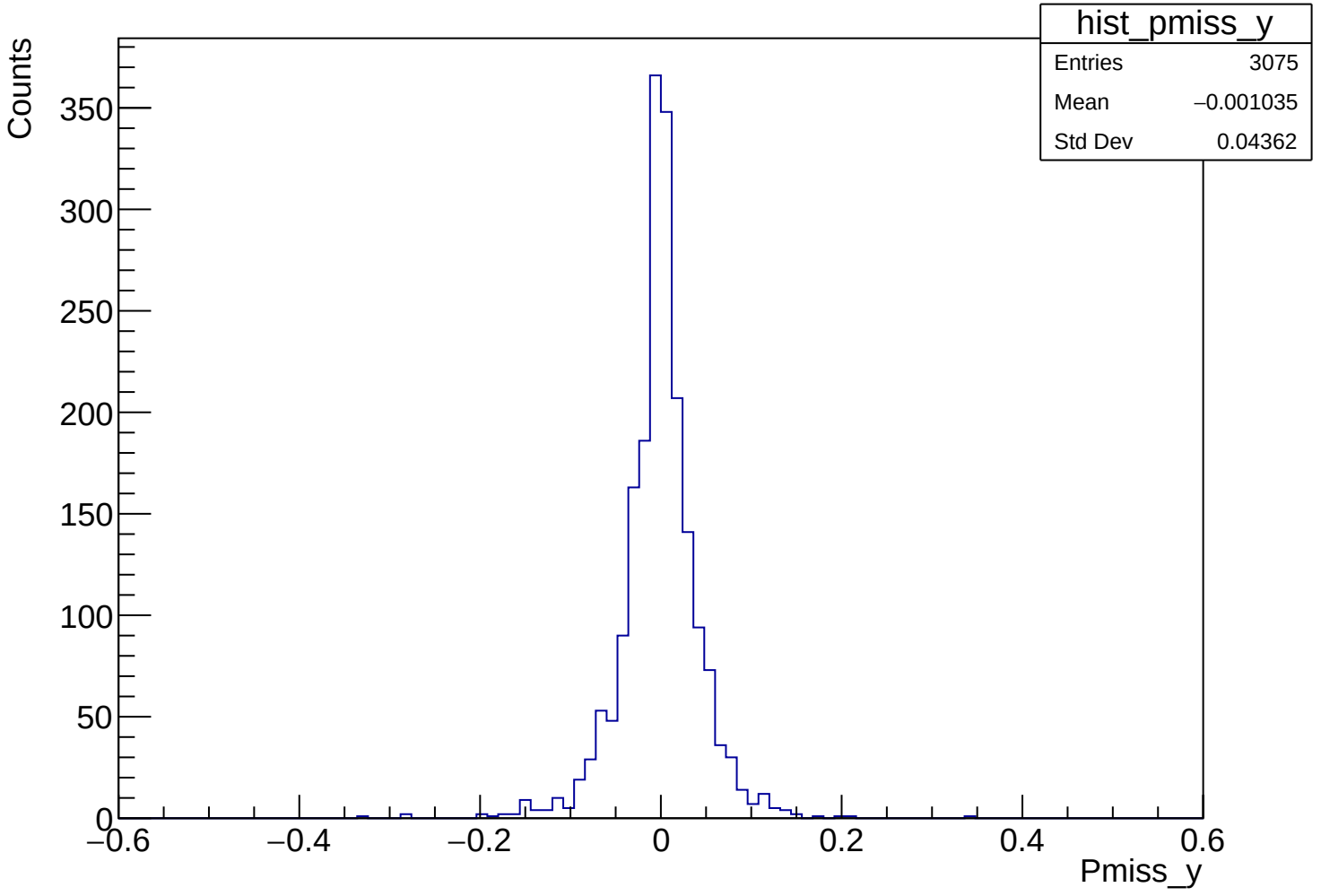

Run 6836: H.gtr.ph
hist_ph
Entries 19585
Mean 0.008803
Std Dev 0.01277
Counts
600
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

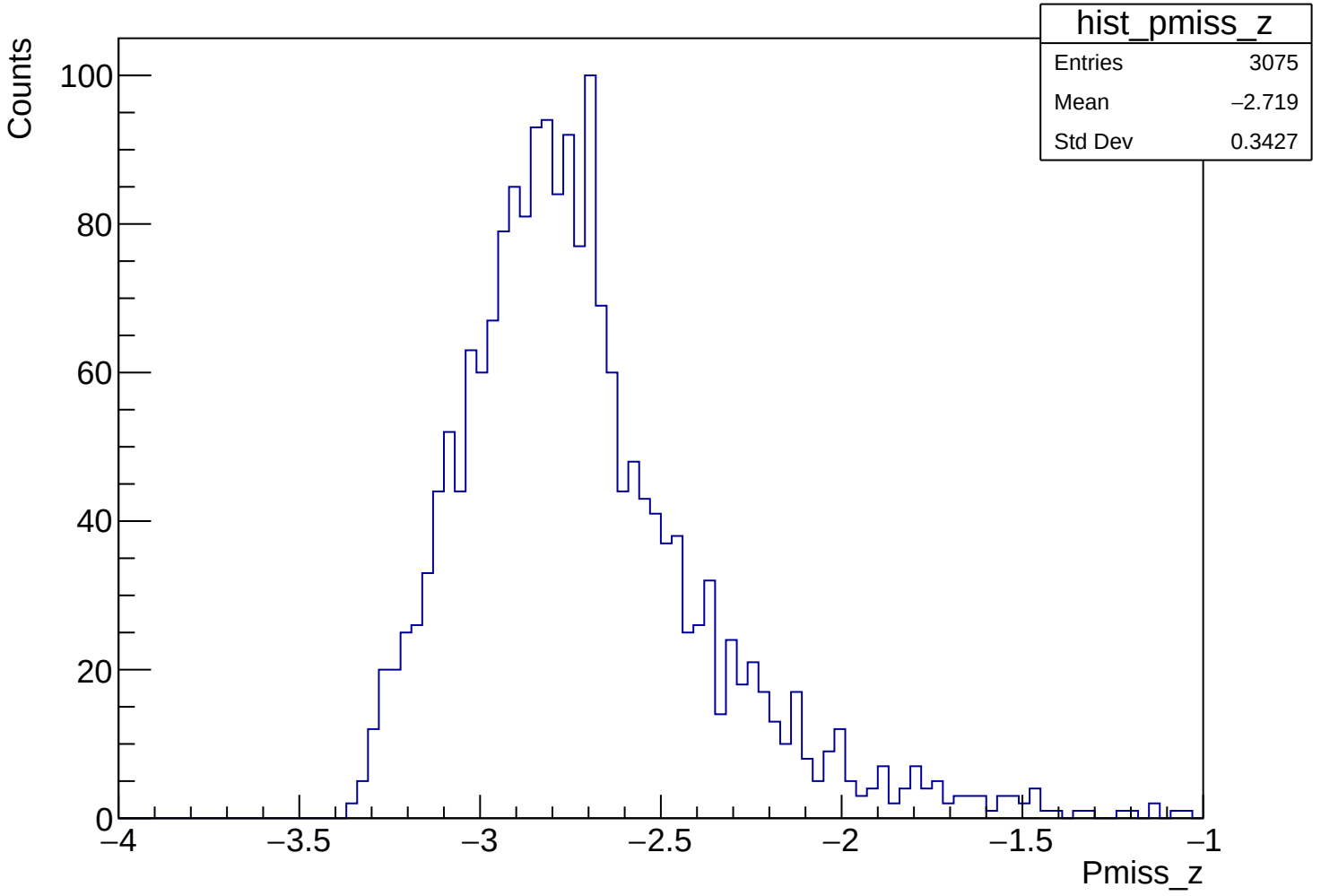

Run 6836: H.gtr.th
hist_th
Entries 19585
Mean −0.002155
Std Dev 0.03686
Counts
350
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

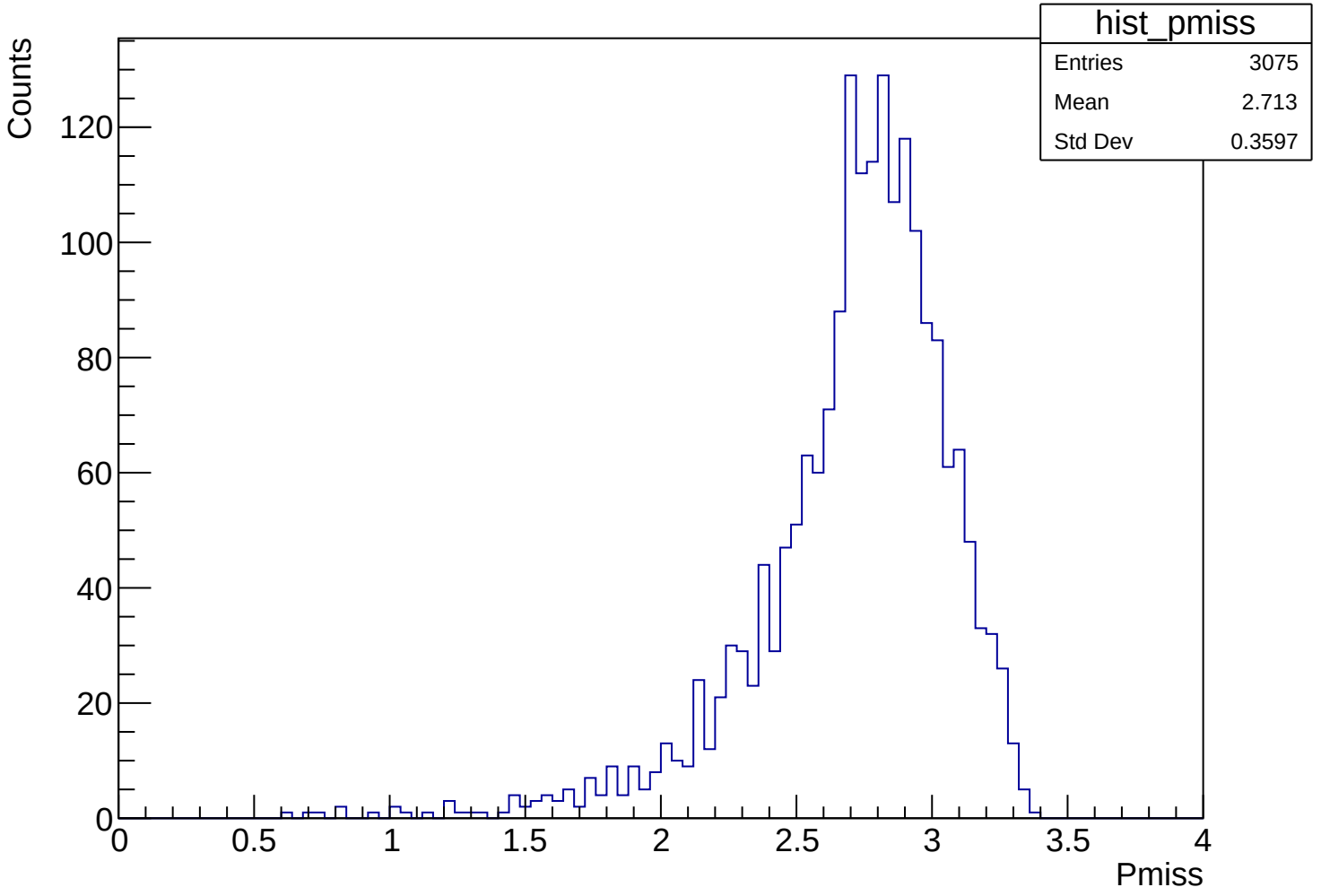

Run 6837: H.kin.W2
hist_w2
Entries 3075
Mean 0.8667
Std Dev 0.06054
Counts
250
200
150
100
50
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

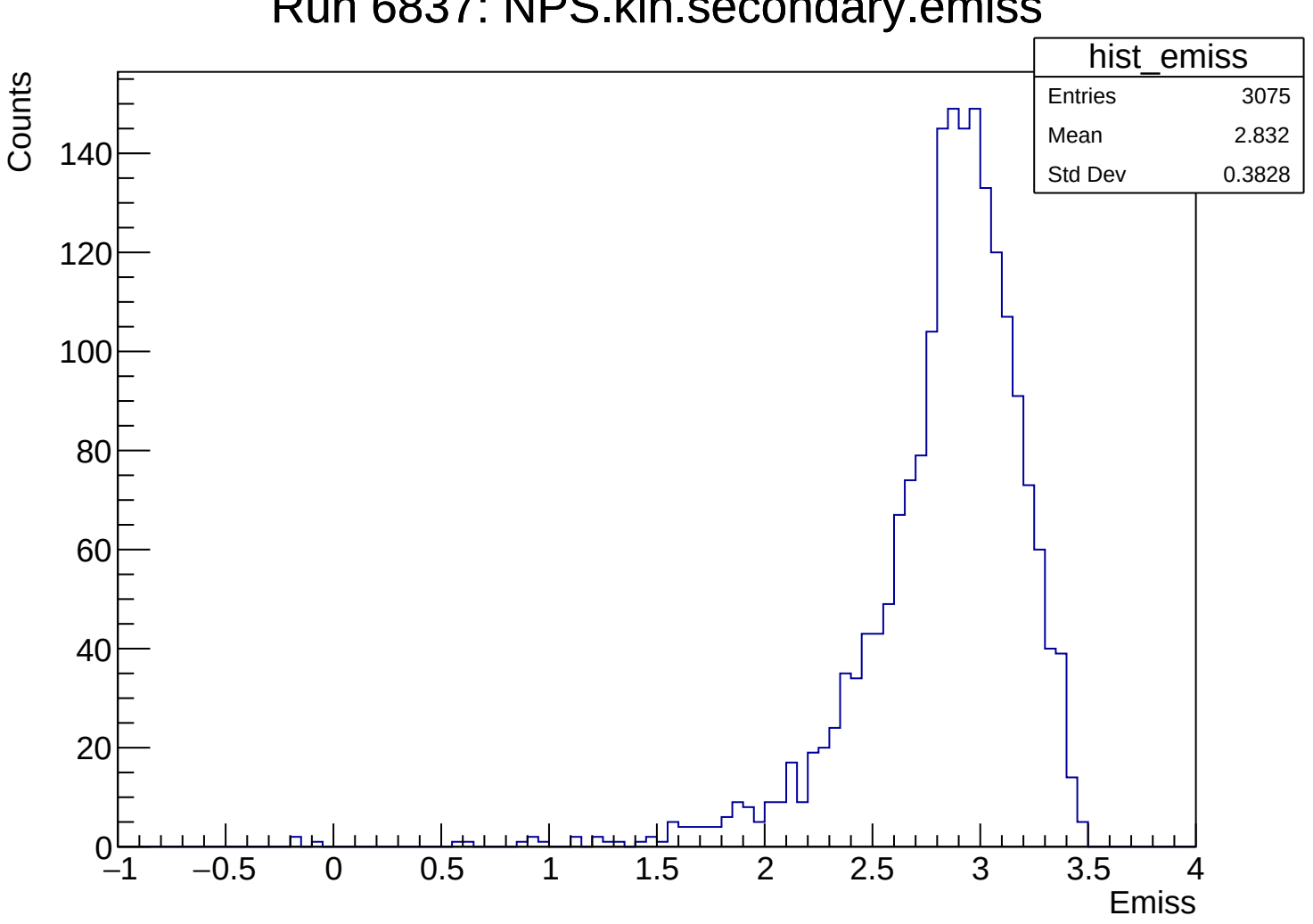

Run 6837: H.kin.x_bj
hist_x_bj
Entries 3075
Mean 1.003
Std Dev 0.01332
Counts
800
700
600
500
400
300
200
100
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

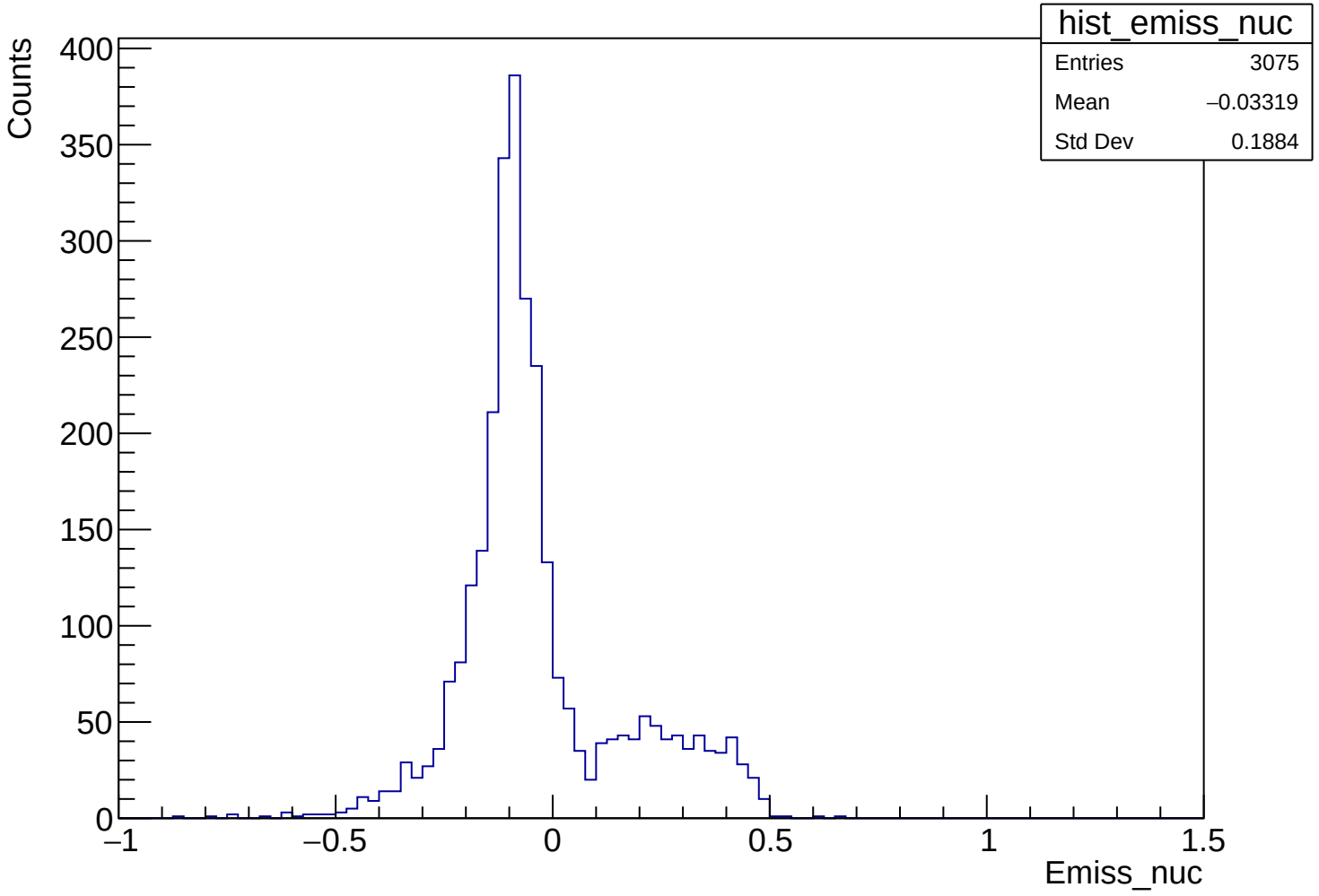

Run 6837: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 3075
Mean 0.08339
Std Dev 0.06593
Counts
220
200
180
160
140
120
100
80
60
40
20
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

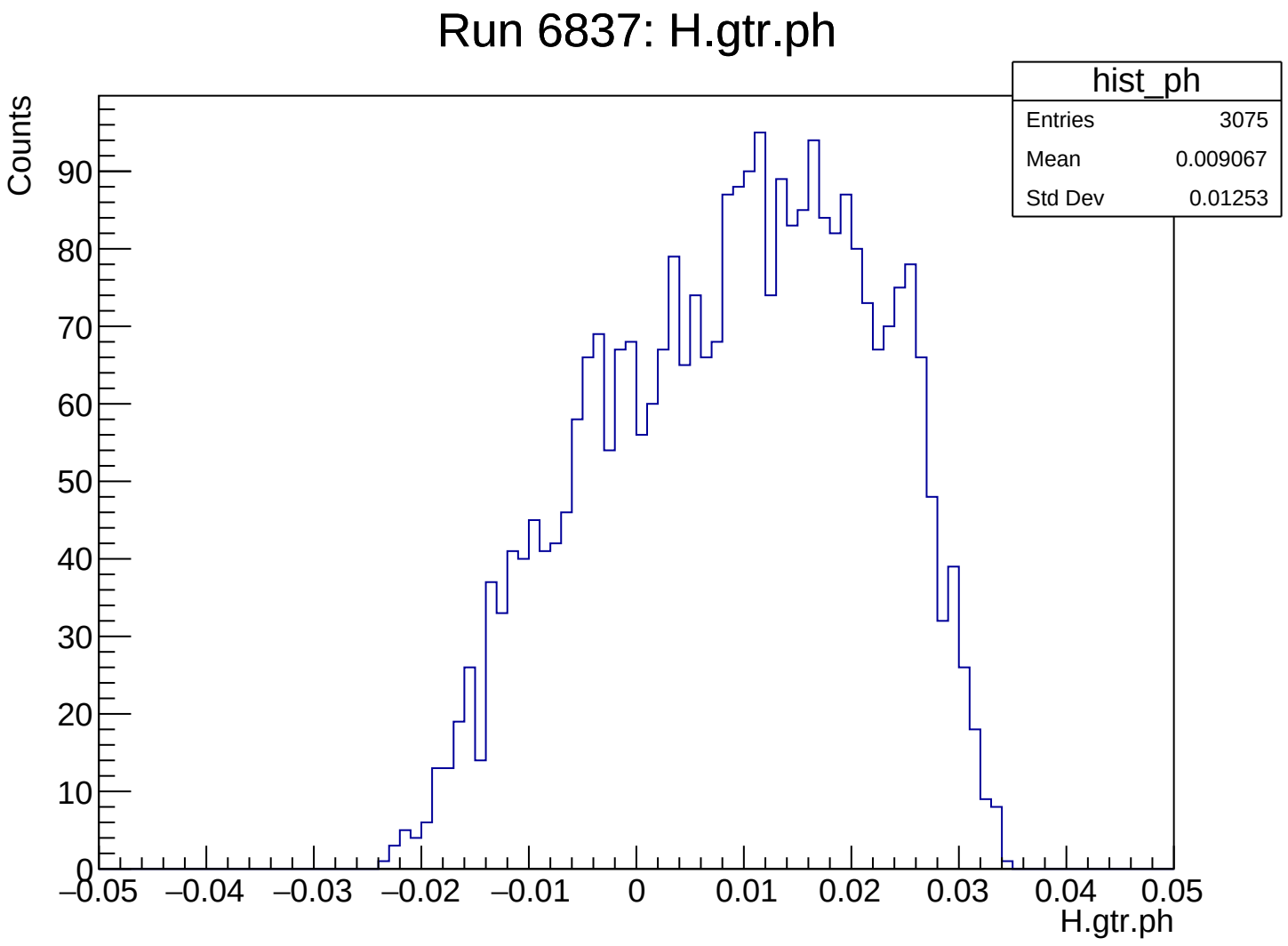

Run 6837: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 3075
Mean −0.001035
Std Dev 0.04362
Counts
350
300
250
200
150
100
50
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

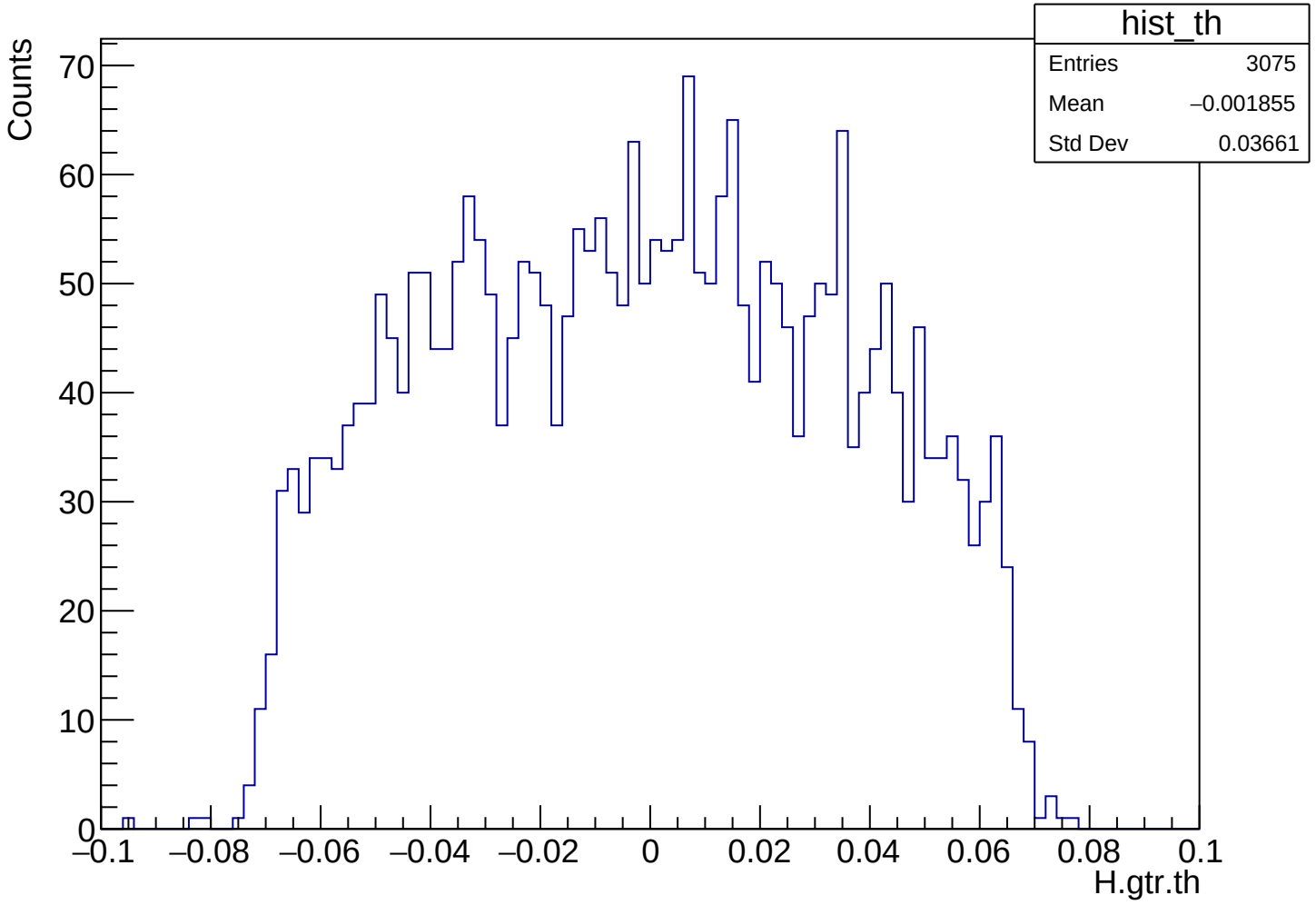

Run 6837: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 3075
Mean –2.719
Std Dev 0.3427
Counts
100
80
60
40
20
0
–4
–3.5
–3
–2.5
–2
–1.5
–1
Pmiss_z

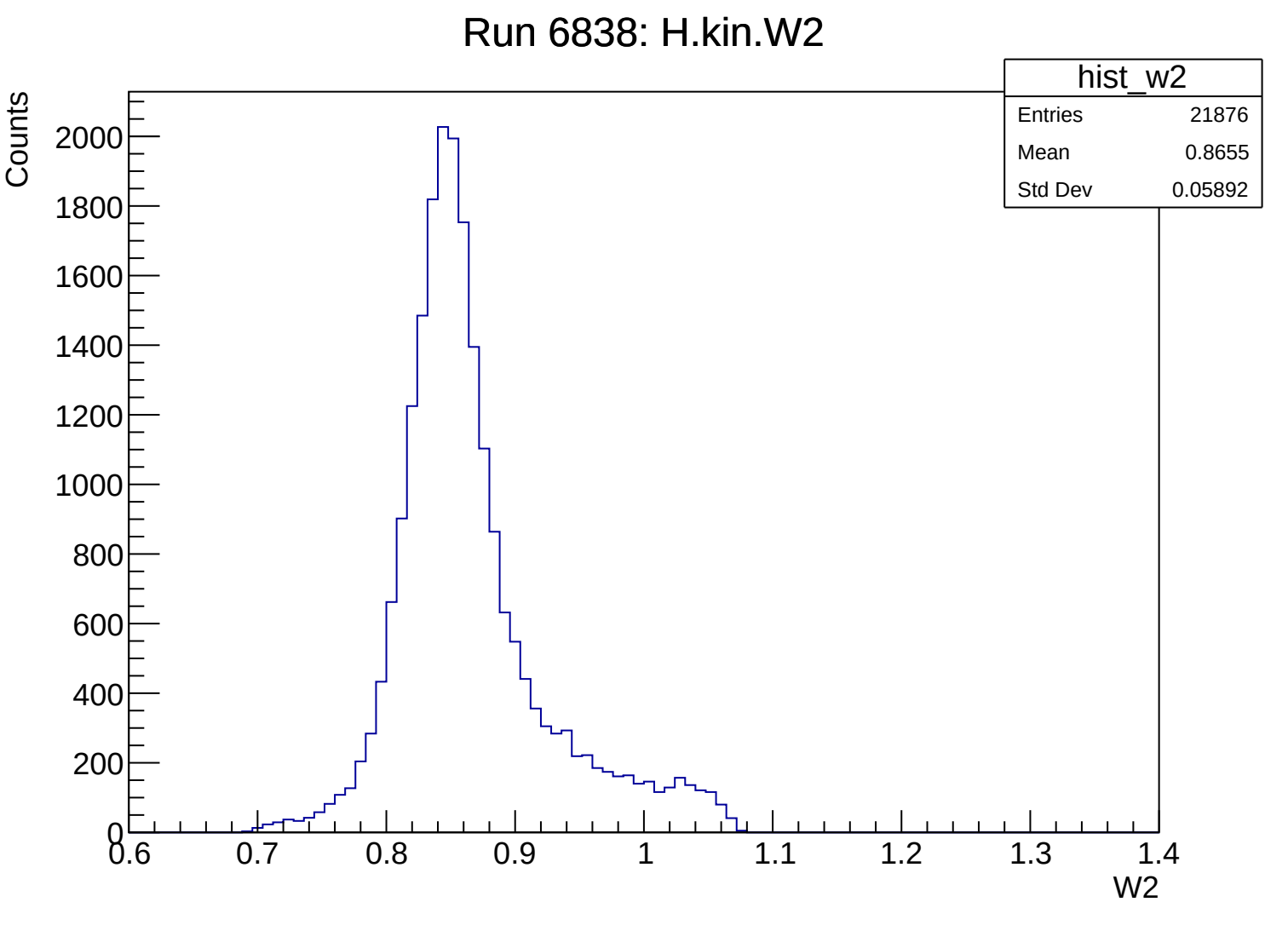

Run 6837: NPS.kin.secondary.pmiss
hist_pmiss
Entries 3075
Mean 2.713
Std Dev 0.3597
Counts
0
20
40
60
80
100
120
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

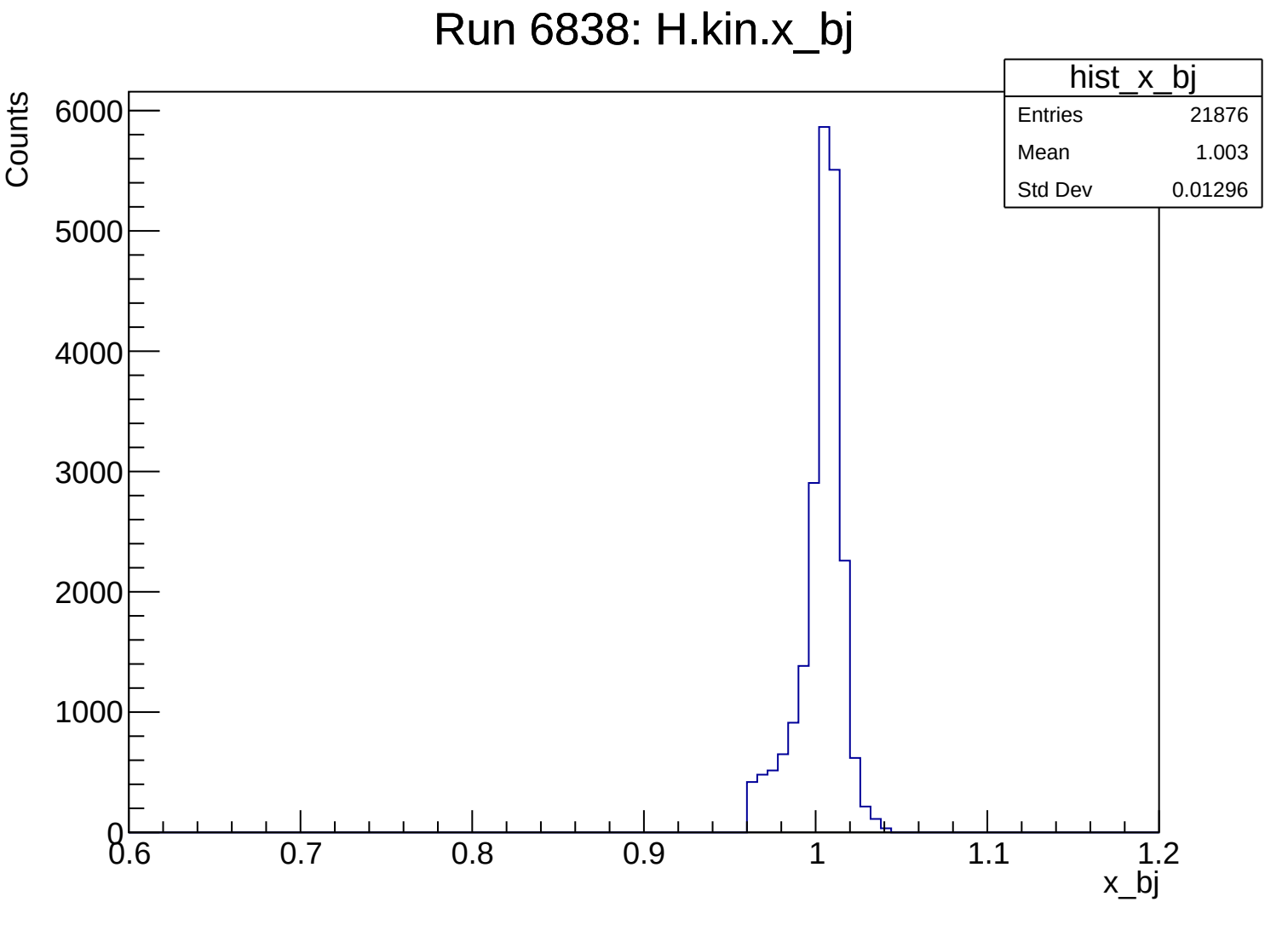

Run 6837: NPS.kin.secondary.emiss
hist_emiss
Entries 3075
Mean 2.832
Std Dev 0.3828
Counts
0
20
40
60
80
100
120
140
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

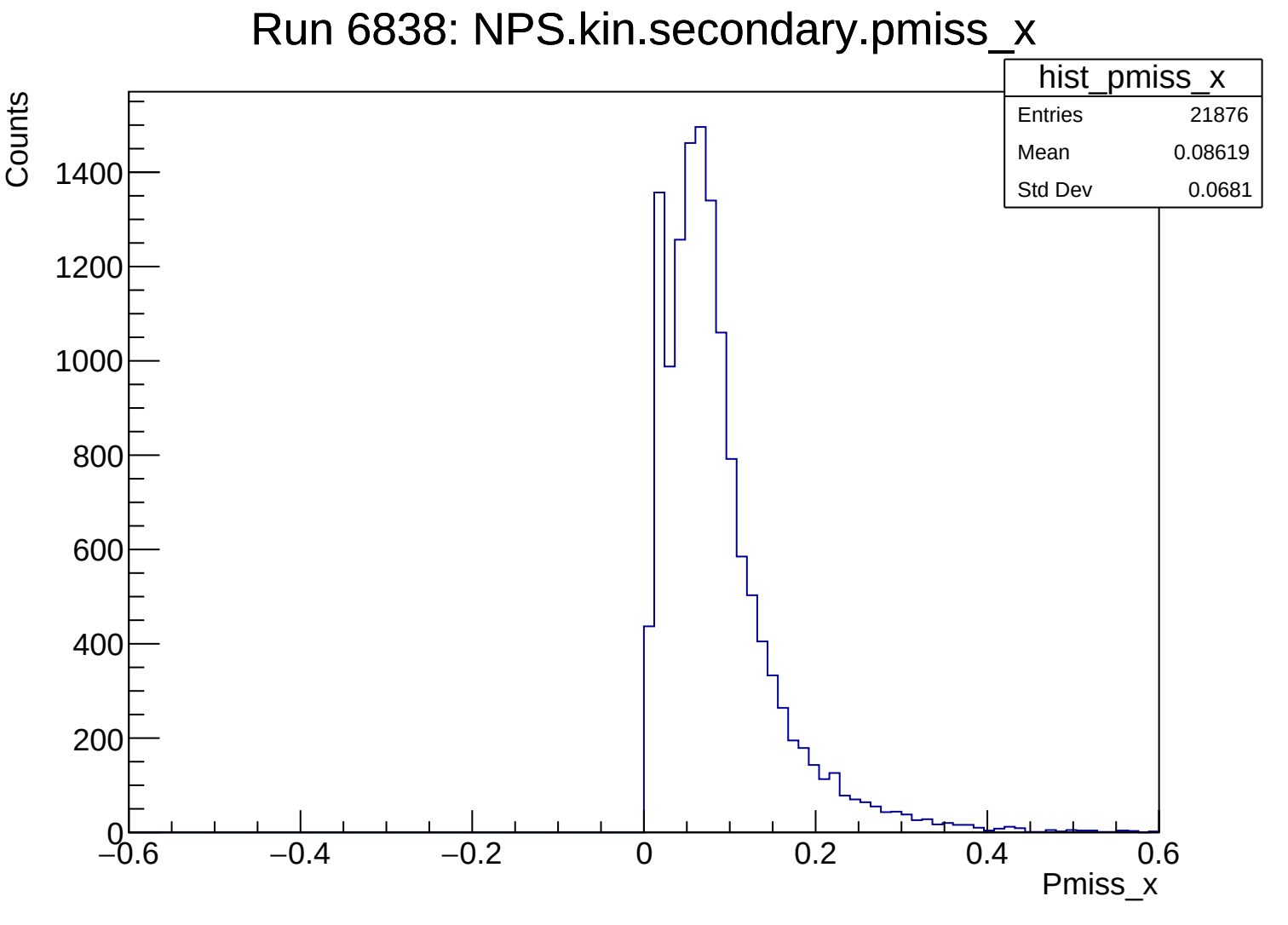

Run 6837: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 3075
Mean –0.03319
Std Dev 0.1884
Counts
400
350
300
250
200
150
100
50
0
–1
–0.5
0
0.5
1
1.5
Emiss_nuc

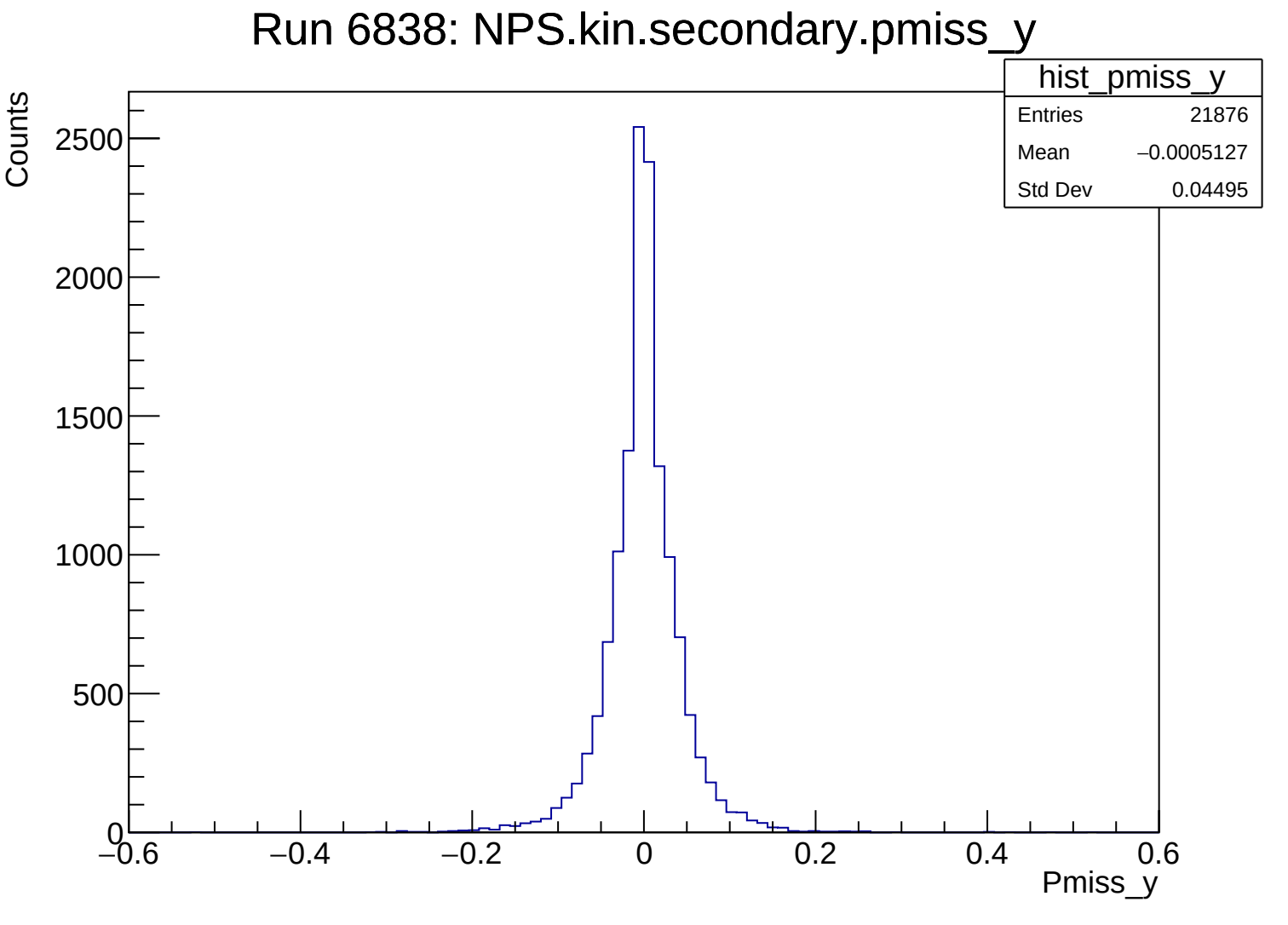

Run 6837: H.gtr.ph
hist_ph
Entries 3075
Mean 0.009067
Std Dev 0.01253
Counts
0
10
20
30
40
50
60
70
80
90
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

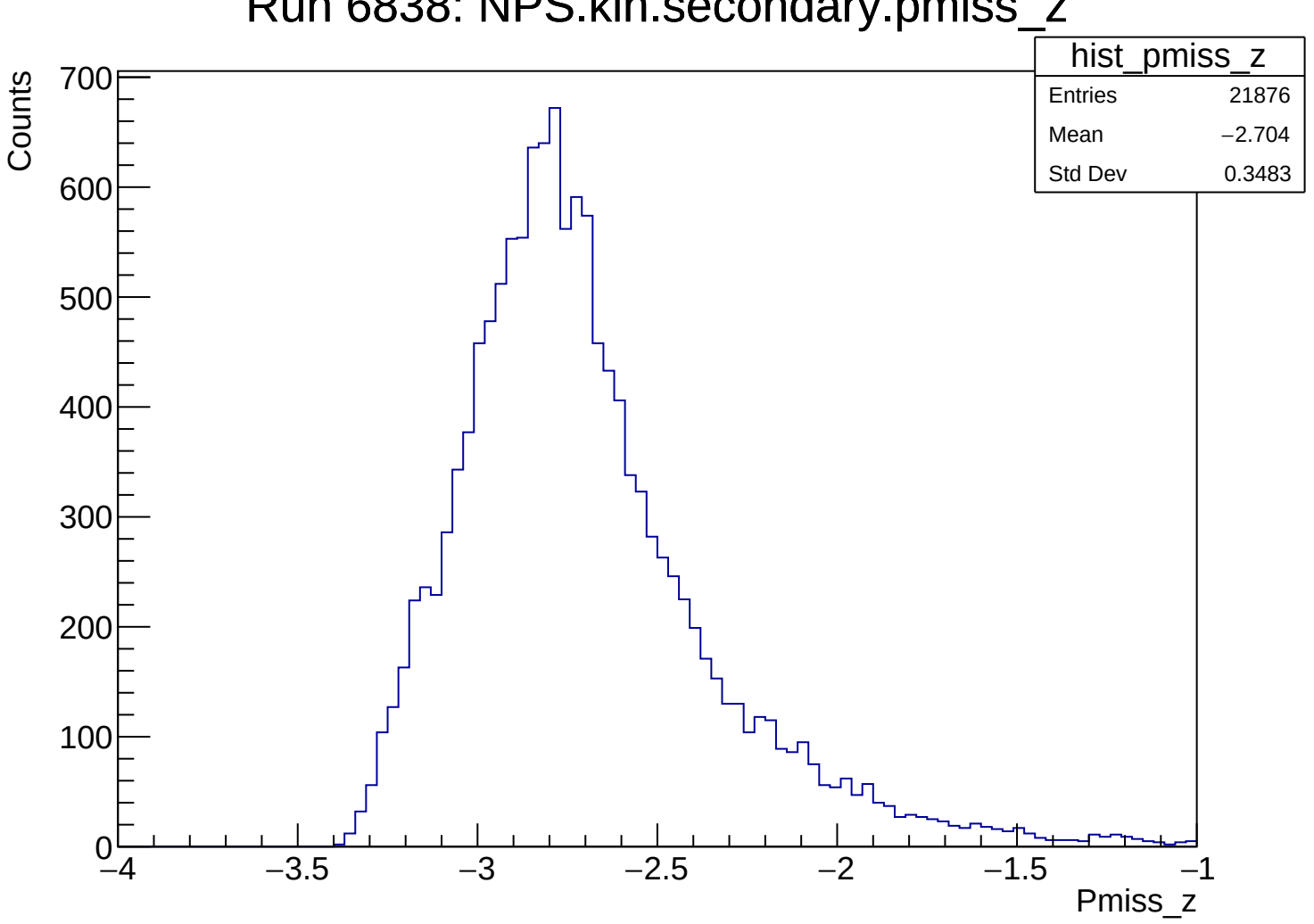

Run 6837: H.gtr.th
hist_th
Entries 3075
Mean –0.001855
Std Dev 0.03661
Counts
70
60
50
40
30
20
10
0
–0.1
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

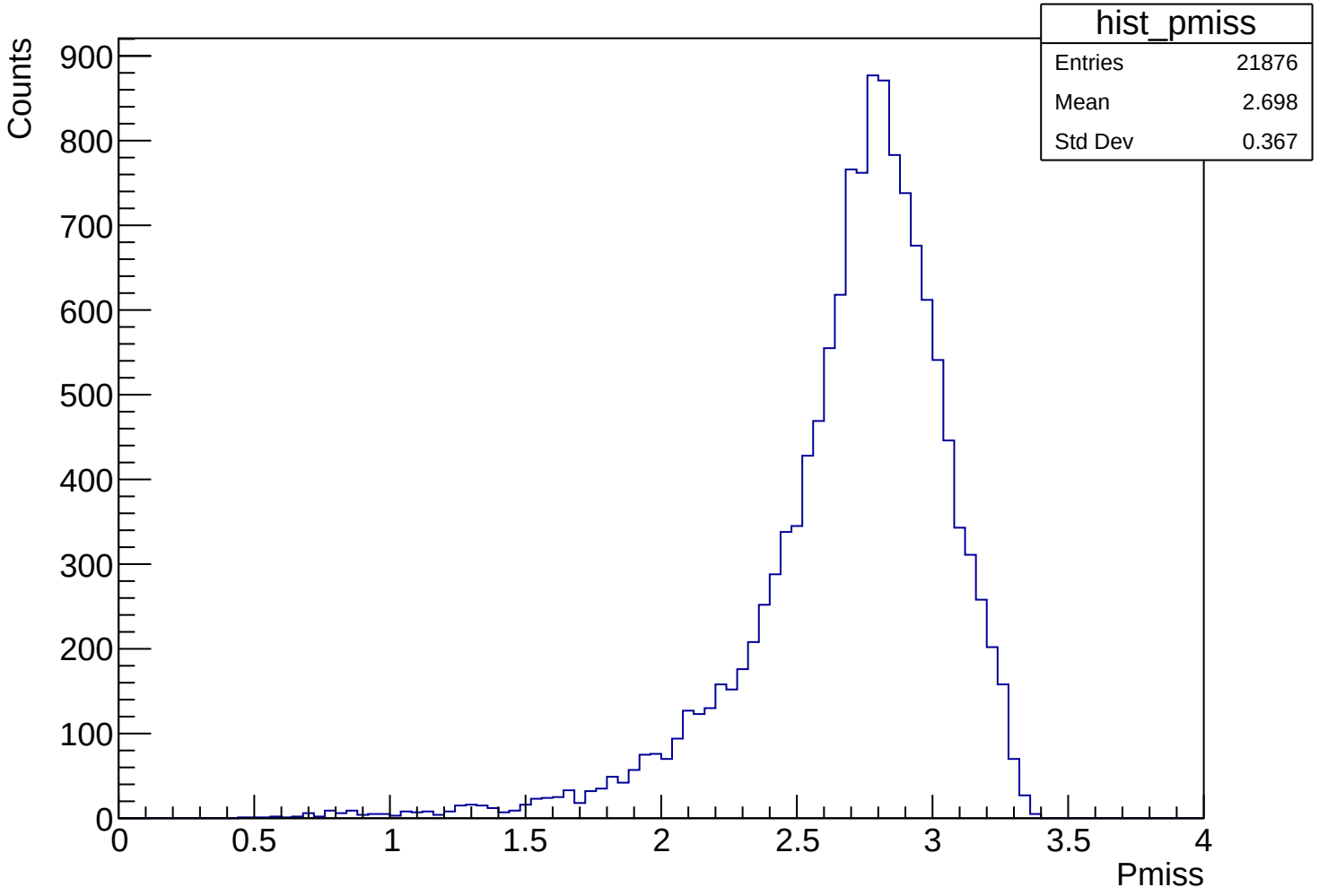

Run 6838: H.kin.W2
hist_w2
Entries 21876
Mean 0.8655
Std Dev 0.05892
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

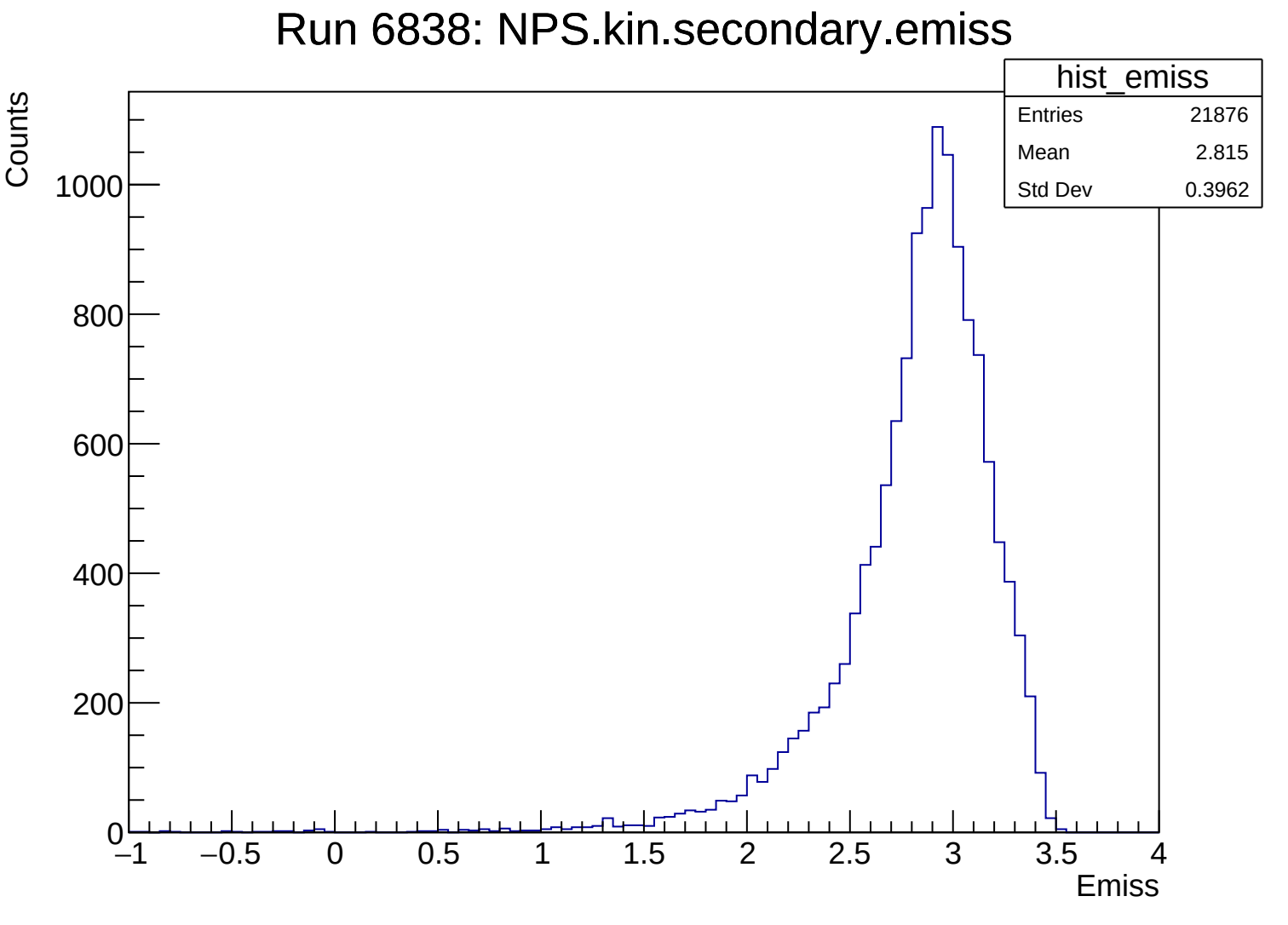

Run 6838: H.kin.x_bj
hist_x_bj
Entries 21876
Mean 1.003
Std Dev 0.01296
Counts
6000
5000
4000
3000
2000
1000
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

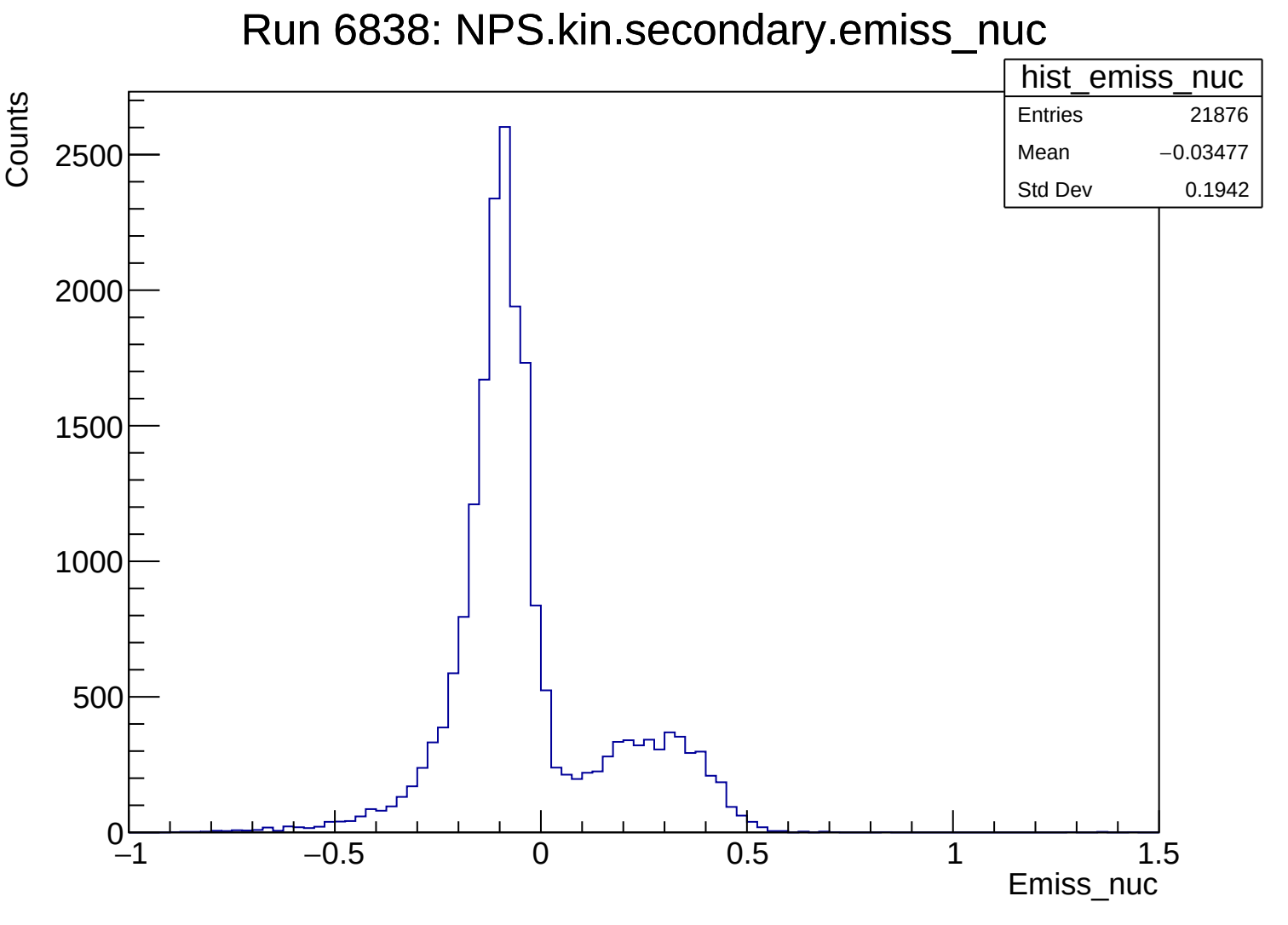

Run 6838: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 21876
Mean 0.08619
Std Dev 0.0681
Counts
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

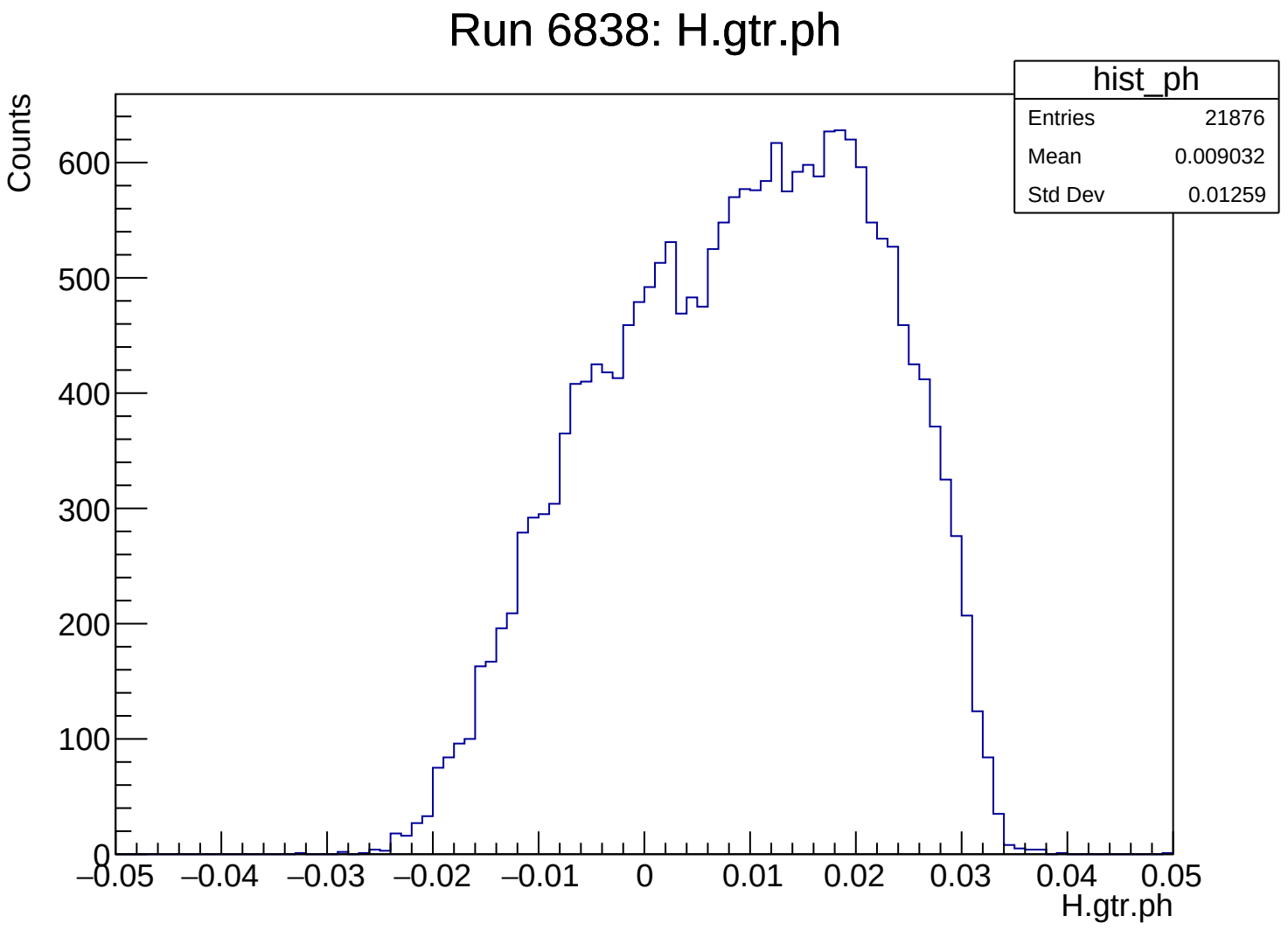

Run 6838: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 21876
Mean −0.0005127
Std Dev 0.04495
Counts
2500
2000
1500
1000
500
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

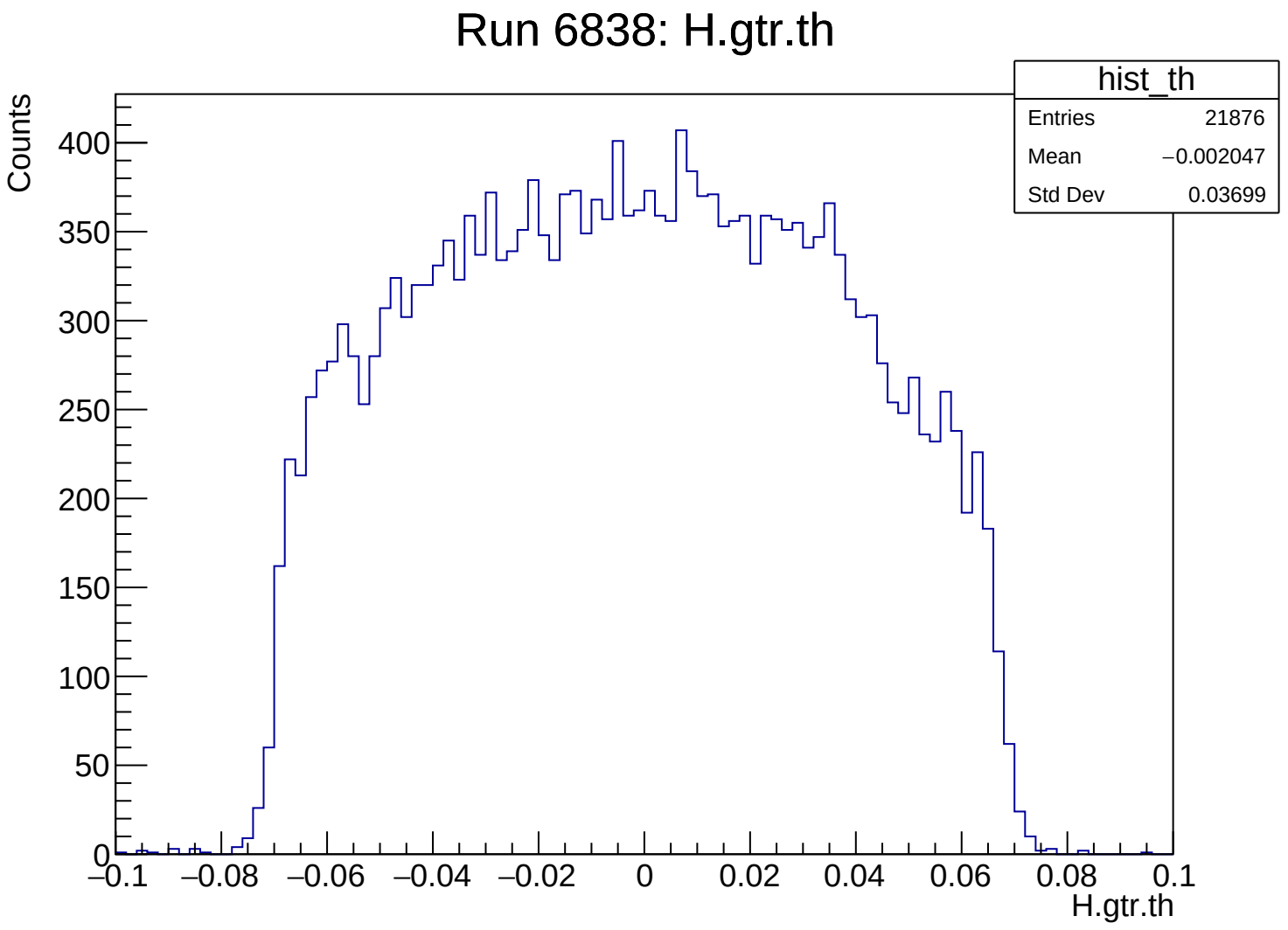

Run 6838: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 21876
Mean −2.704
Std Dev 0.3483
Counts
700
600
500
400
300
200
100
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

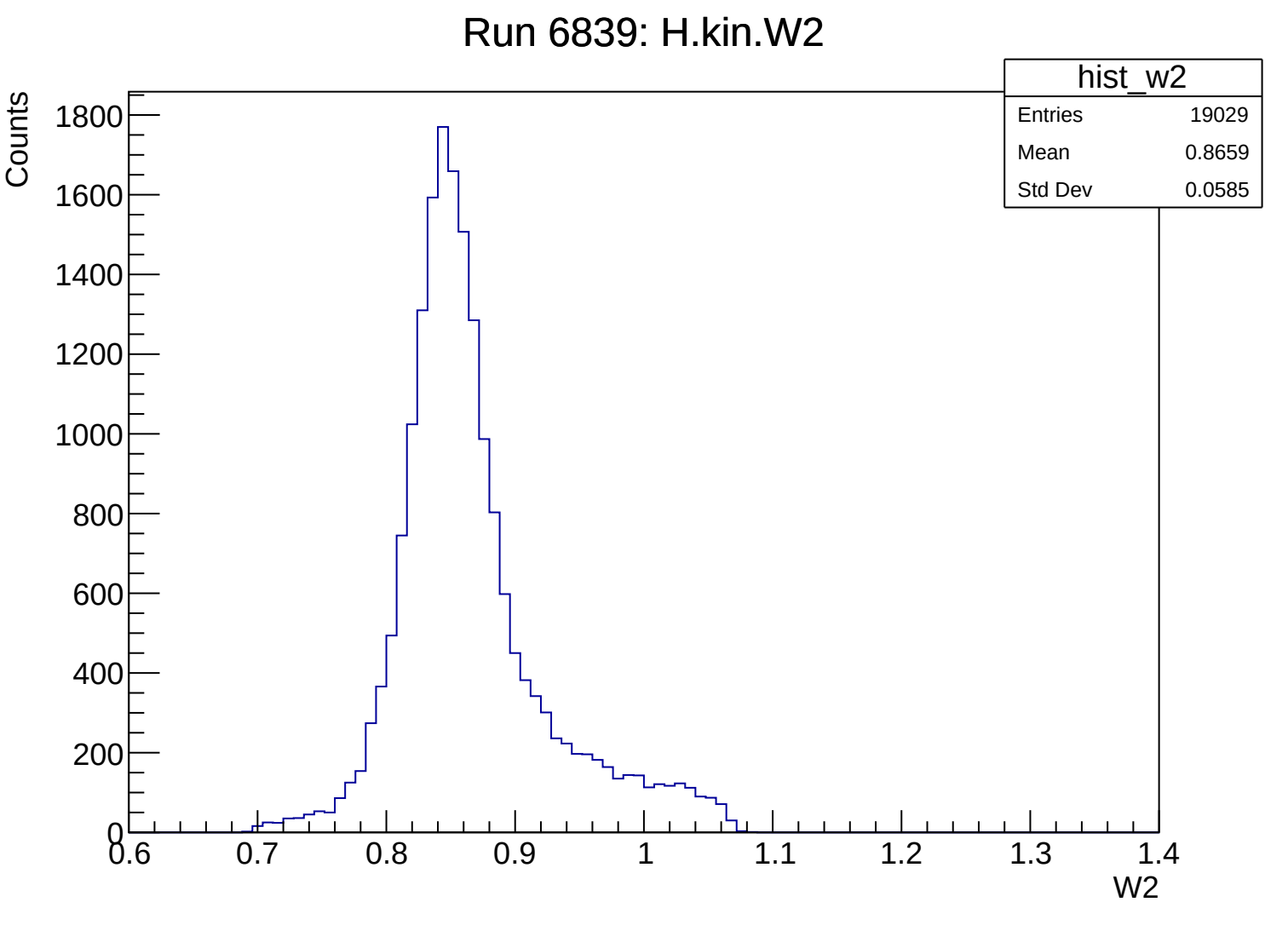

Run 6838: NPS.kin.secondary.pmiss
hist_pmiss
Entries 21876
Mean 2.698
Std Dev 0.367
Counts
900
800
700
600
500
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss

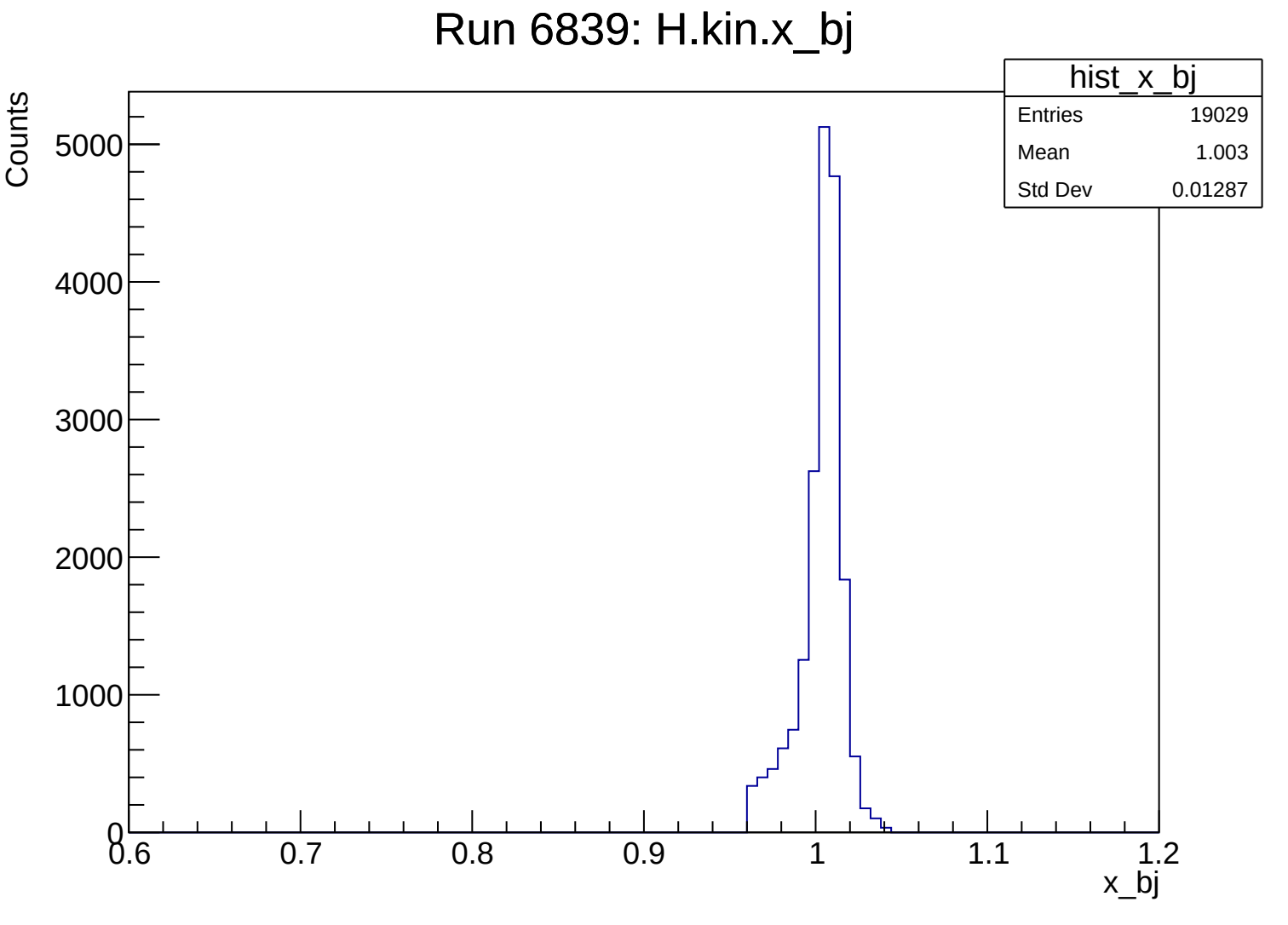

Run 6838: NPS.kin.secondary.emiss
hist_emiss
Entries 21876
Mean 2.815
Std Dev 0.3962
Counts
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

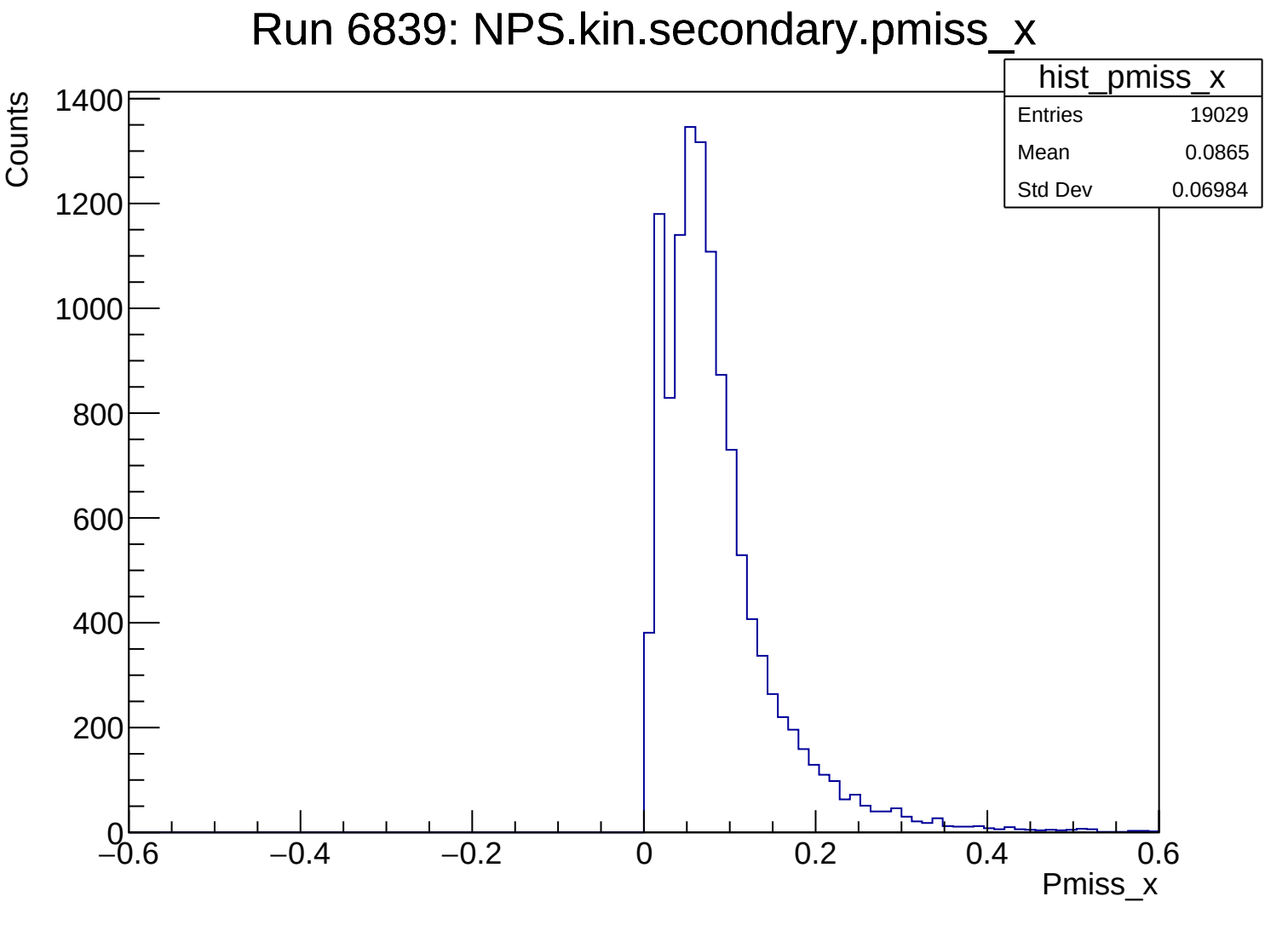

Run 6838: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 21876
Mean −0.03477
Std Dev 0.1942
Counts
2500
2000
1500
1000
500
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

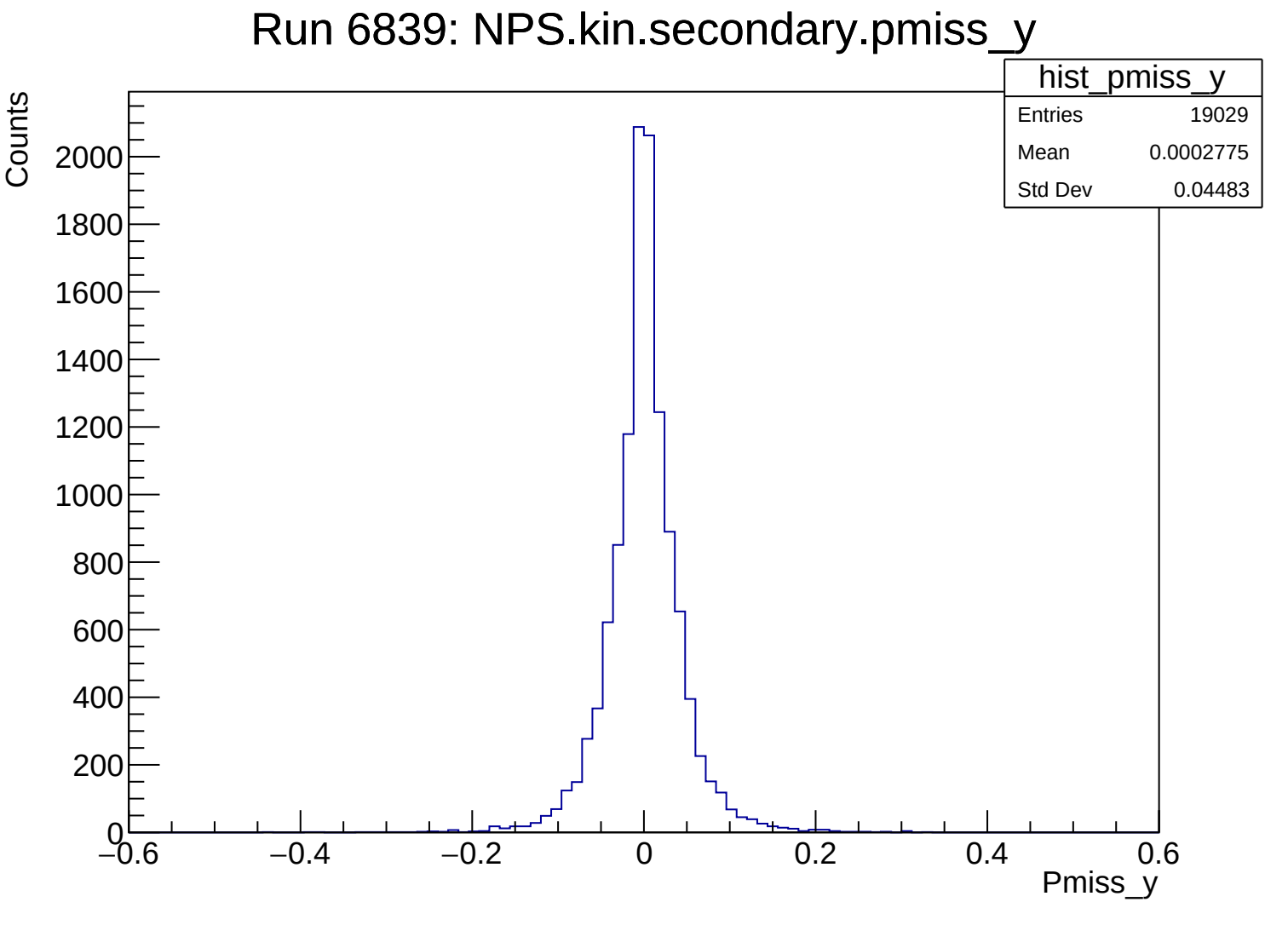

Run 6838: H.gtr.ph
hist_ph
Entries 21876
Mean 0.009032
Std Dev 0.01259
Counts
600
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

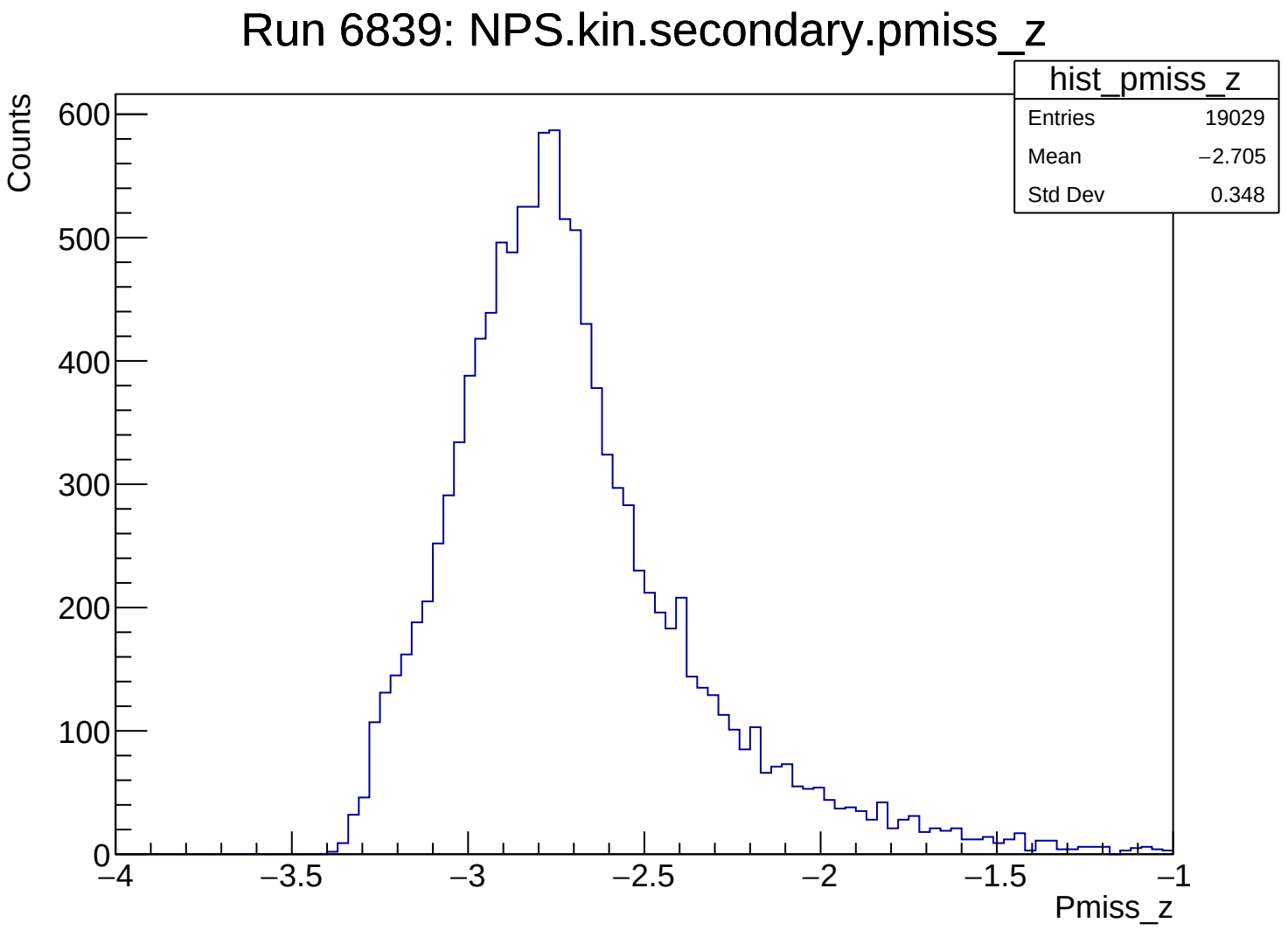

Run 6838: H.gtr.th
hist_th
Entries 21876
Mean −0.002047
Std Dev 0.03699
Counts
400
350
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

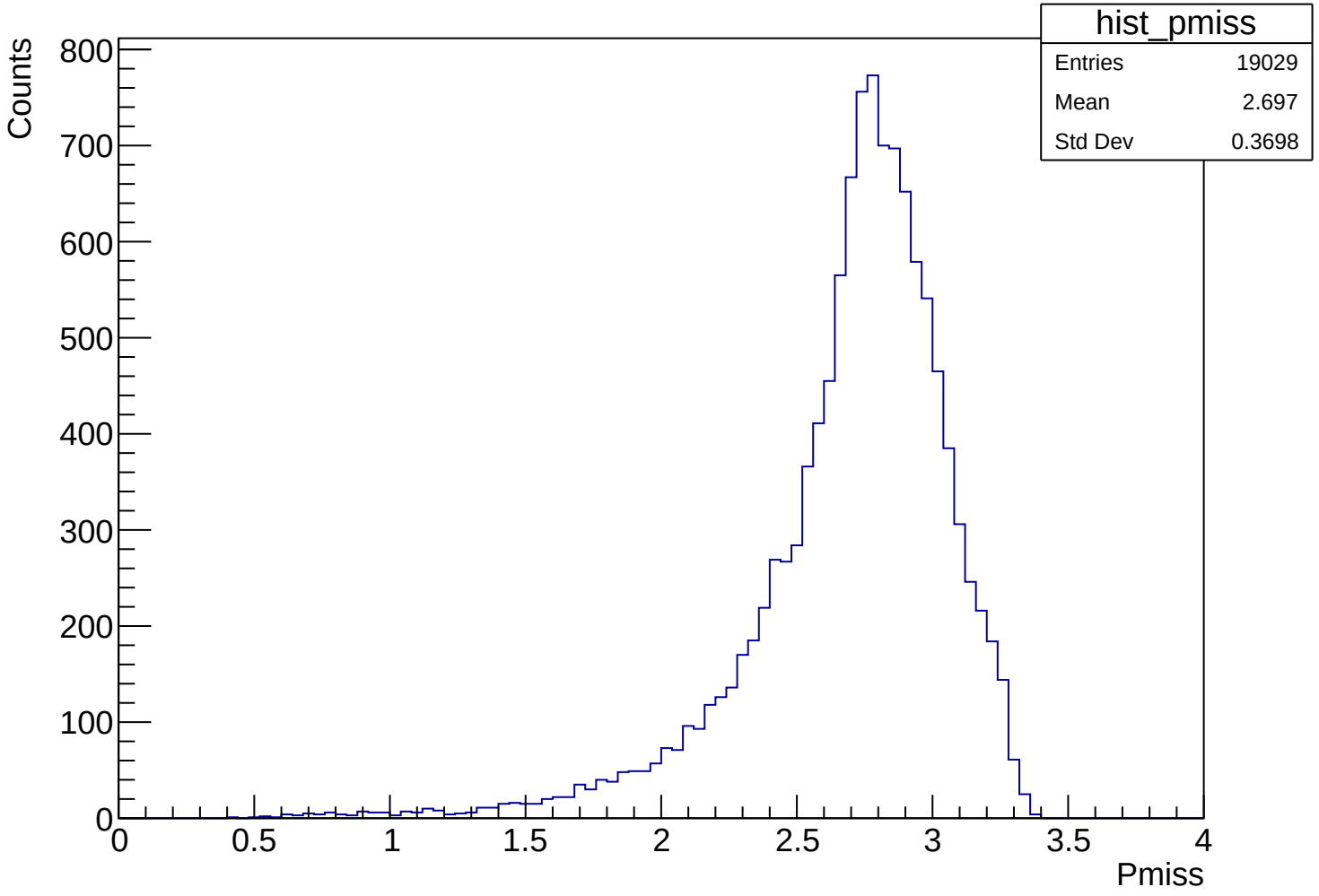

Run 6839: H.kin.W2
hist_w2
Entries 19029
Mean 0.8659
Std Dev 0.0585
Counts
1800
1600
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

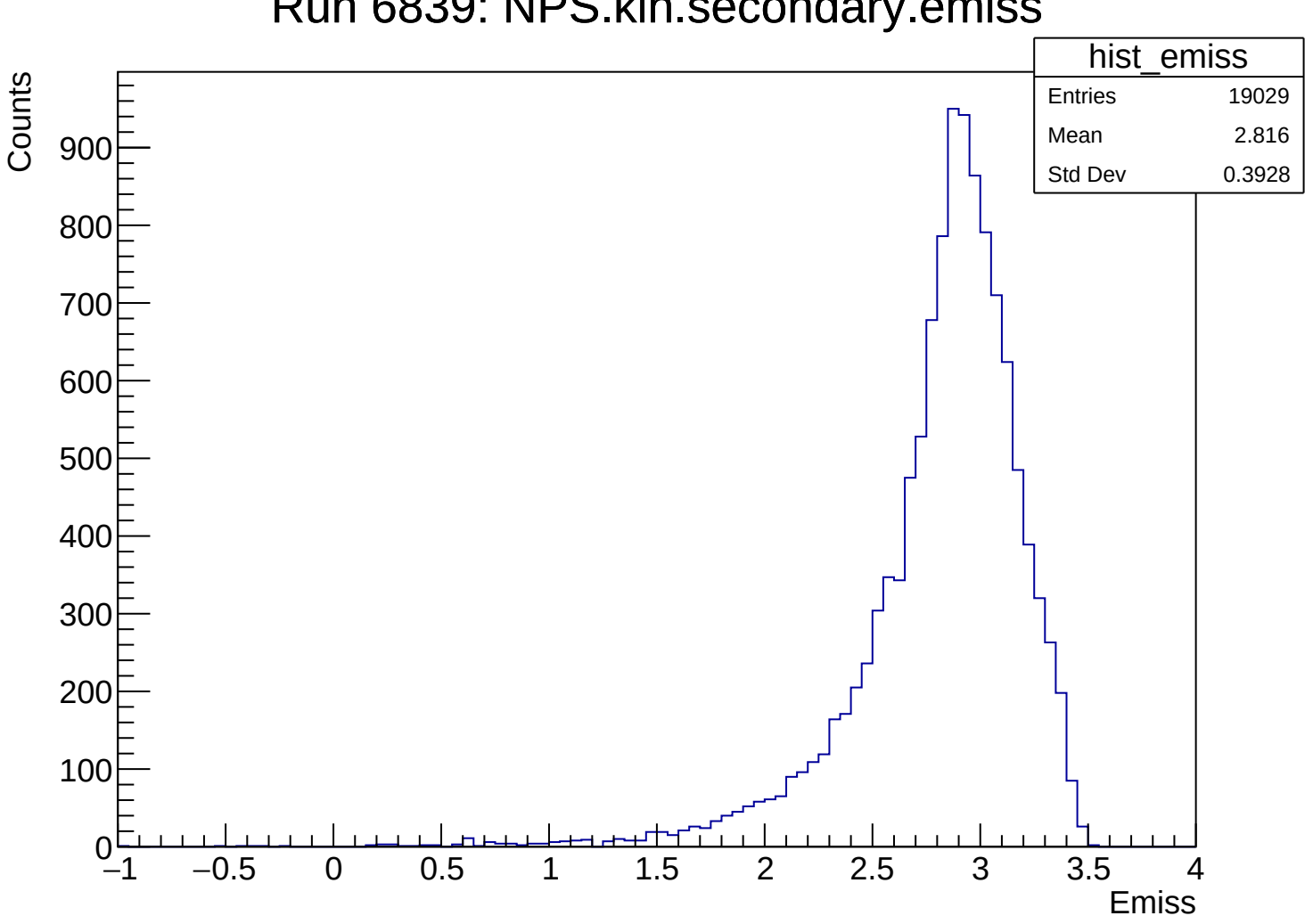

Run 6839: H.kin.x_bj
hist_x_bj
Entries 19029
Mean 1.003
Std Dev 0.01287
Counts
5000
4000
3000
2000
1000
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

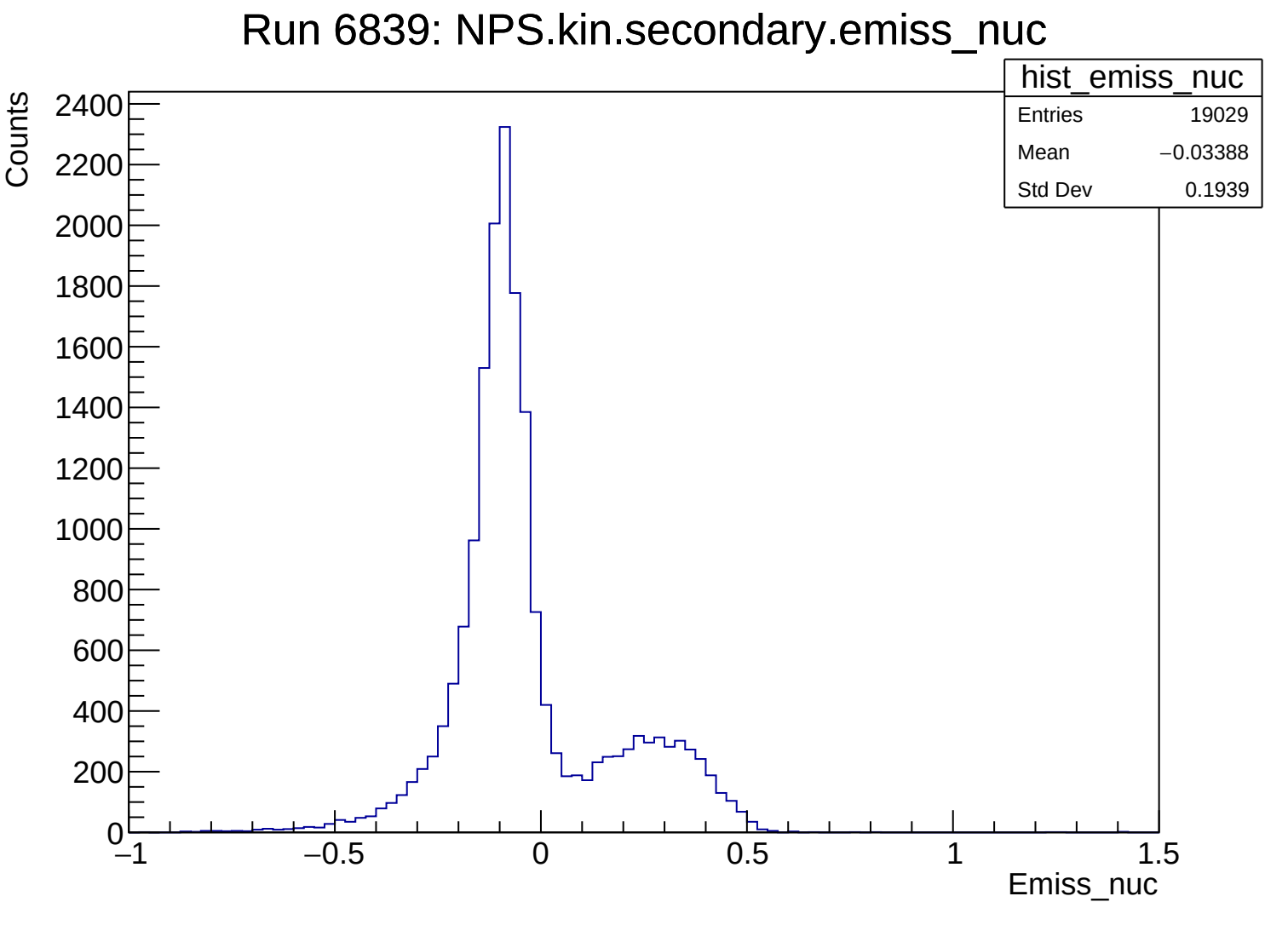

Run 6839: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 19029
Mean 0.0865
Std Dev 0.06984
Counts
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

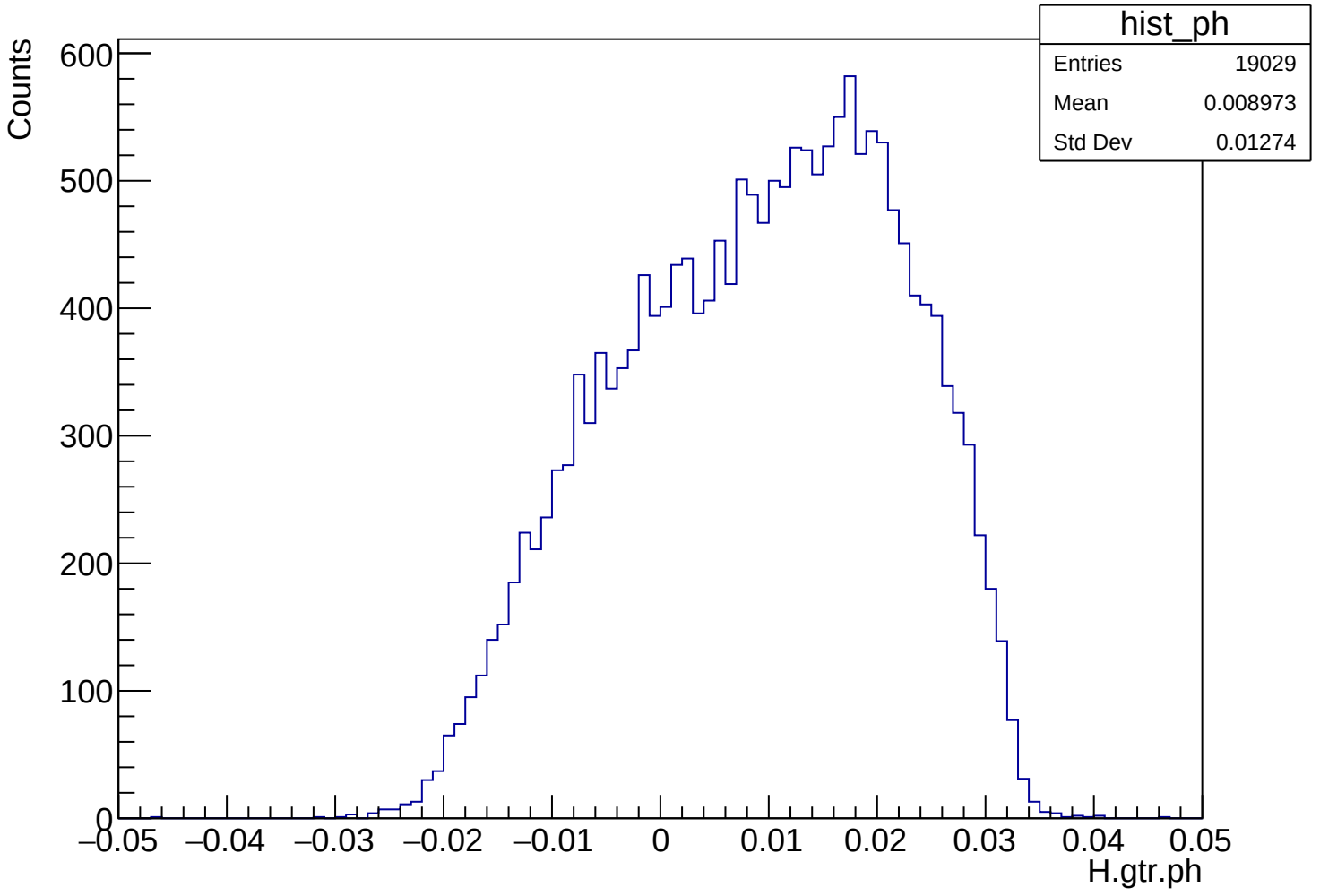

Run 6839: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 19029
Mean 0.0002775
Std Dev 0.04483
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

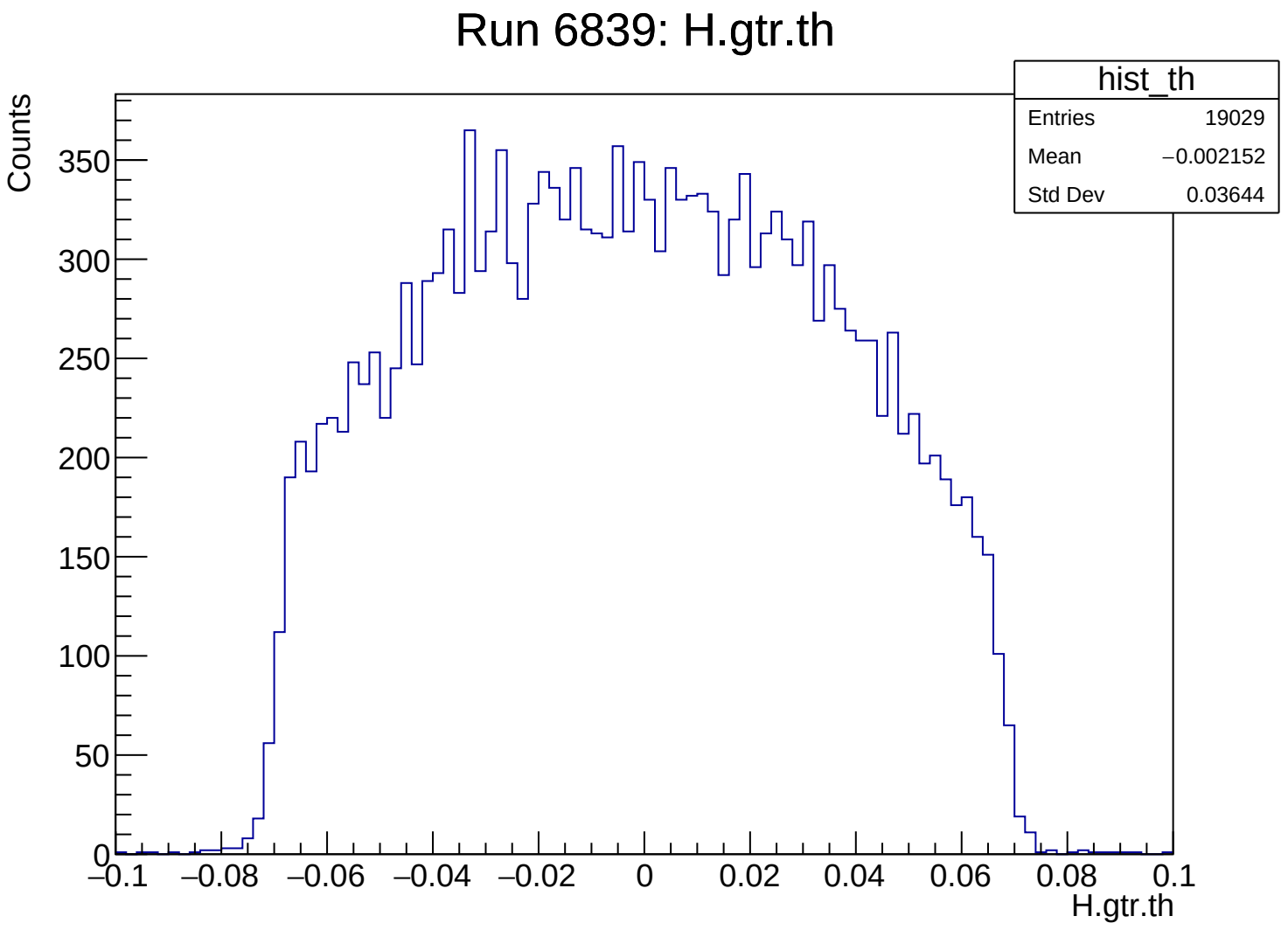

Run 6839: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 19029
Mean −2.705
Std Dev 0.348
Counts
600
500
400
300
200
100
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z

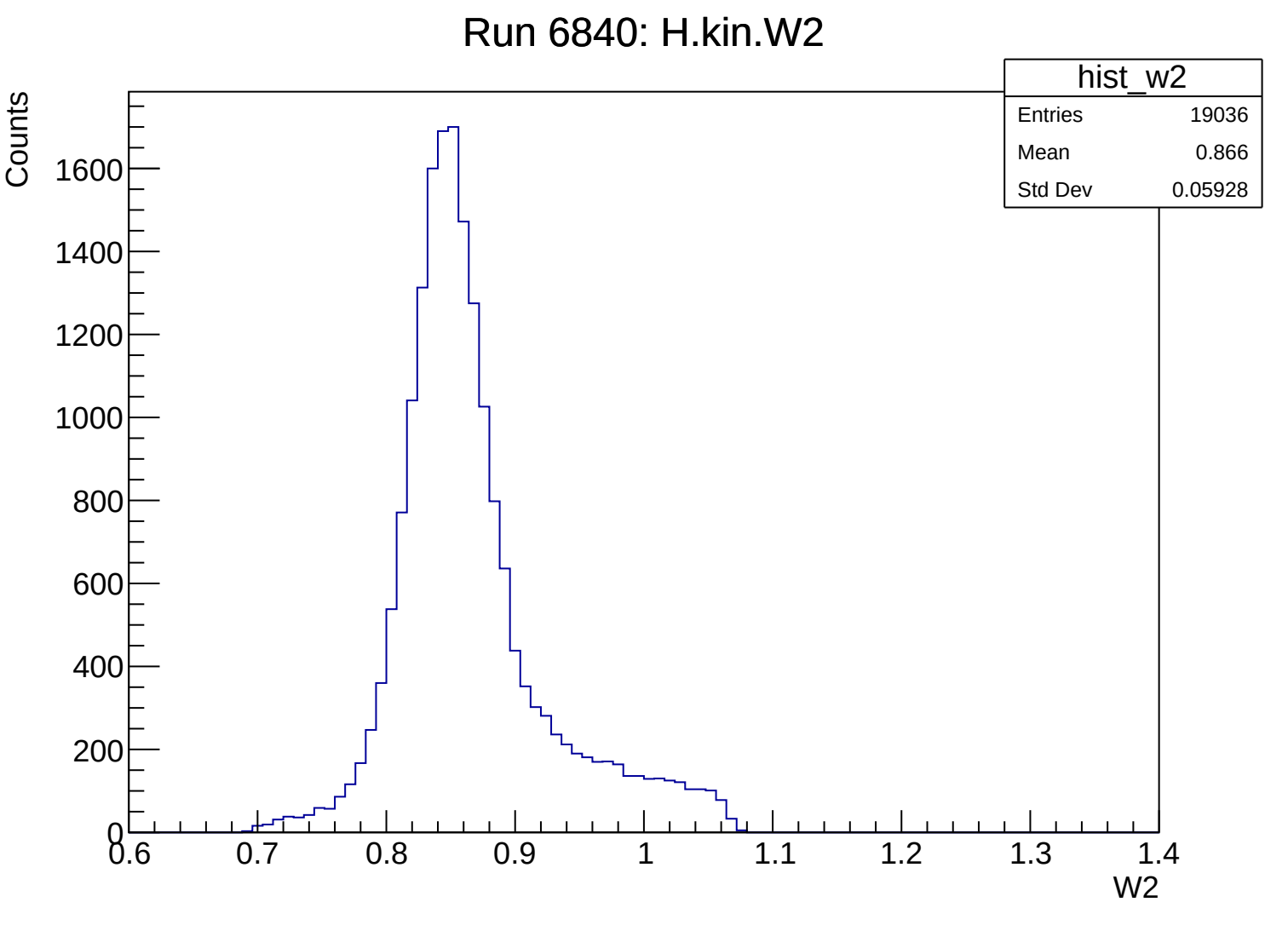

Run 6839: NPS.kin.secondary.pmiss
hist_pmiss
Entries 19029
Mean 2.697
Std Dev 0.3698
Counts
Pmiss
0
100
200
300
400
500
600
700
800
0
0.5
1
1.5
2
2.5
3
3.5
4

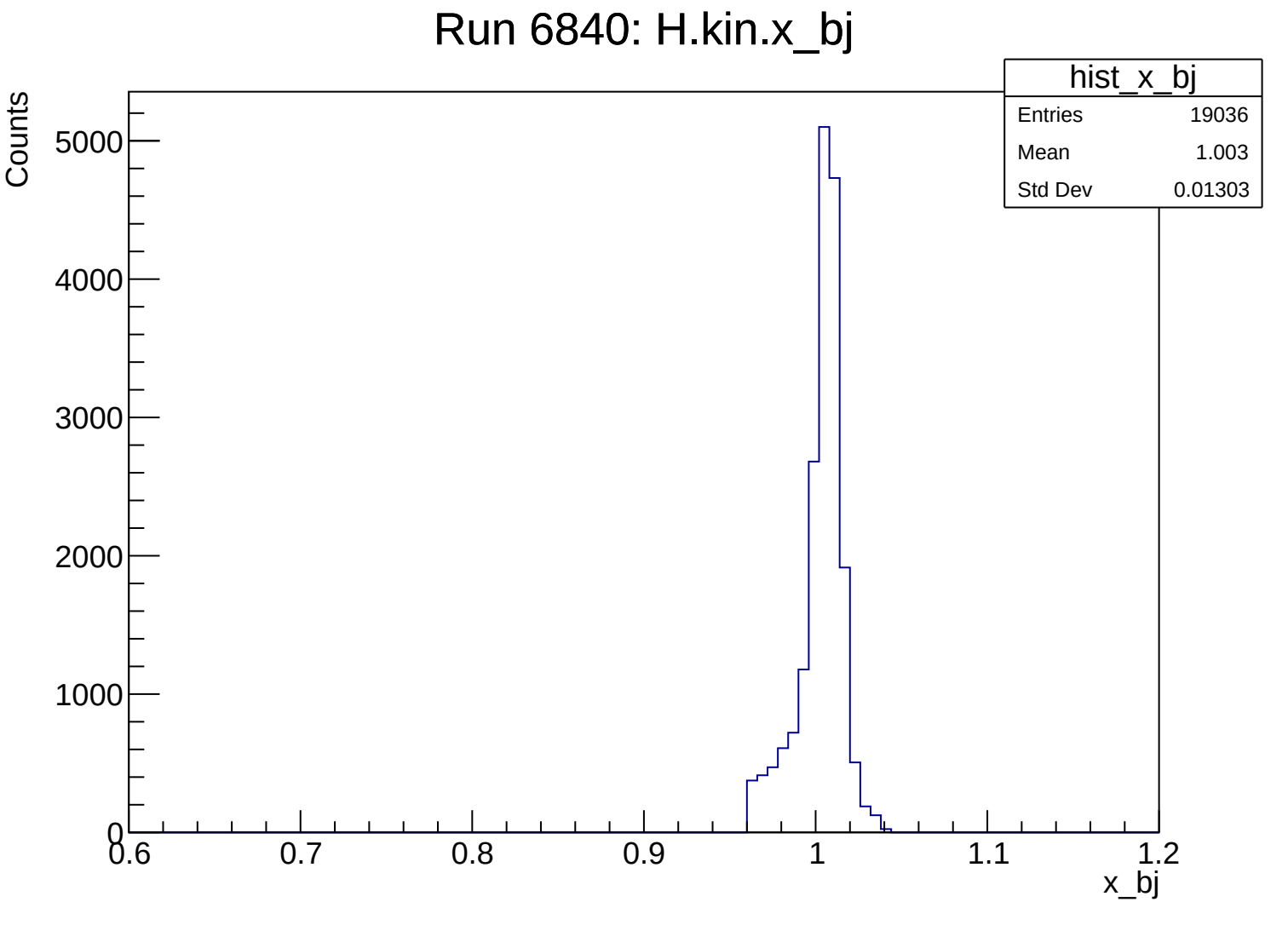

Run 6839: NPS.kin.secondary.emiss
hist_emiss
Entries 19029
Mean 2.816
Std Dev 0.3928
Counts
0
100
200
300
400
500
600
700
800
900
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss

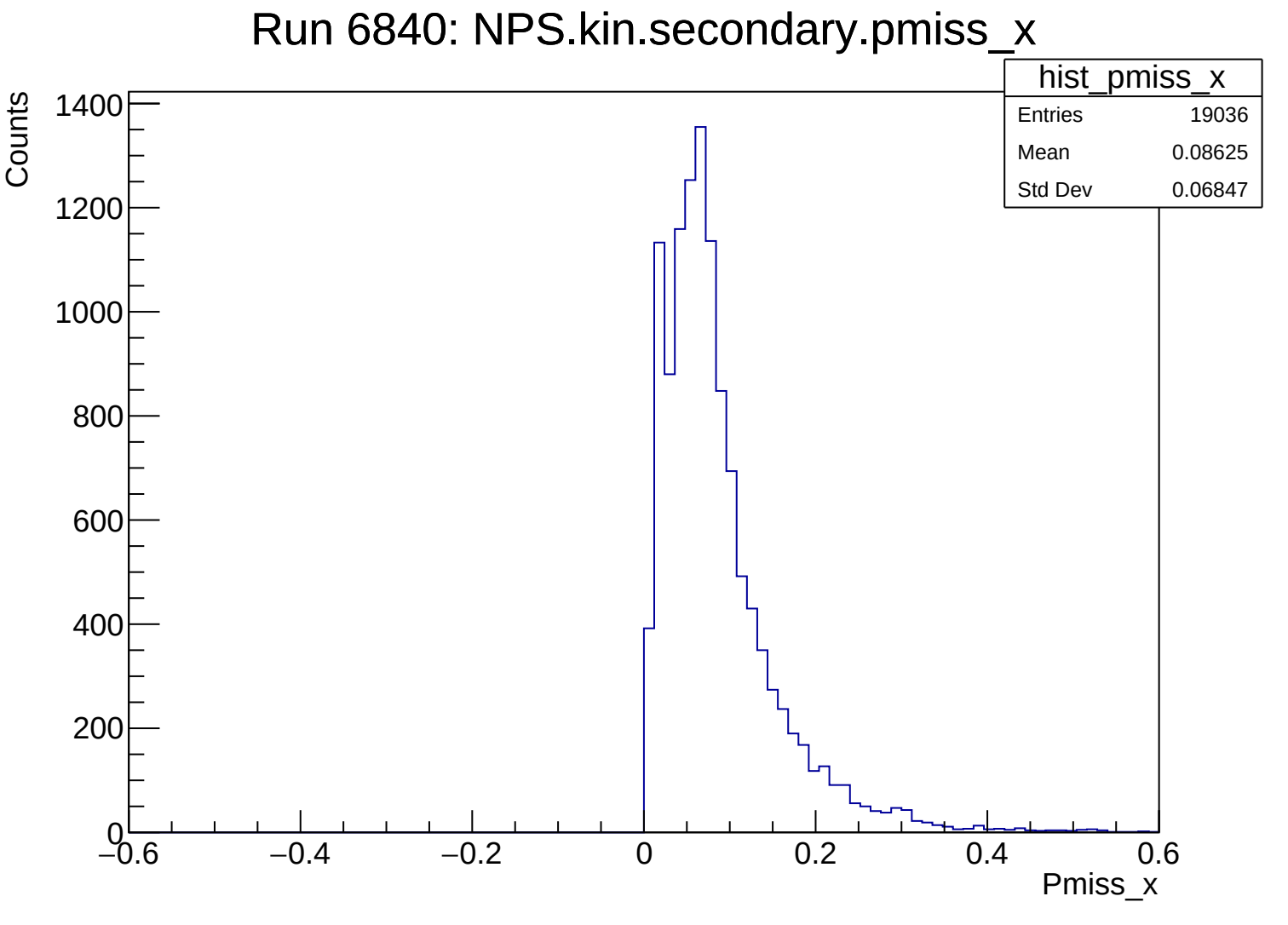

Run 6839: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 19029
Mean −0.03388
Std Dev 0.1939
Counts
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc

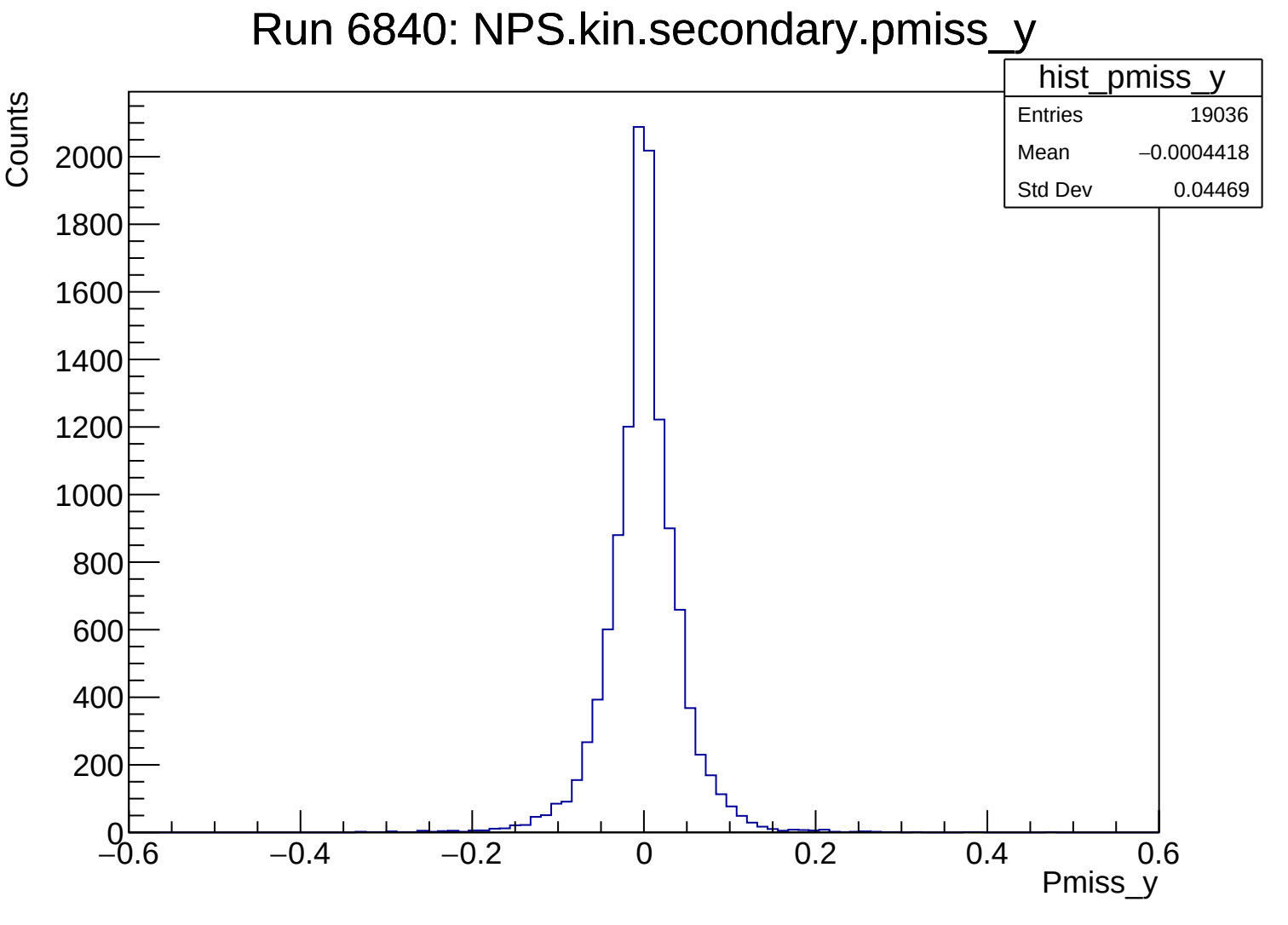

Run 6839: H.gtr.ph
hist_ph
Entries 19029
Mean 0.008973
Std Dev 0.01274
Counts
600
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph

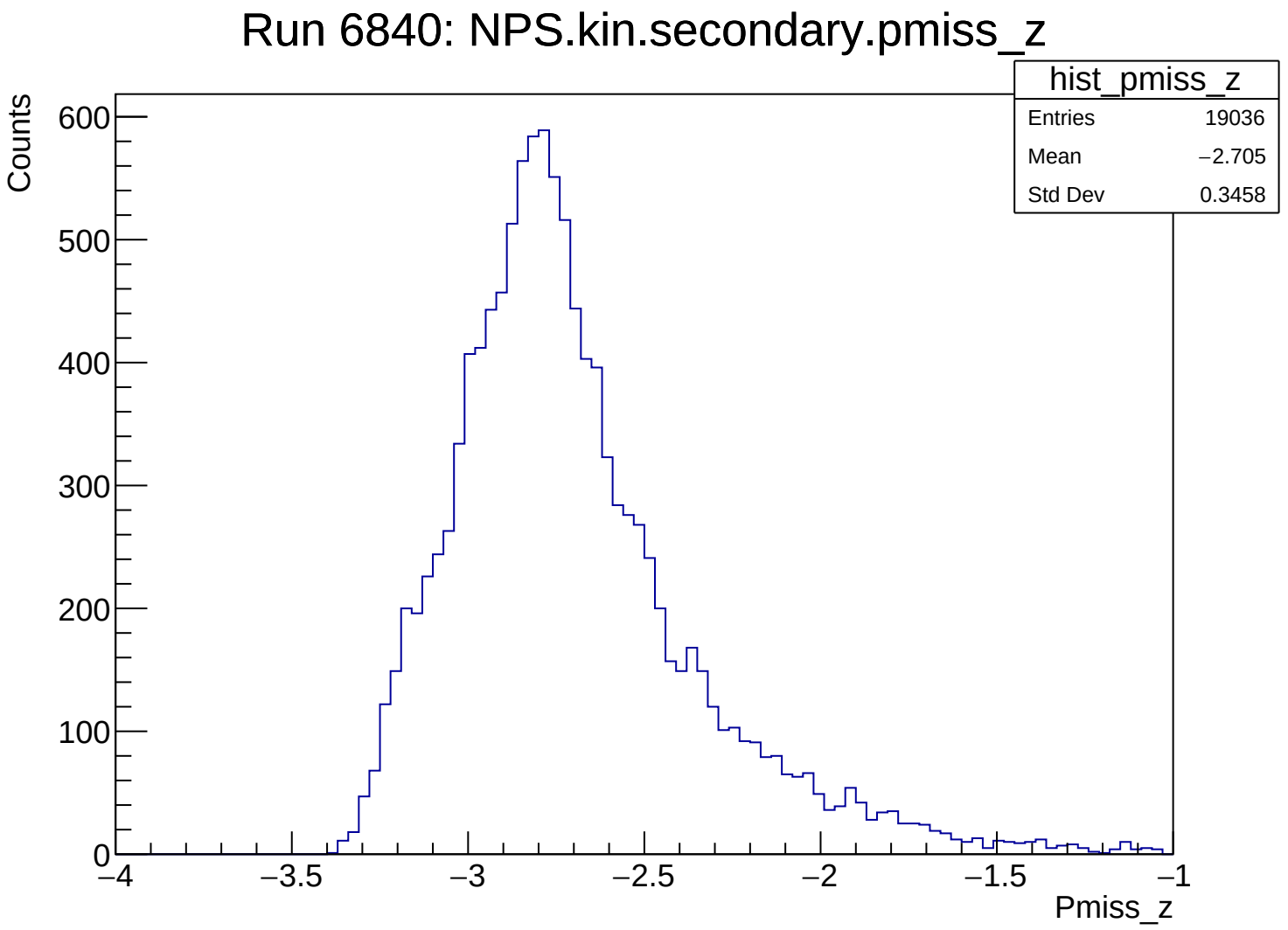

Run 6839: H.gtr.th
hist_th
Entries 19029
Mean −0.002152
Std Dev 0.03644
Counts
0
50
100
150
200
250
300
350
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th

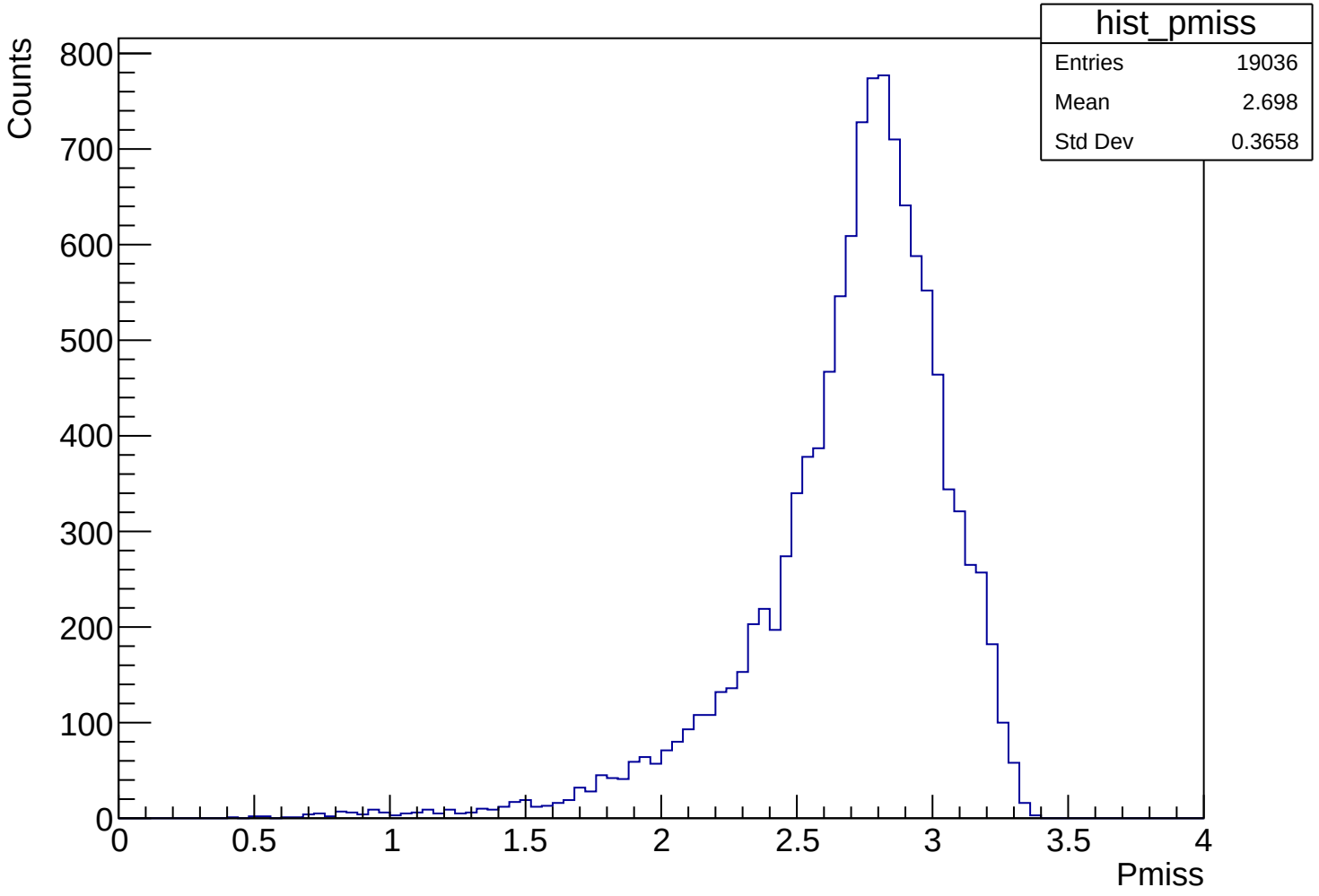

Run 6840: H.kin.W2
hist_w2
Entries 19036
Mean 0.866
Std Dev 0.05928
Counts
1600
1400
1200
1000
800
600
400
200
0
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
W2

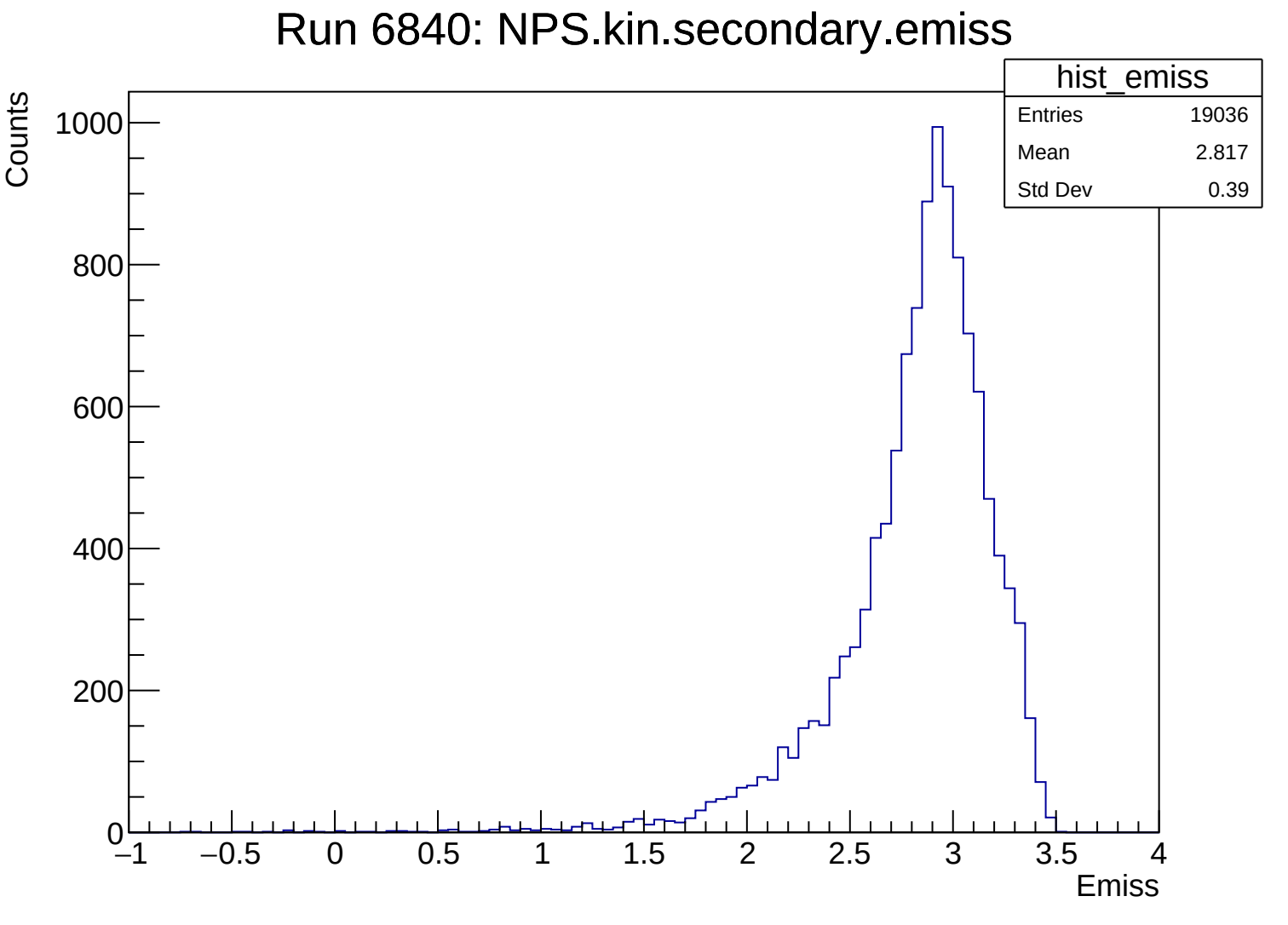

Run 6840: H.kin.x_bj
hist_x_bj
Entries 19036
Mean 1.003
Std Dev 0.01303
Counts
5000
4000
3000
2000
1000
0
0.6
0.7
0.8
0.9
1
1.1
1.2
x_bj

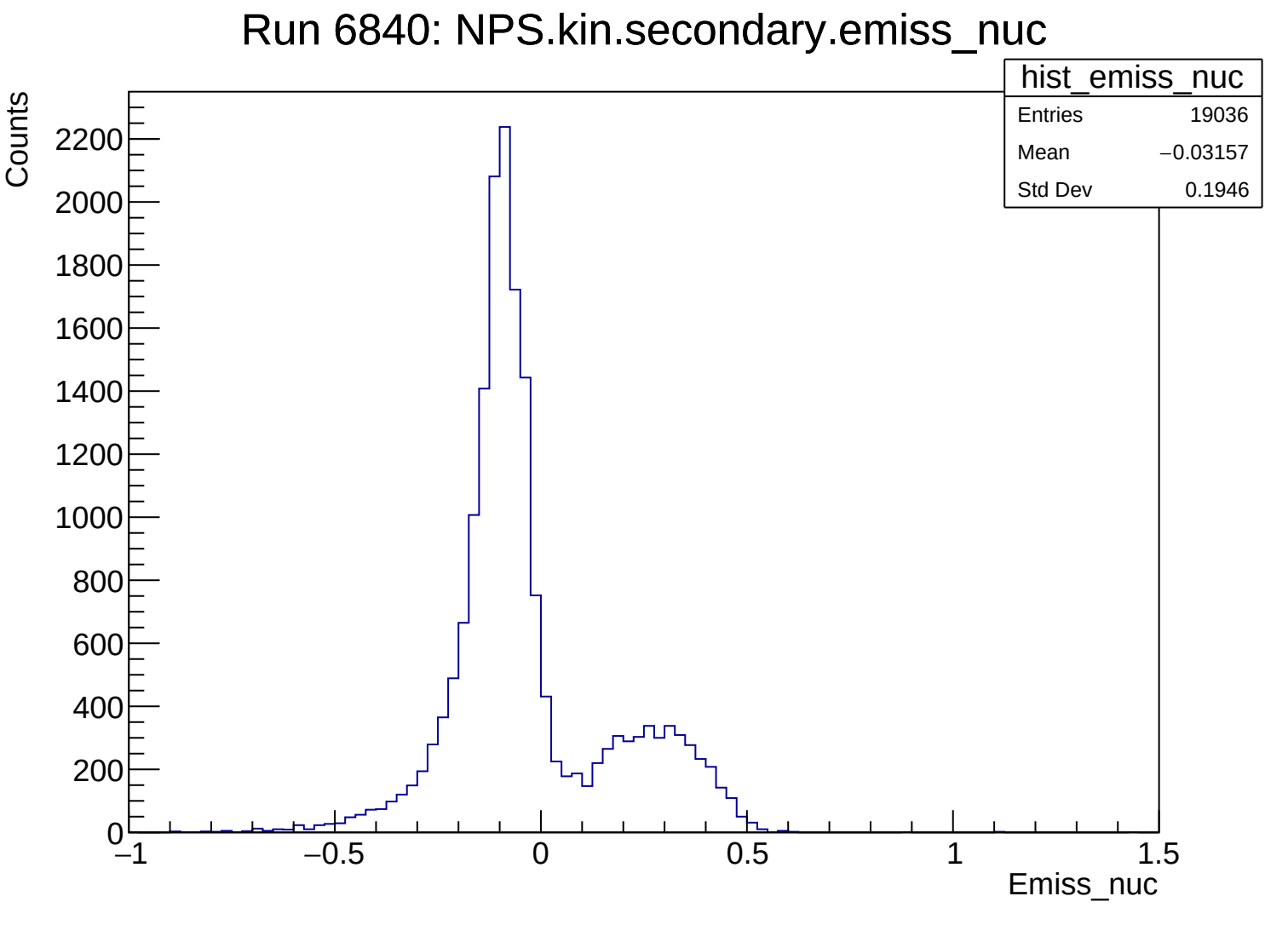

Run 6840: NPS.kin.secondary.pmiss_x
hist_pmiss_x
Entries 19036
Mean 0.08625
Std Dev 0.06847
Counts
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_x

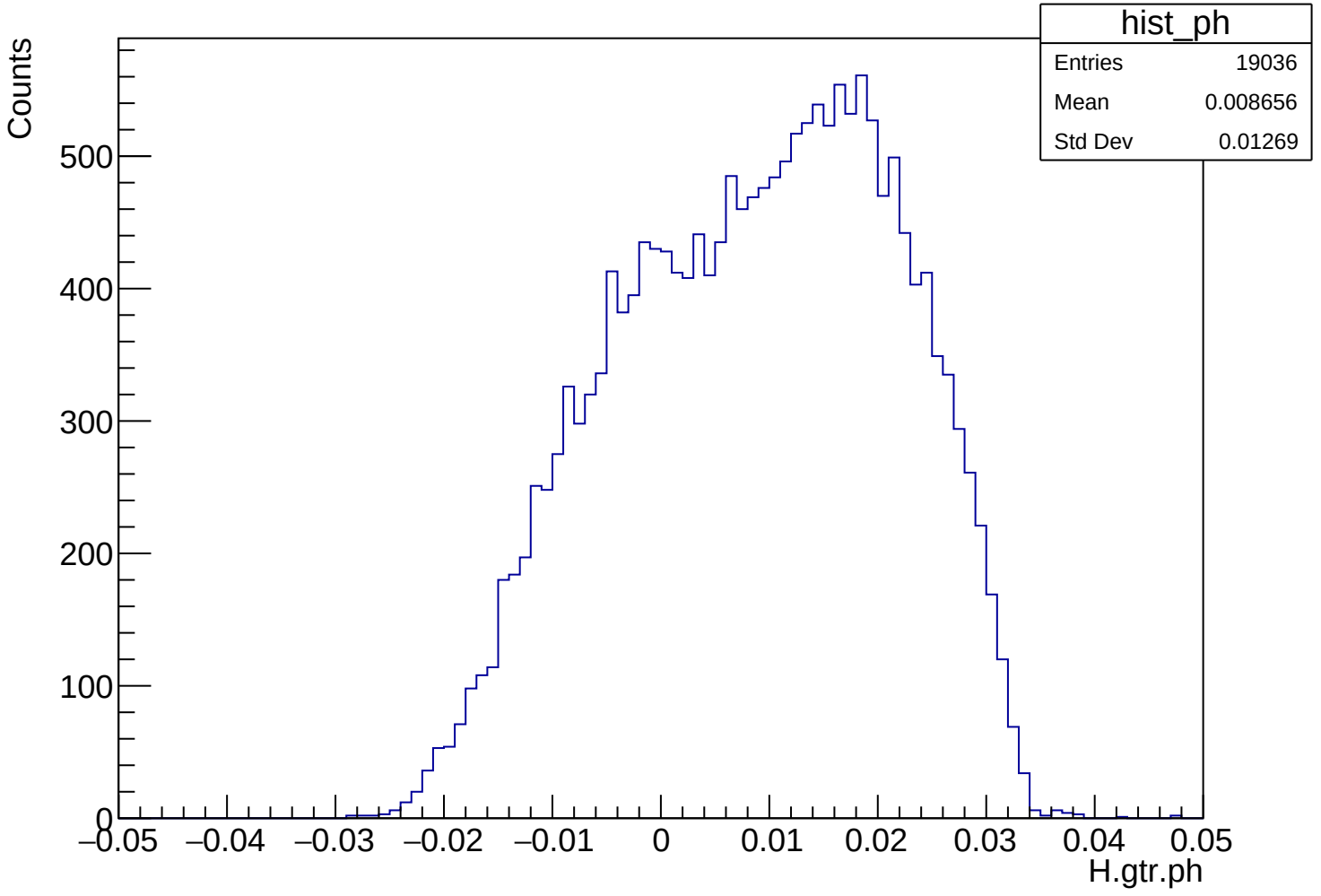

Run 6840: NPS.kin.secondary.pmiss_y
hist_pmiss_y
Entries 19036
Mean −0.0004418
Std Dev 0.04469
Counts
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
Pmiss_y

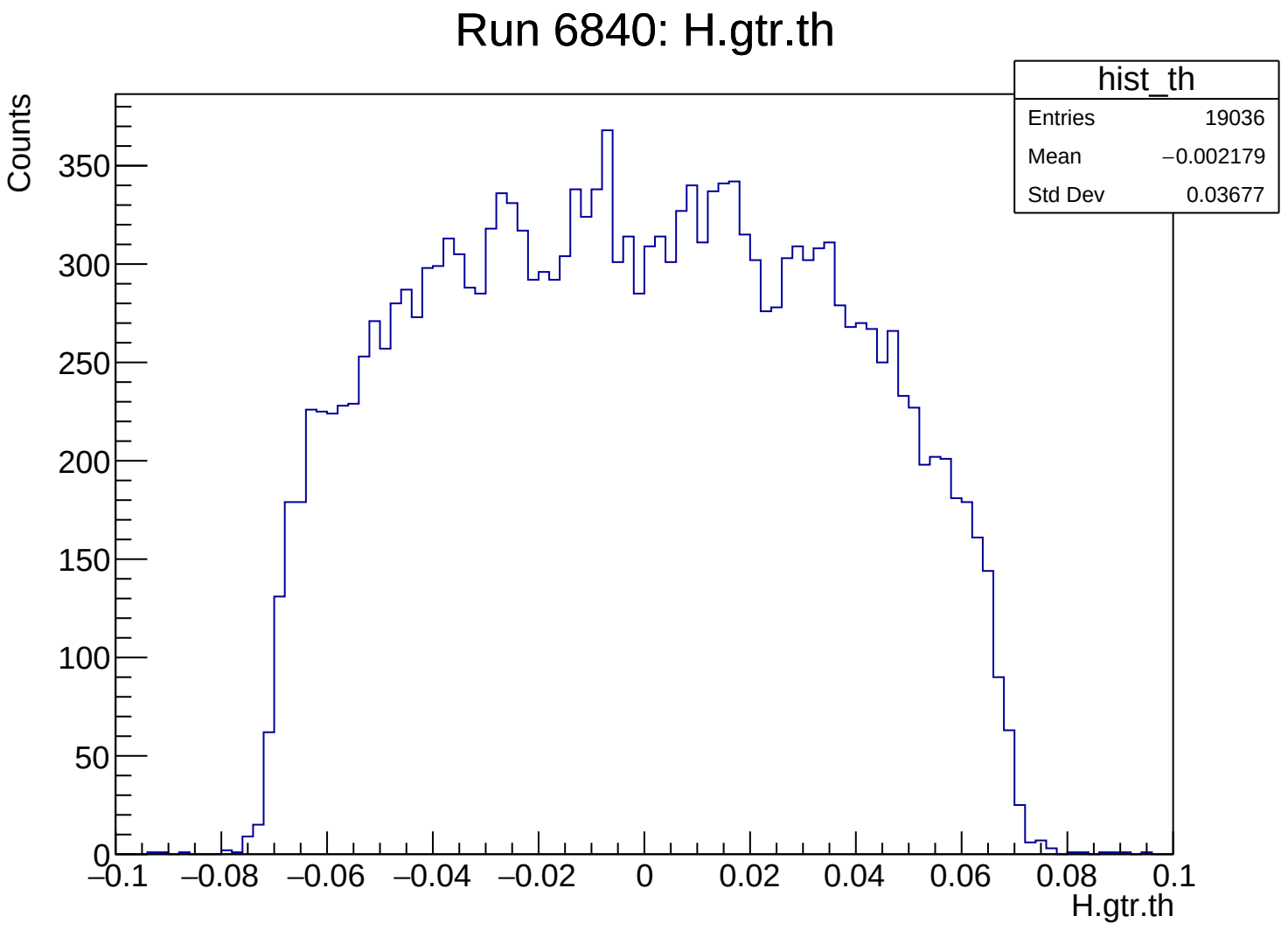

Run 6840: NPS.kin.secondary.pmiss_z
hist_pmiss_z
Entries 19036
Mean −2.705
Std Dev 0.3458
Counts
600
500
400
300
200
100
0
−4
−3.5
−3
−2.5
−2
−1.5
−1
Pmiss_z


Run 6840: NPS.kin.secondary.pmiss
hist_pmiss
Entries 19036
Mean 2.698
Std Dev 0.3658
Counts
800
700
600
500
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4
Pmiss


Run 6840: NPS.kin.secondary.emiss
hist_emiss
Entries 19036
Mean 2.817
Std Dev 0.39
Counts
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Emiss


Run 6840: NPS.kin.secondary.emiss_nuc
hist_emiss_nuc
Entries 19036
Mean −0.03157
Std Dev 0.1946
Counts
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−1
−0.5
0
0.5
1
1.5
Emiss_nuc


Run 6840: H.gtr.ph
hist_ph
Entries 19036
Mean 0.008656
Std Dev 0.01269
Counts
500
400
300
200
100
0
–0.05
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
H.gtr.ph


Run 6840: H.gtr.th
hist_th
Entries 19036
Mean −0.002179
Std Dev 0.03677
Counts
350
300
250
200
150
100
50
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1
H.gtr.th