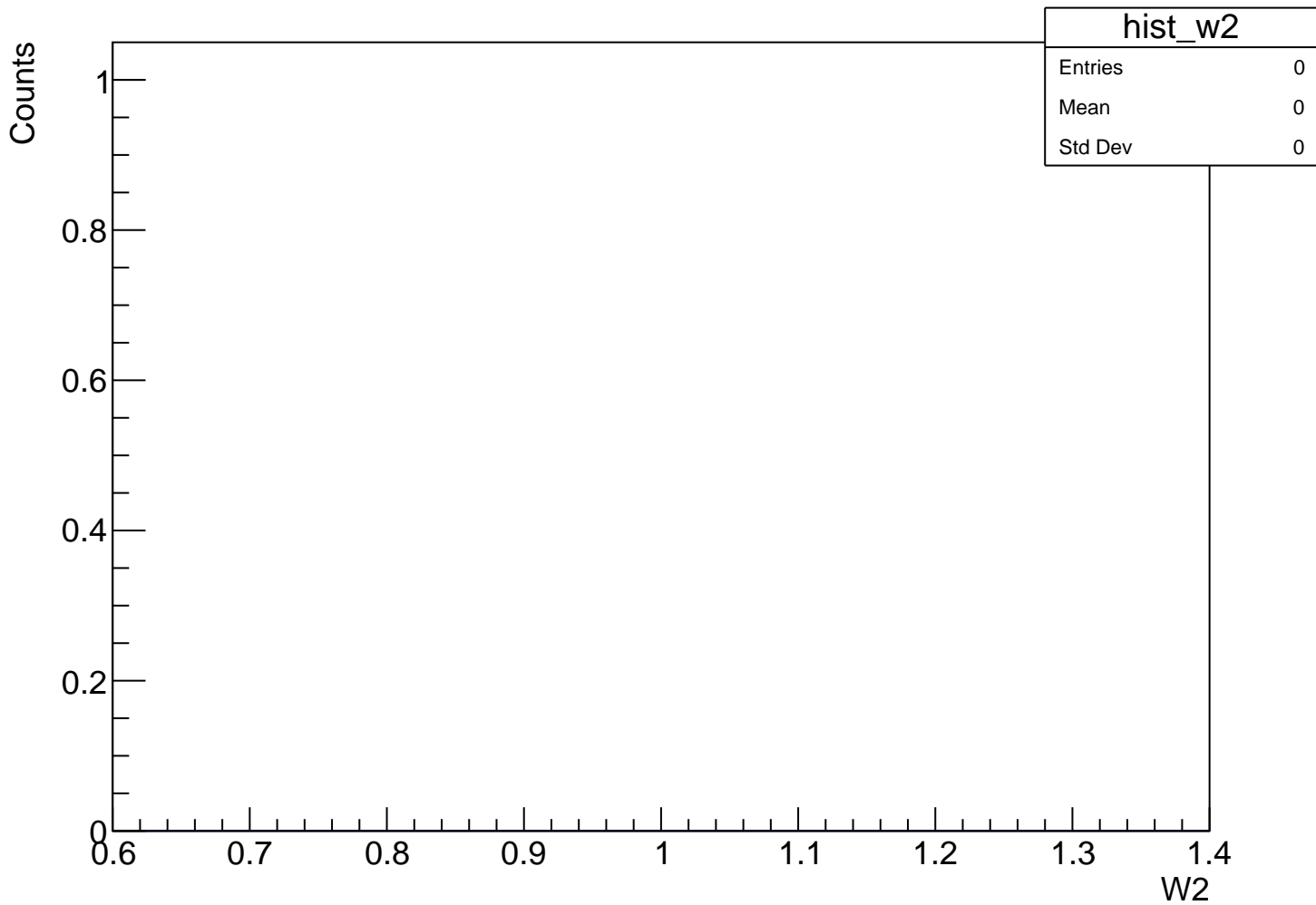
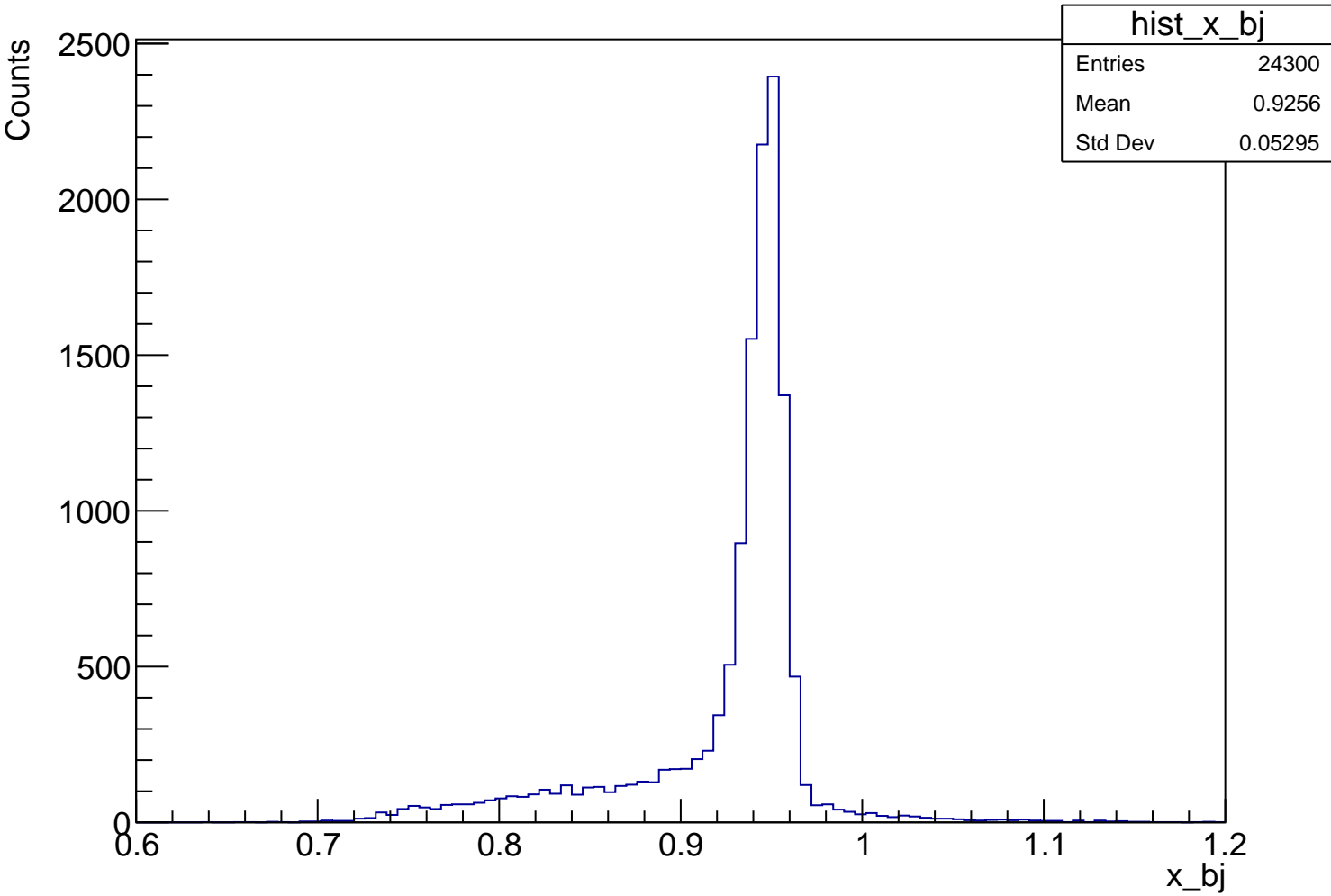


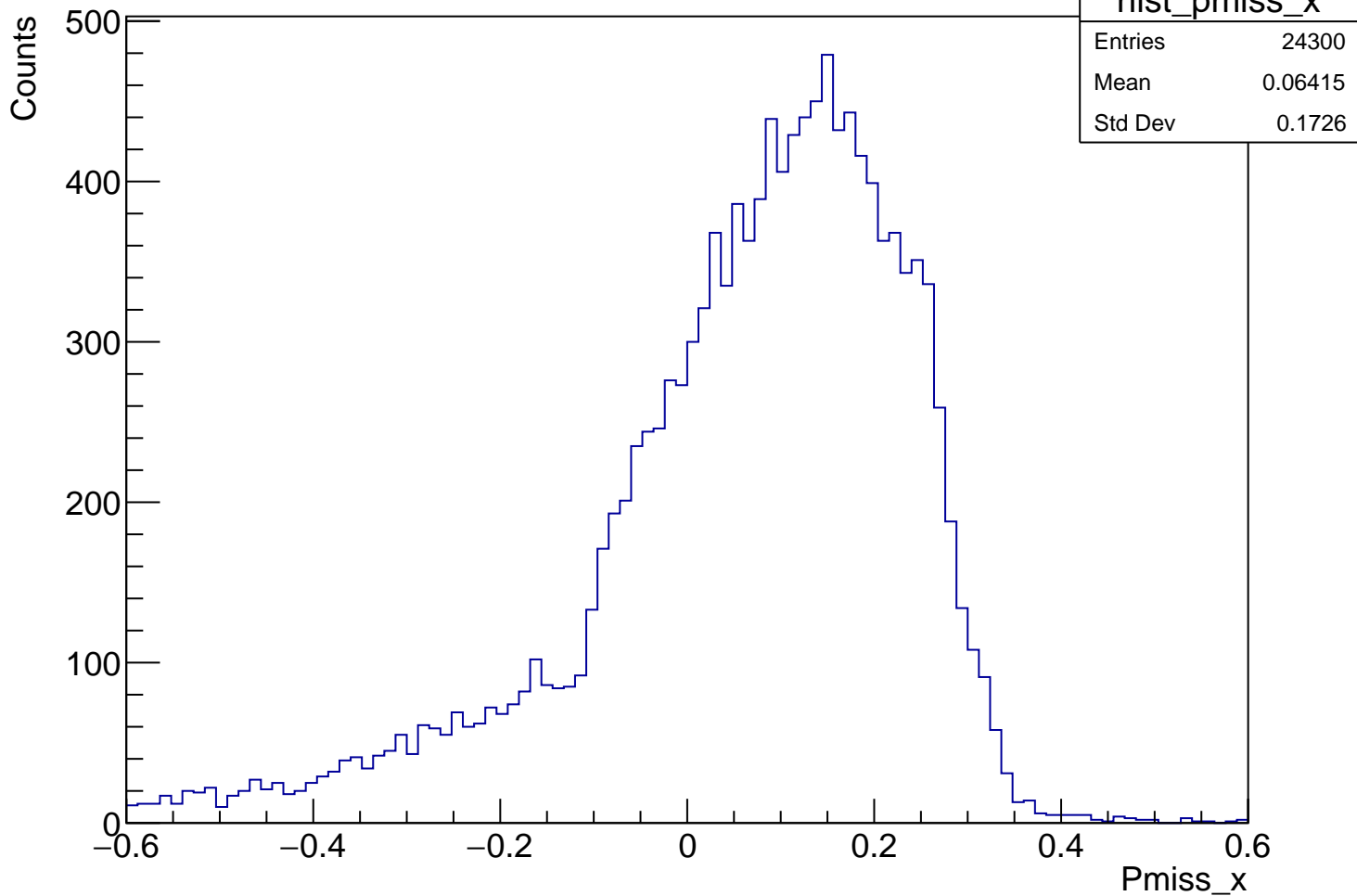
# Run 6171: H.kin.W2



# Run 6171: H.kin.x\_bj

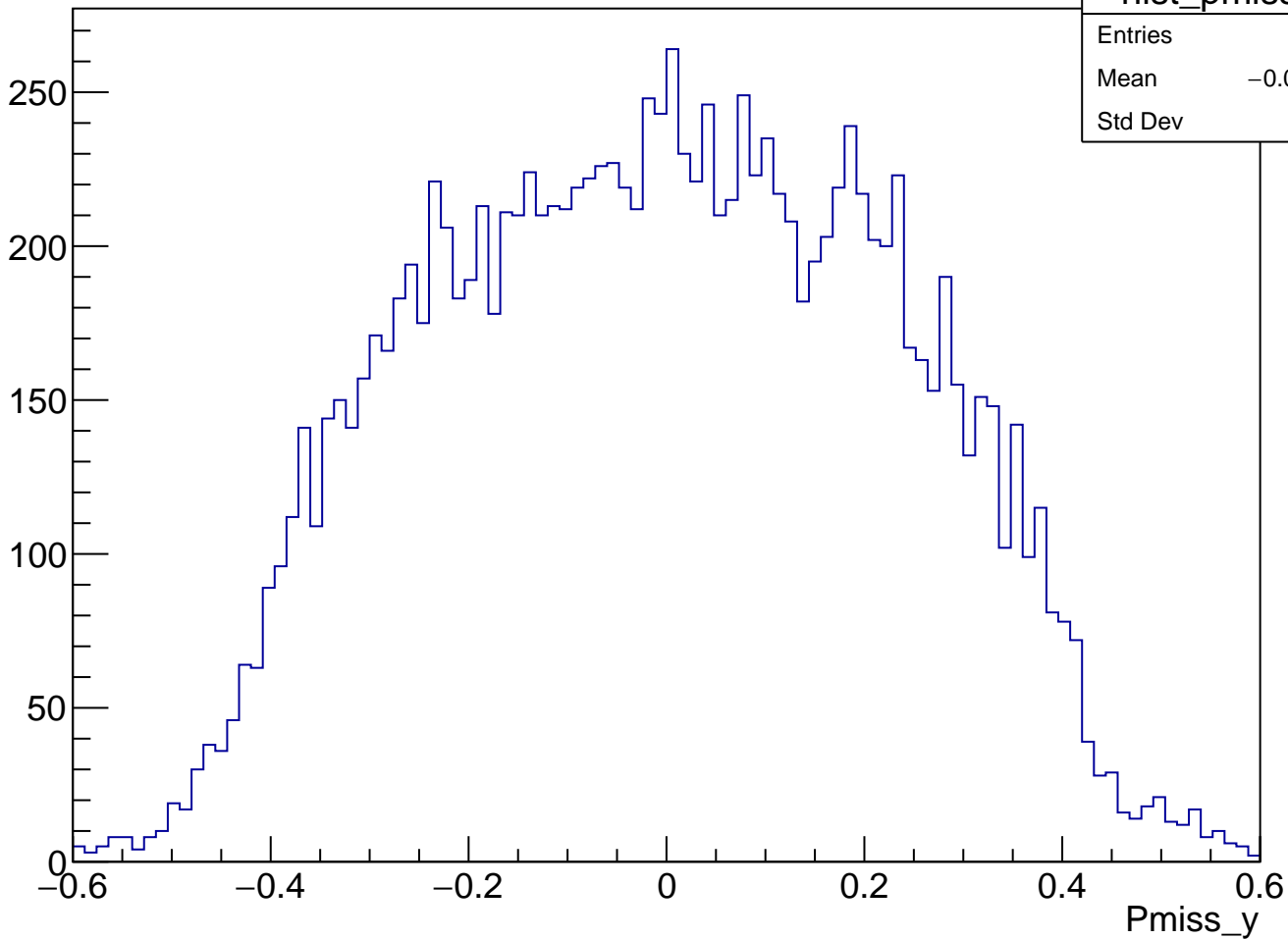


# Run 6171: NPS.kin.secondary.pmiss\_x



# Run 6171: NPS.kin.secondary.pmiss\_y

Counts



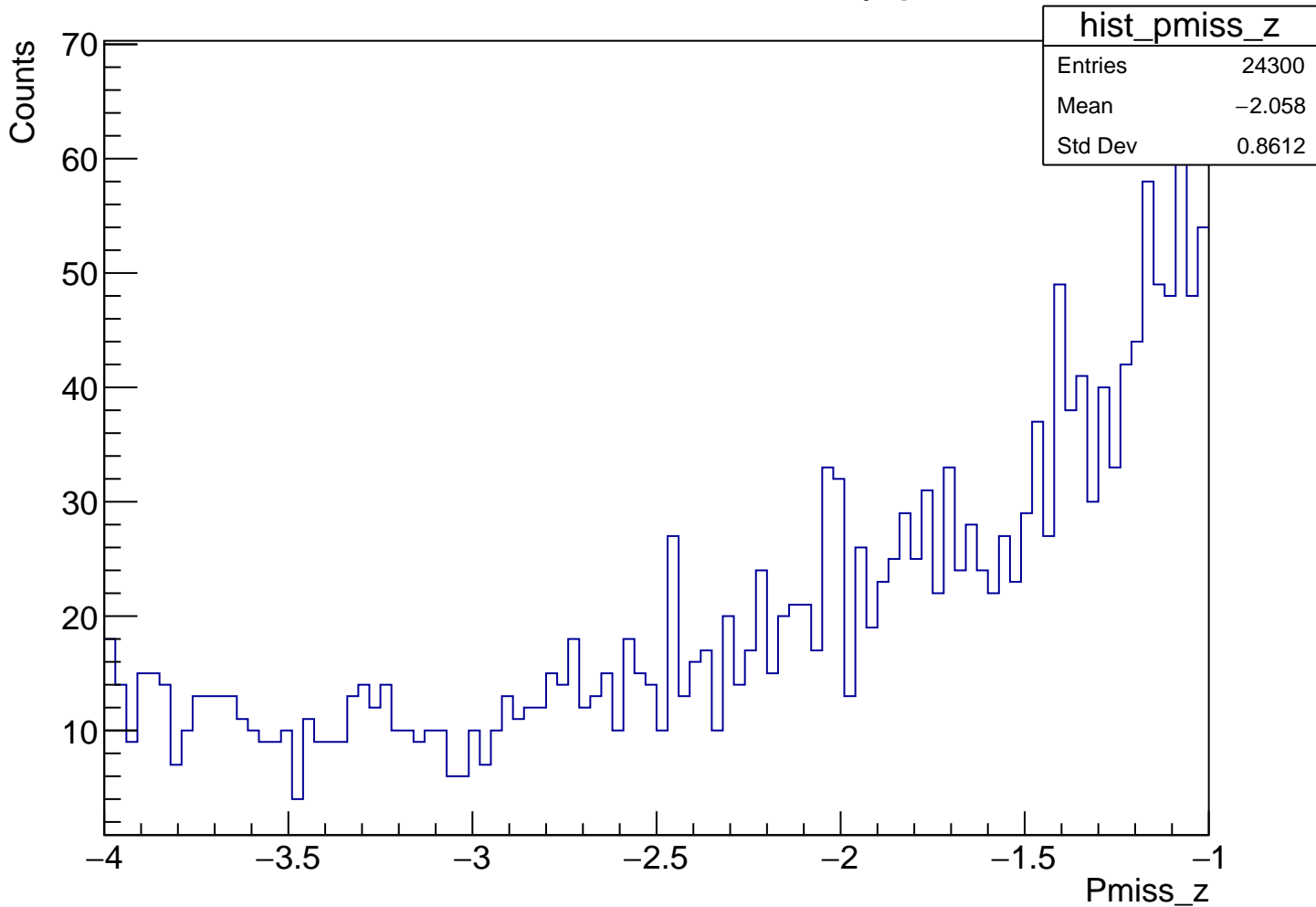
hist\_pmiss\_y

Entries 24300

Mean -0.004123

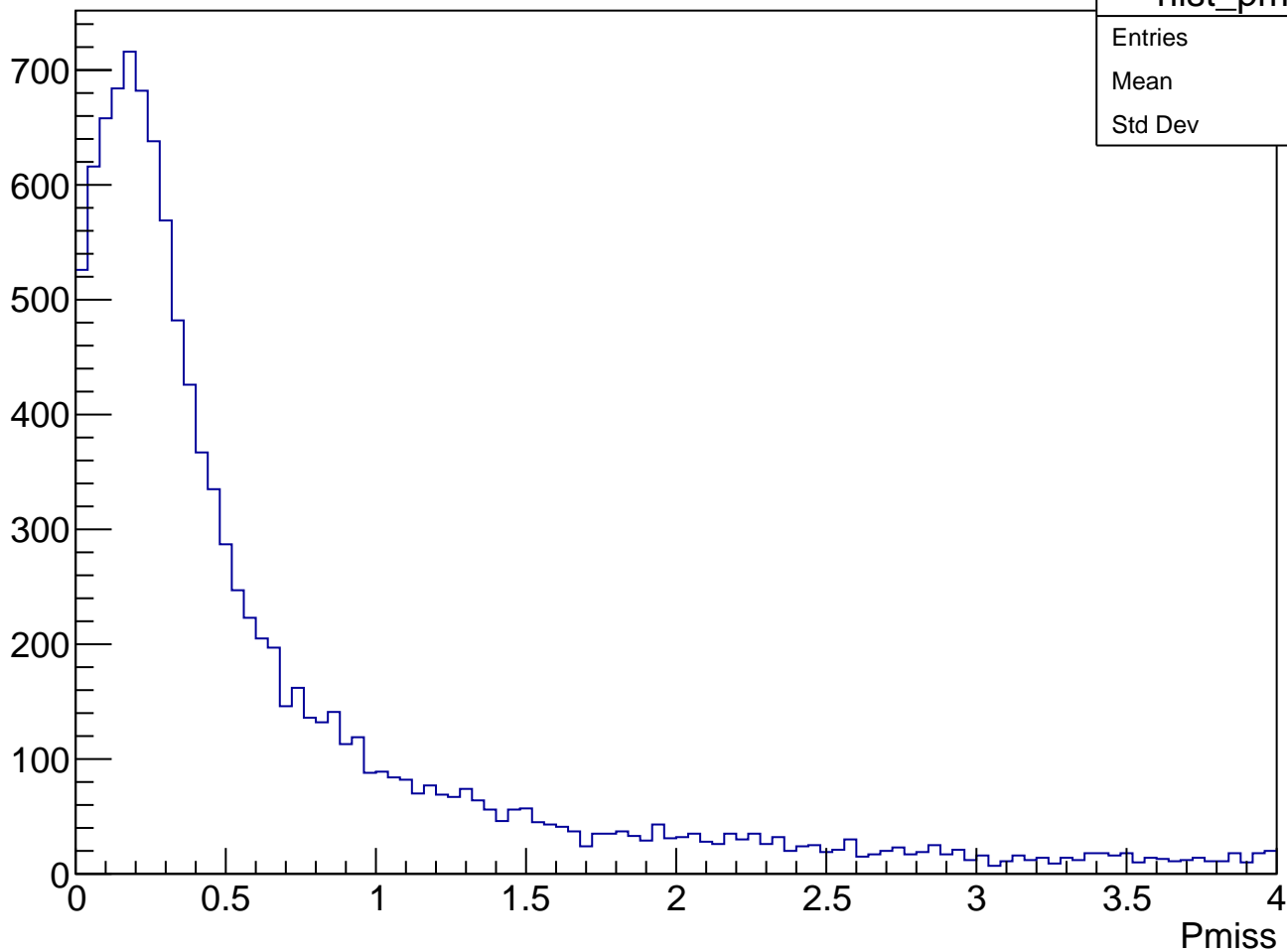
Std Dev 0.2295

# Run 6171: NPS.kin.secondary.pmiss\_z



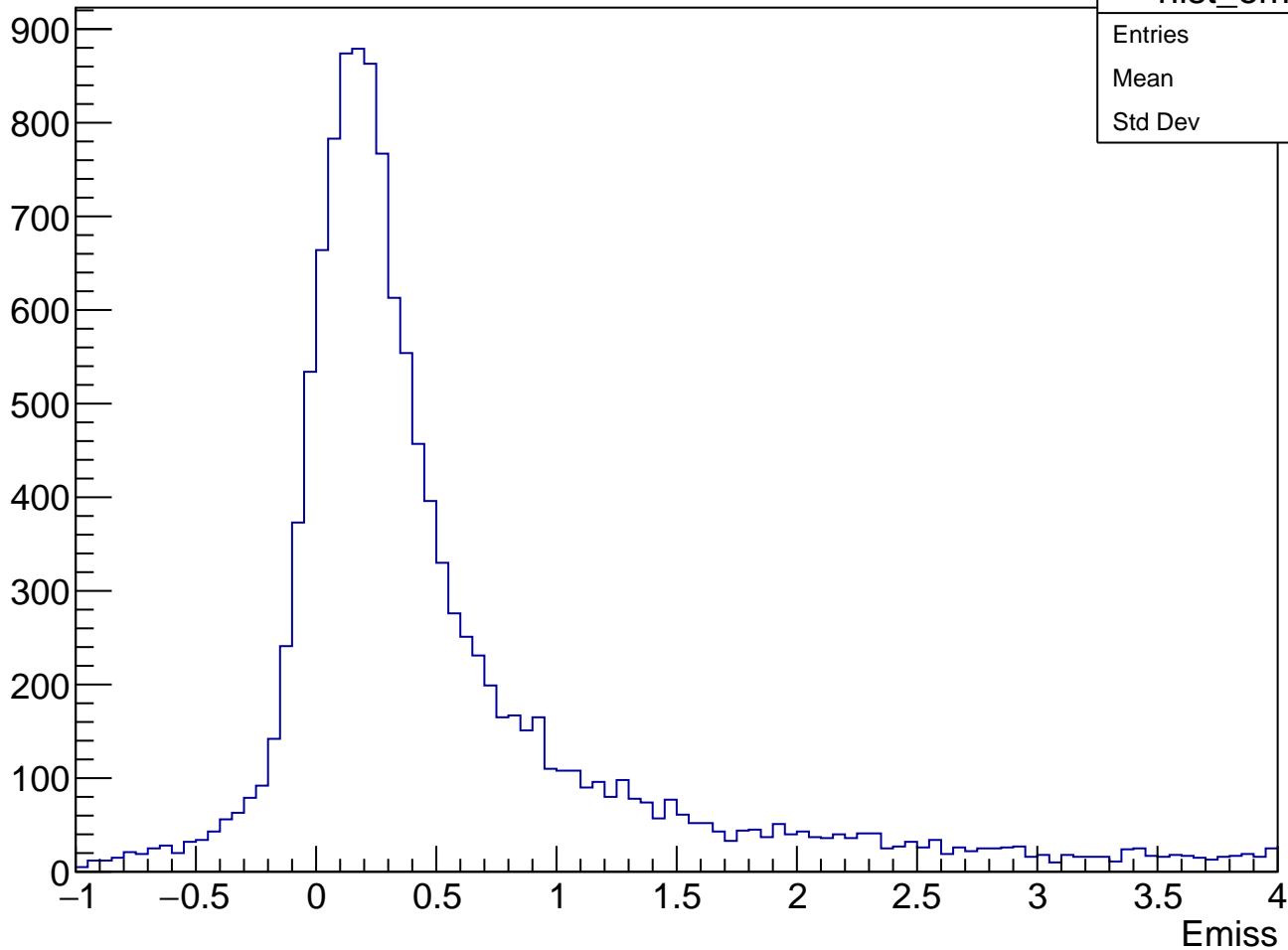
# Run 6171: NPS.kin.secondary.pmiss

Counts



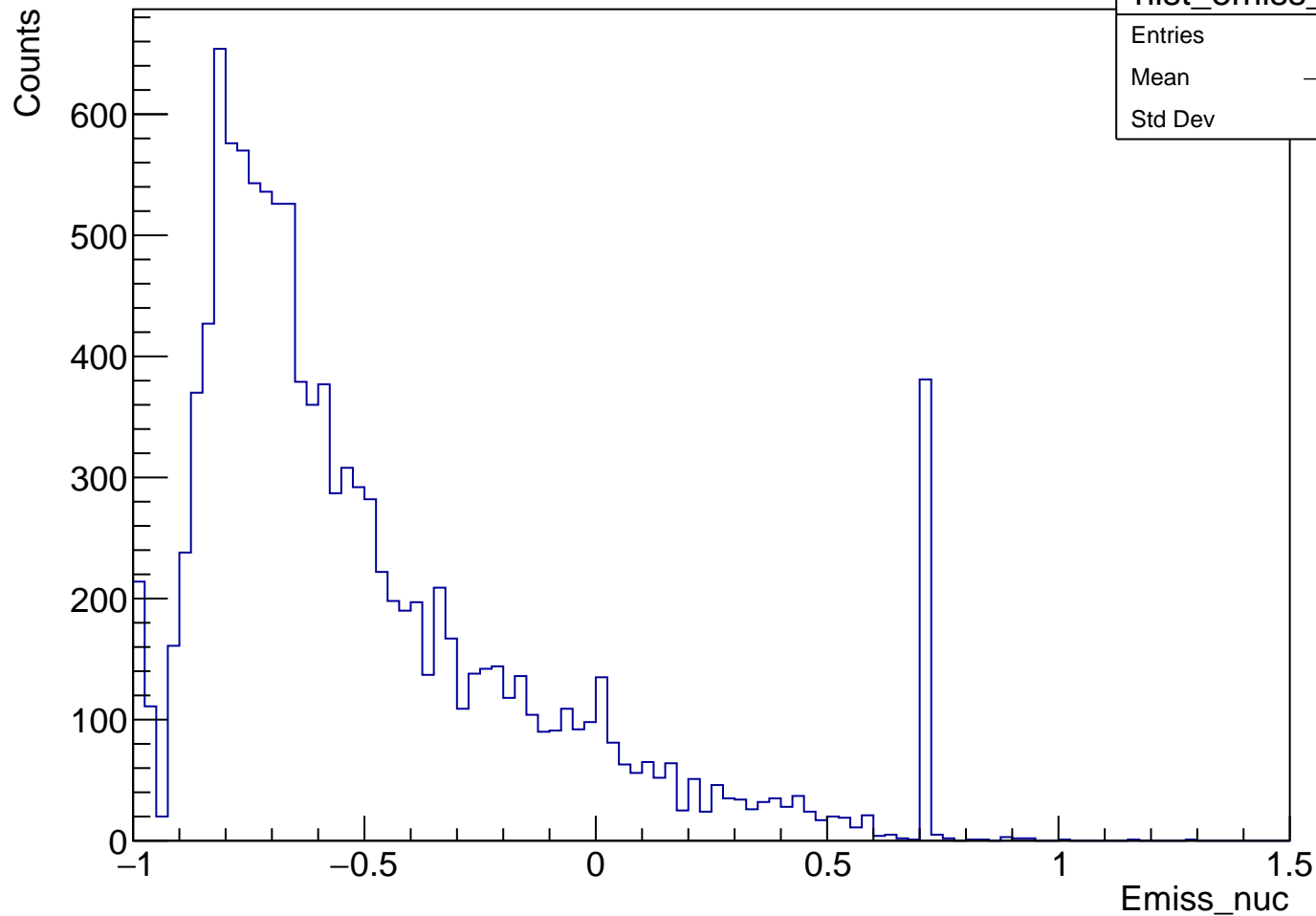
# Run 6171: NPS.kin.secondary.emiss

Counts



# Run 6171: NPS.kin.secondary.emiss\_nuc

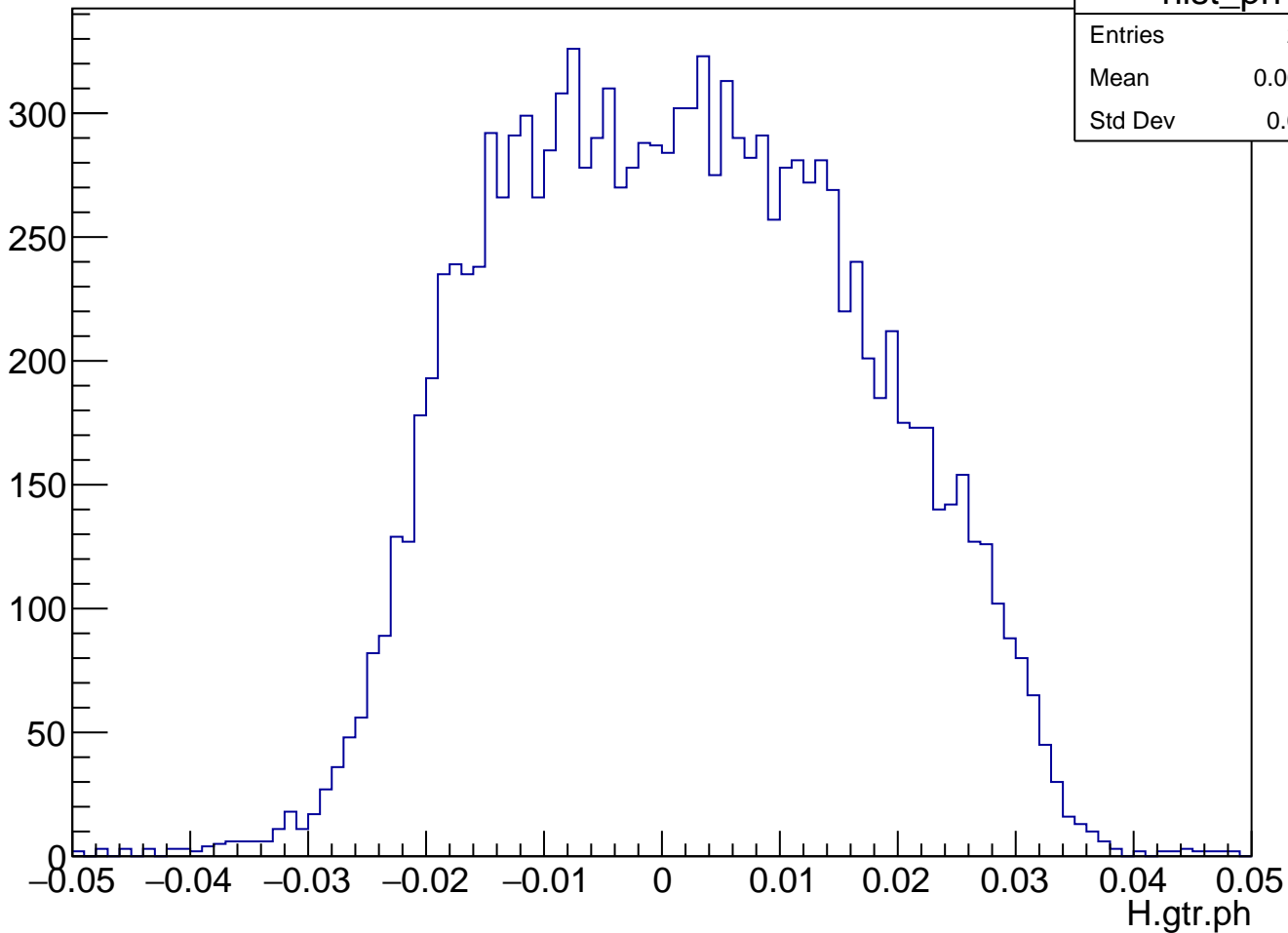
hist_emiss_nuc	
Entries	24300
Mean	-0.4897
Std Dev	0.3929





# Run 6171: H.gtr.ph

Counts



hist\_ph

Entries 24300

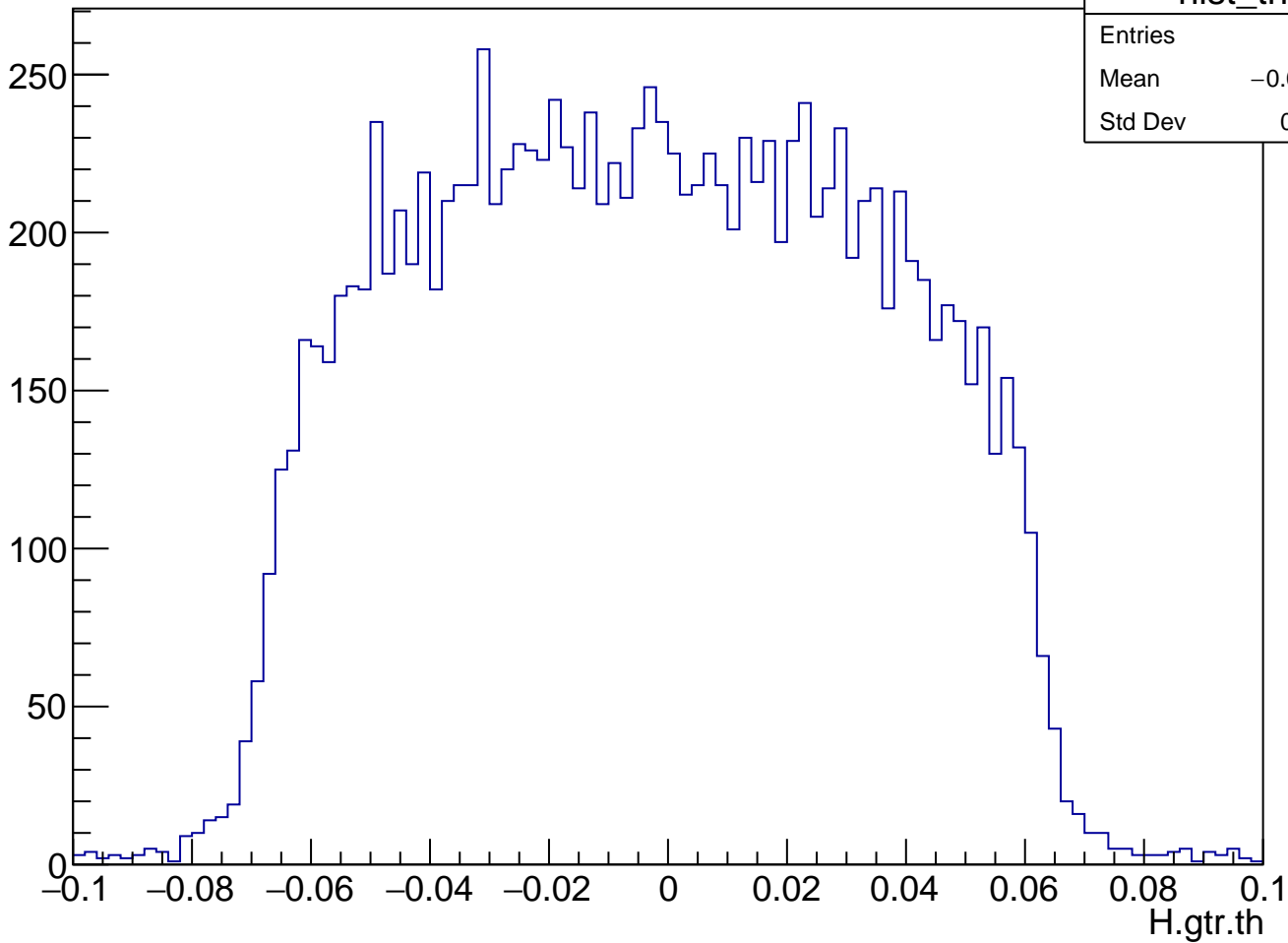
Mean 0.001478

Std Dev 0.01494

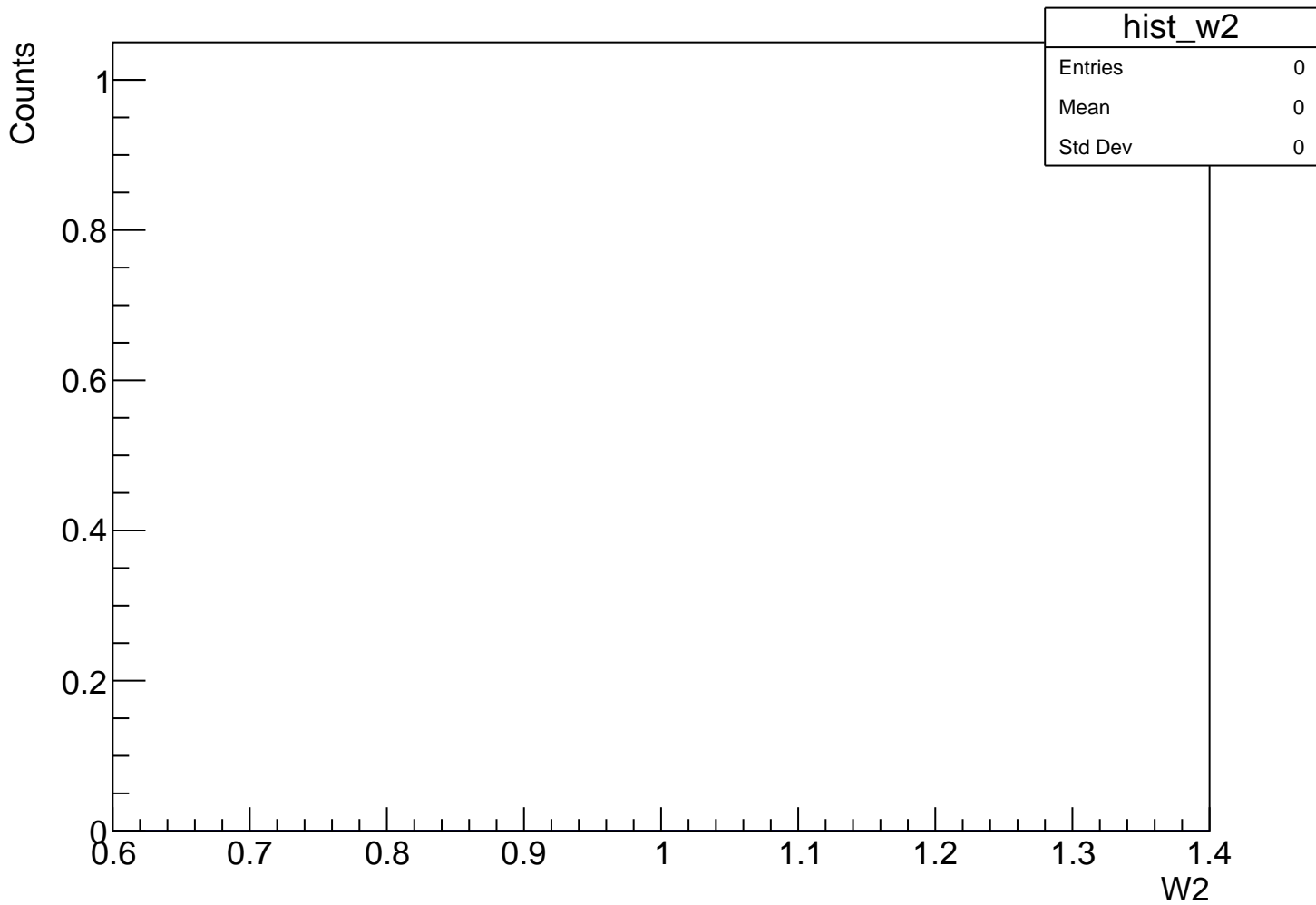
H.gtr.ph

# Run 6171: H.gtr.th

Counts

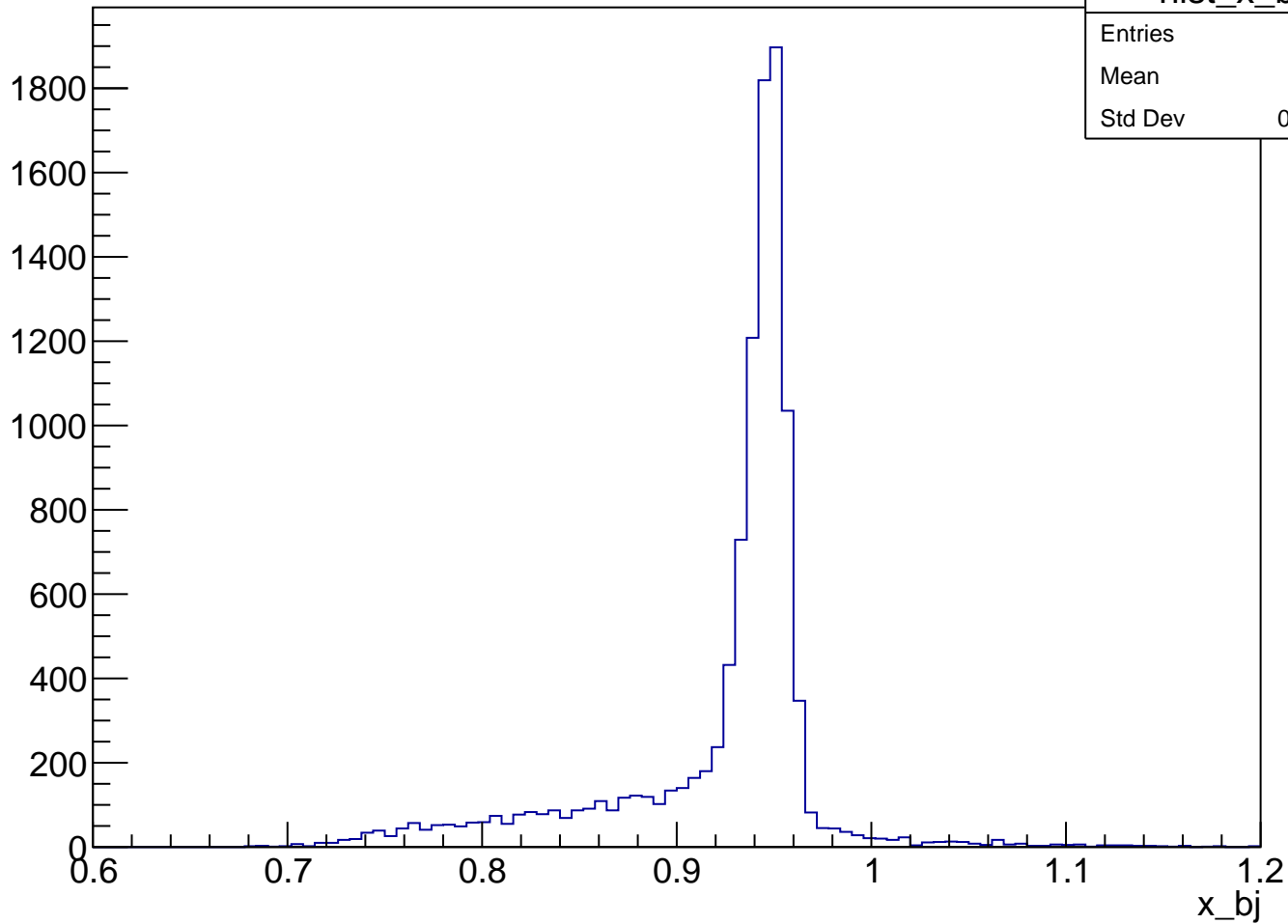


# Run 6172: H.kin.W2



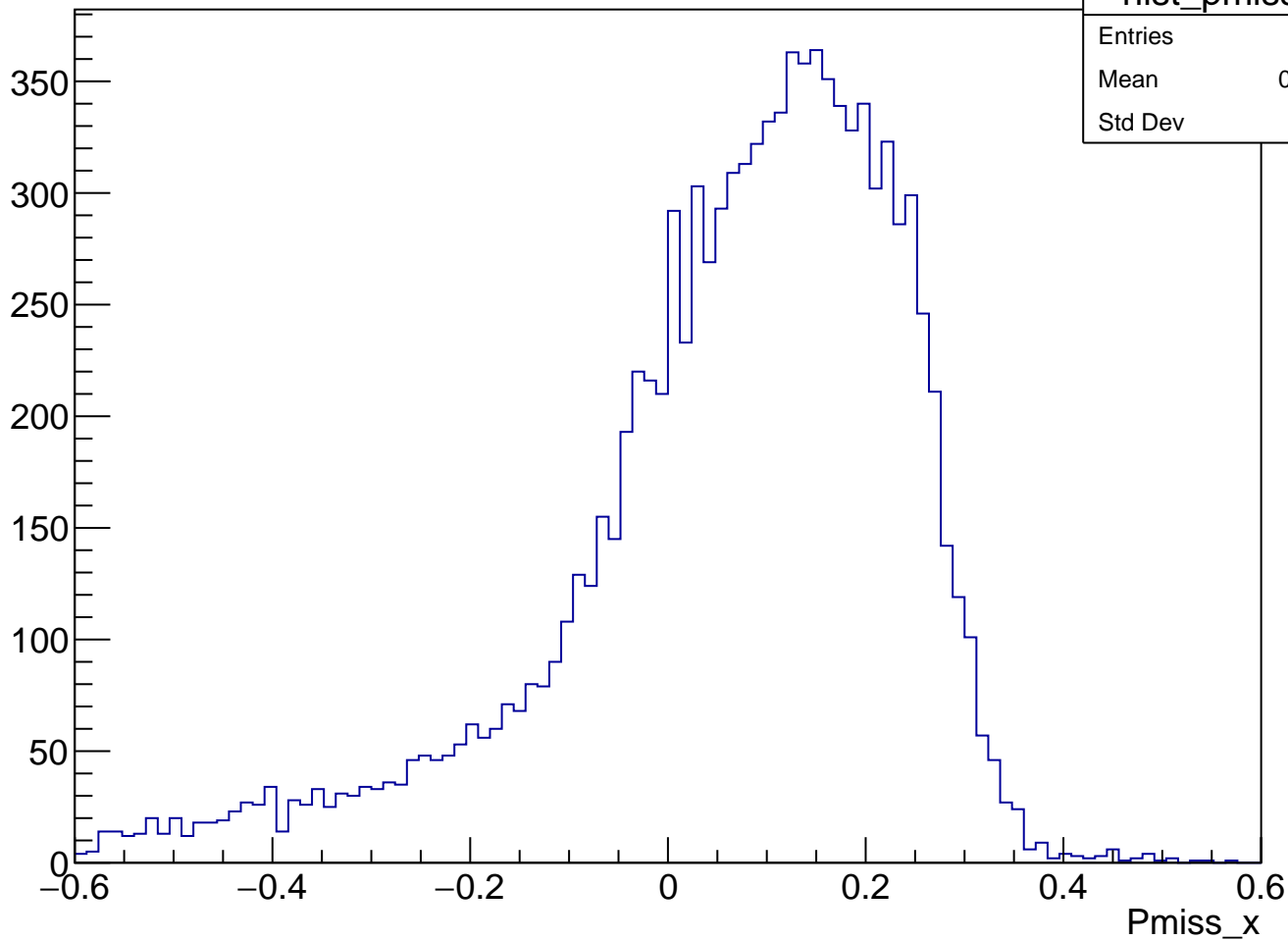
# Run 6172: H.kin.x\_bj

Counts



# Run 6172: NPS.kin.secondary.pmiss\_x

Counts



hist\_pmiss\_x

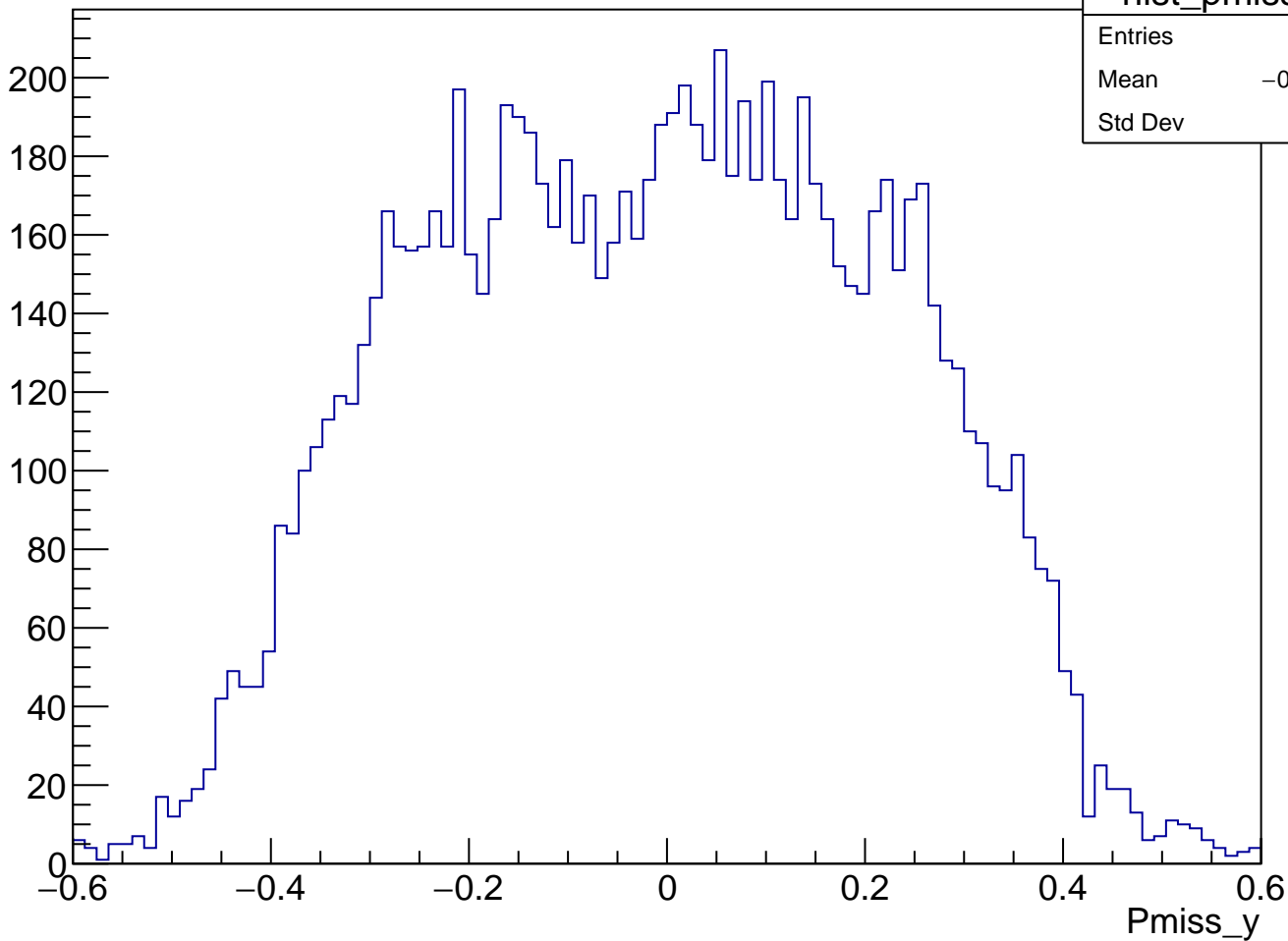
Entries 21366

Mean 0.06599

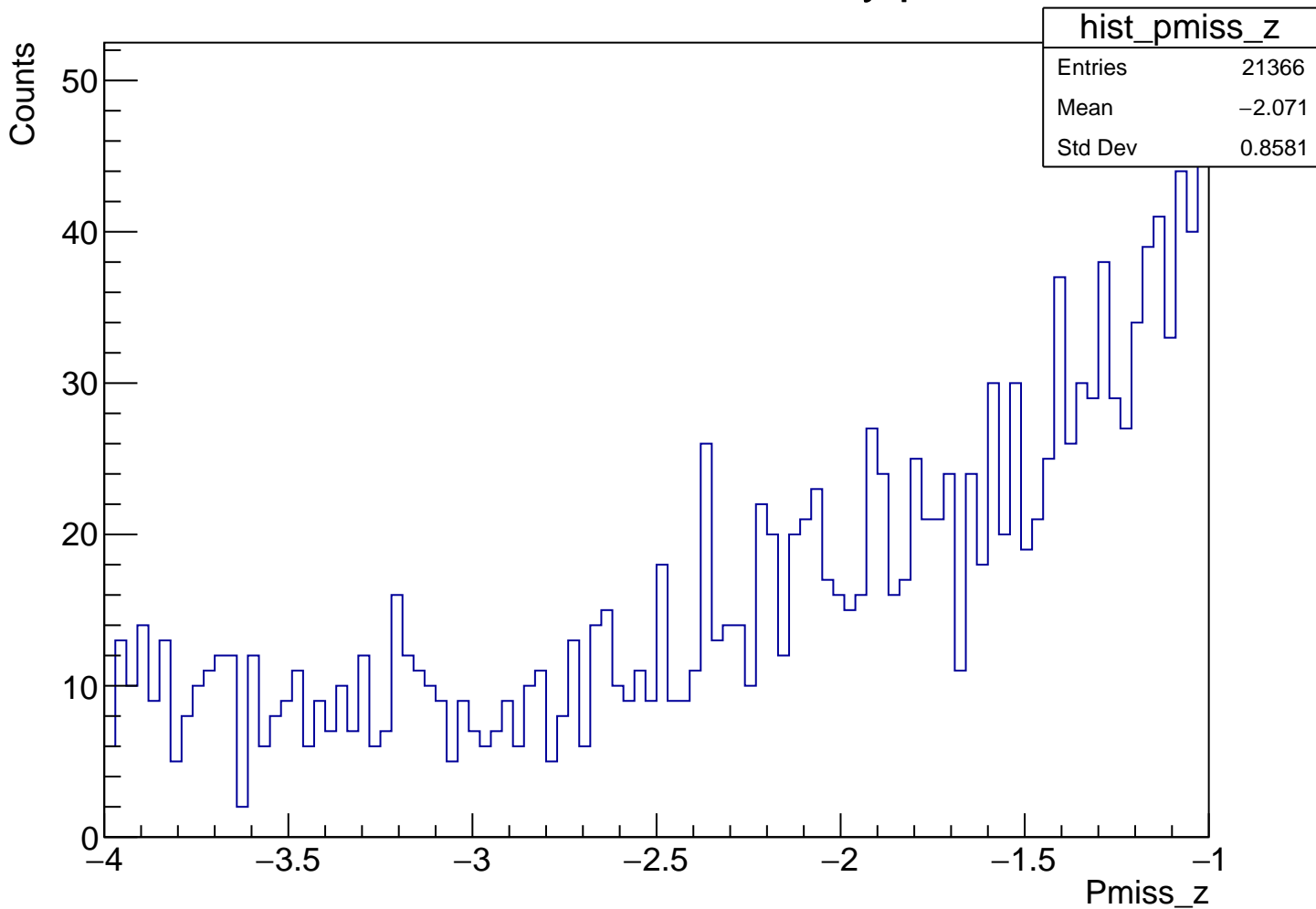
Std Dev 0.1734

# Run 6172: NPS.kin.secondary.pmiss\_y

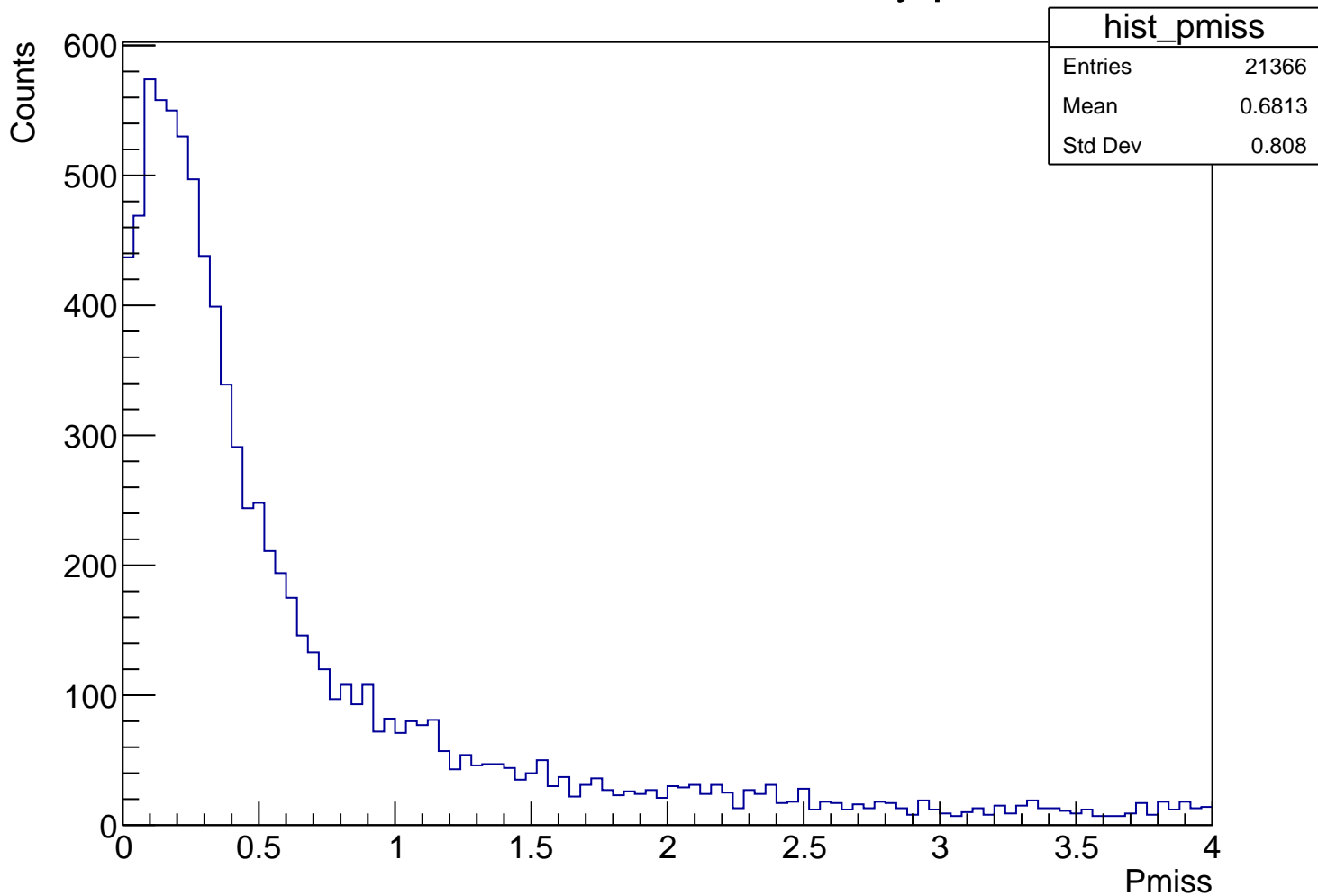
Counts



# Run 6172: NPS.kin.secondary.pmiss\_z



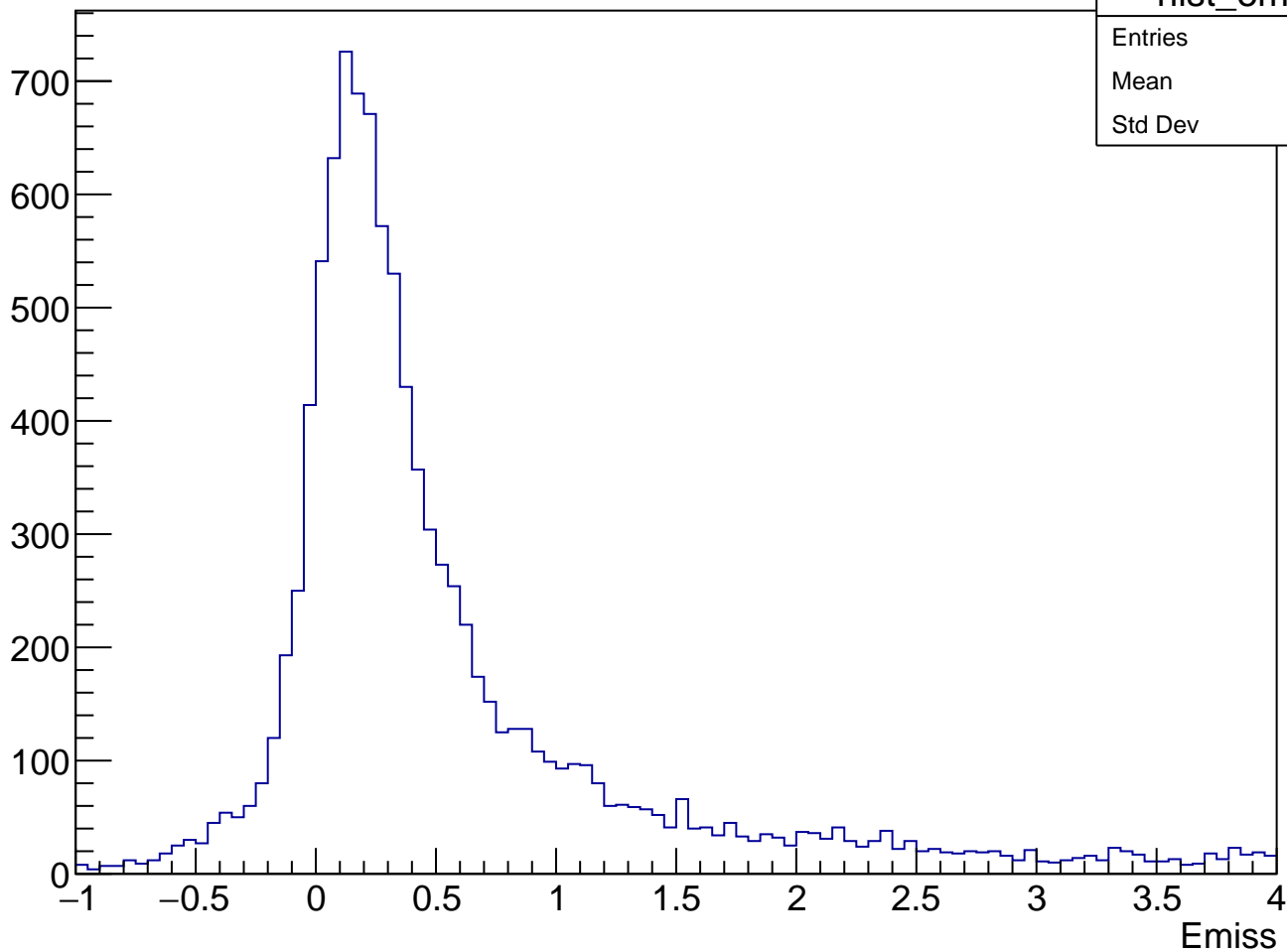
# Run 6172: NPS.kin.secondary.pmiss





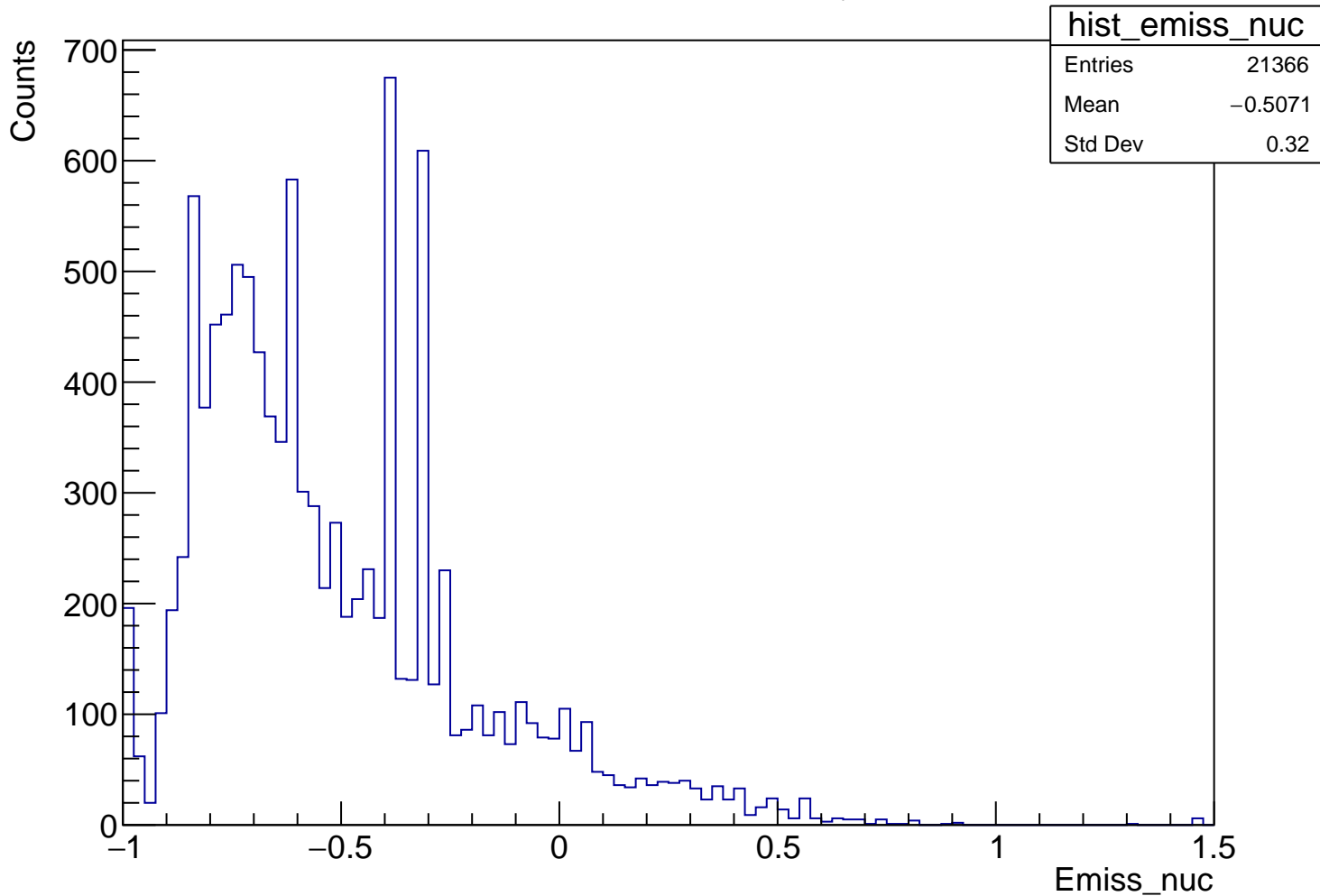
# Run 6172: NPS.kin.secondary.emiss

Counts



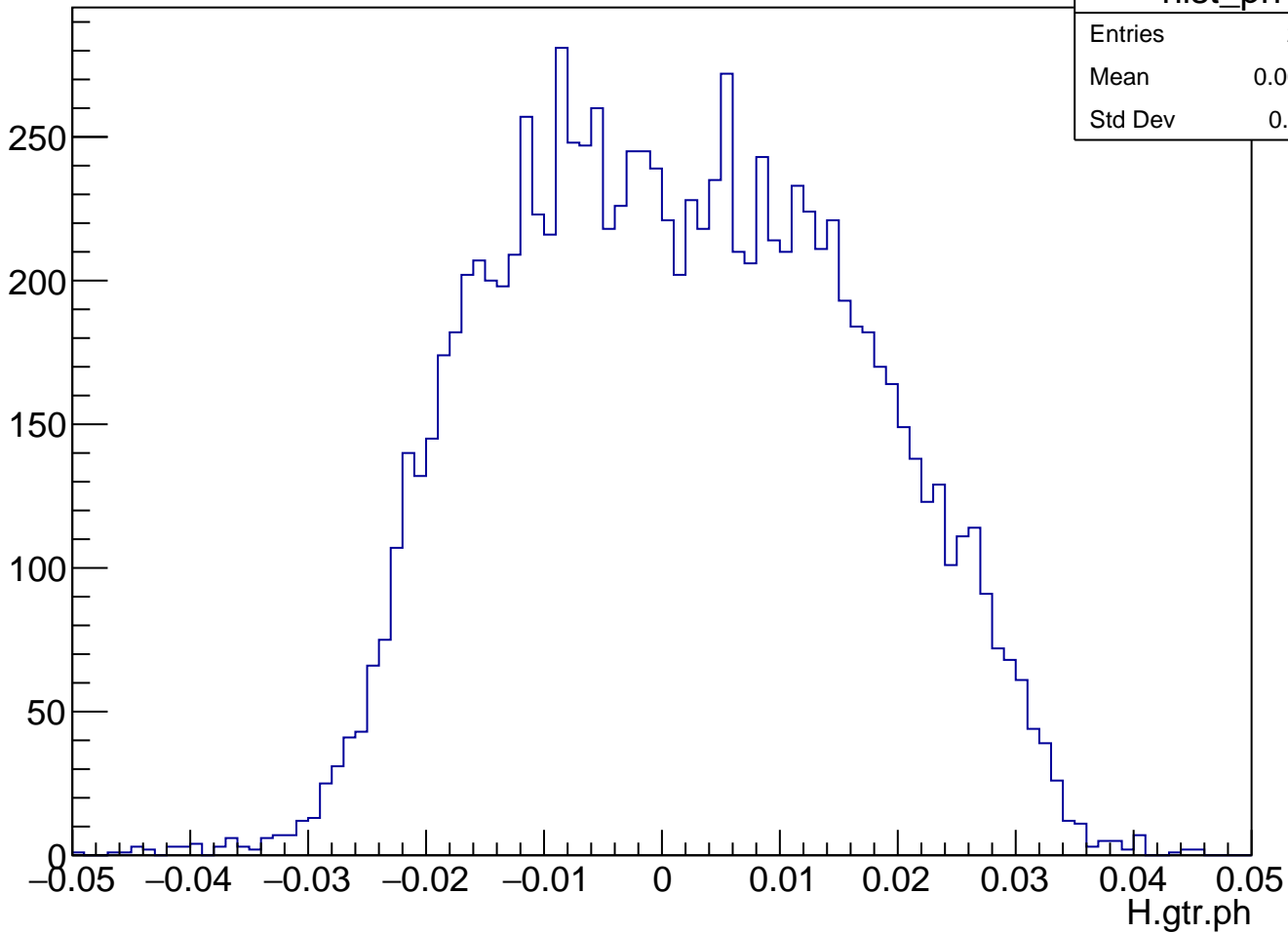
Emiss

# Run 6172: NPS.kin.secondary.emiss\_nuc



# Run 6172: H.gtr.ph

Counts



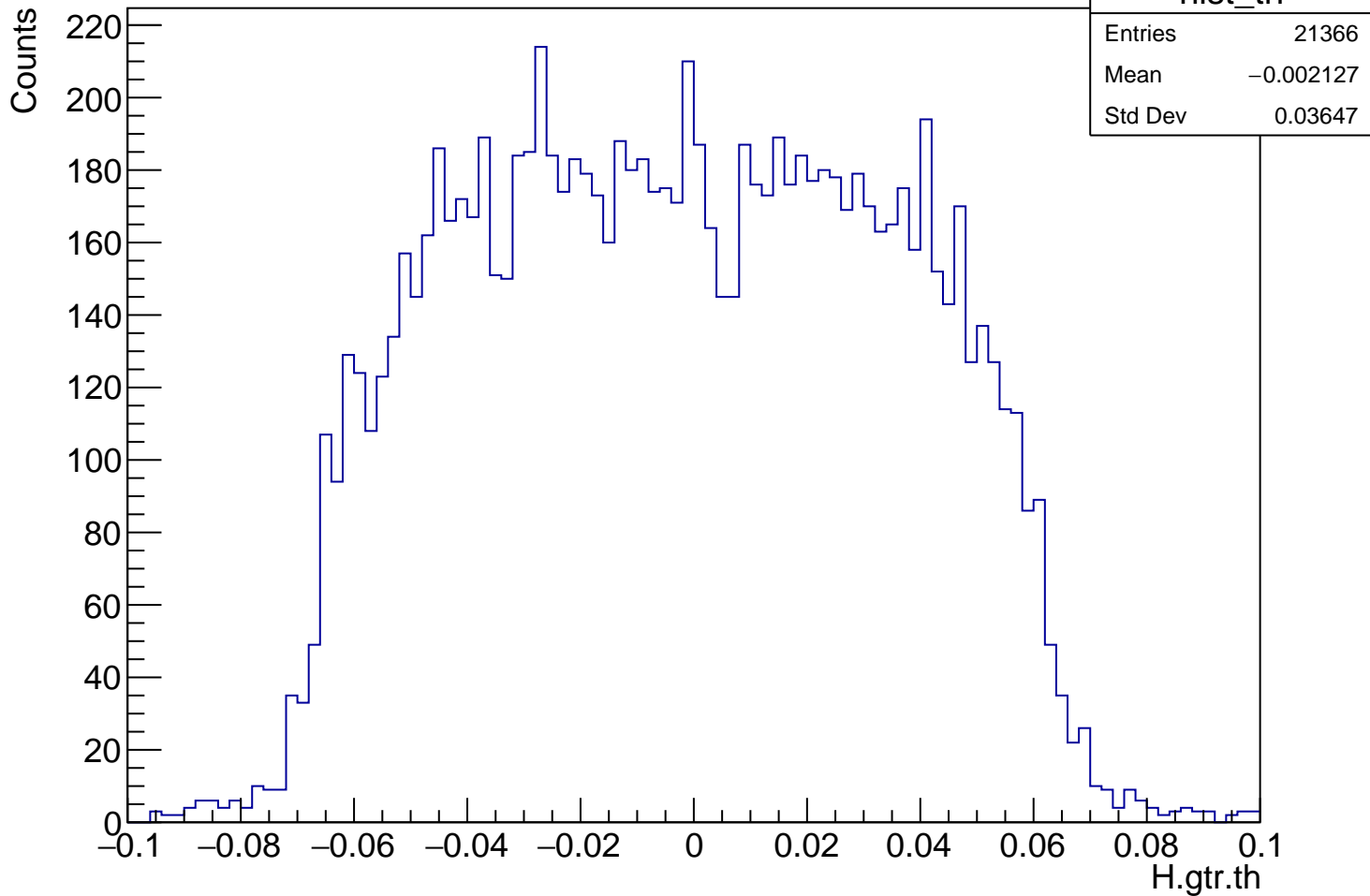
hist\_ph

Entries 21366

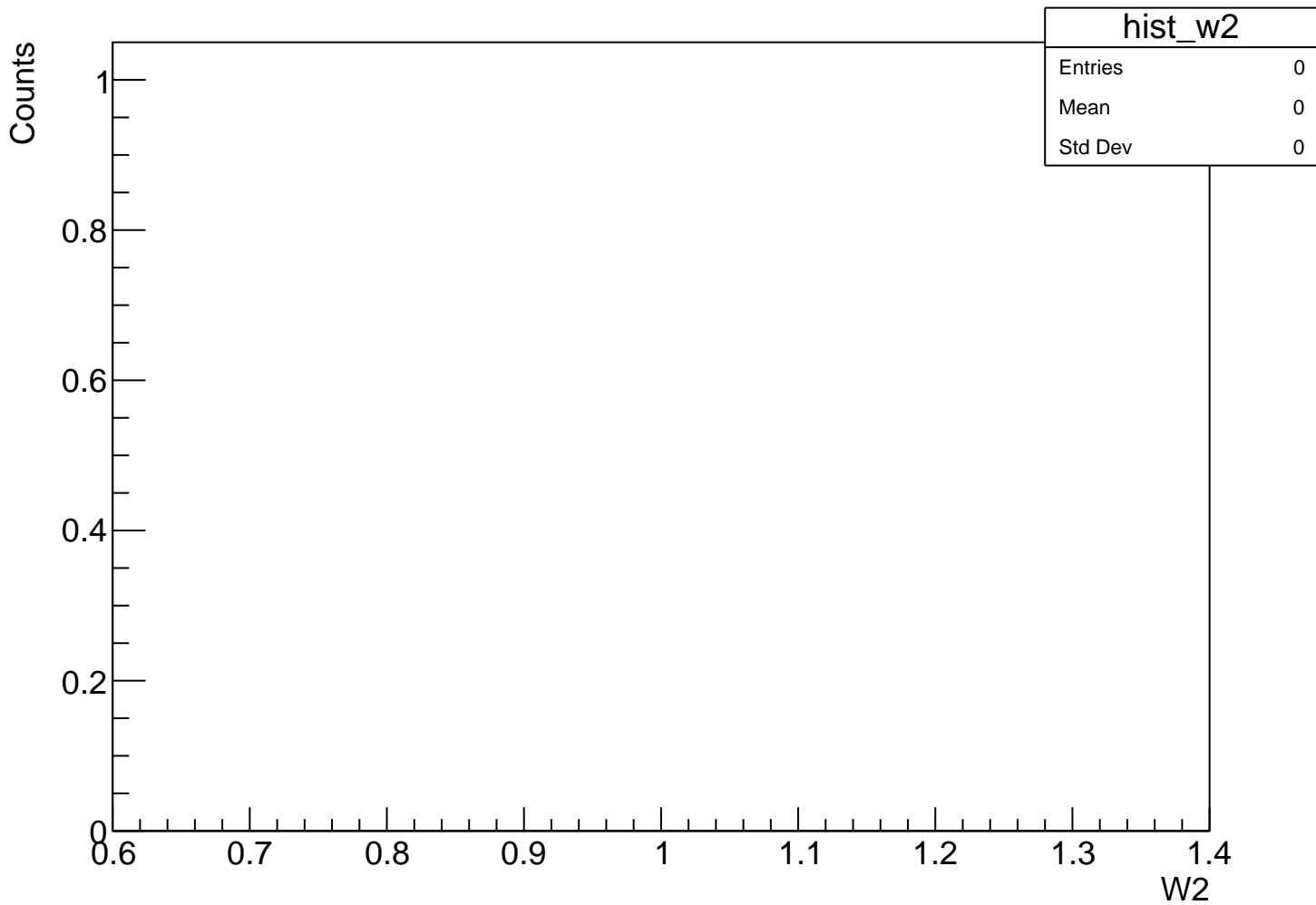
Mean 0.001419

Std Dev 0.01489

# Run 6172: H.gtr.th

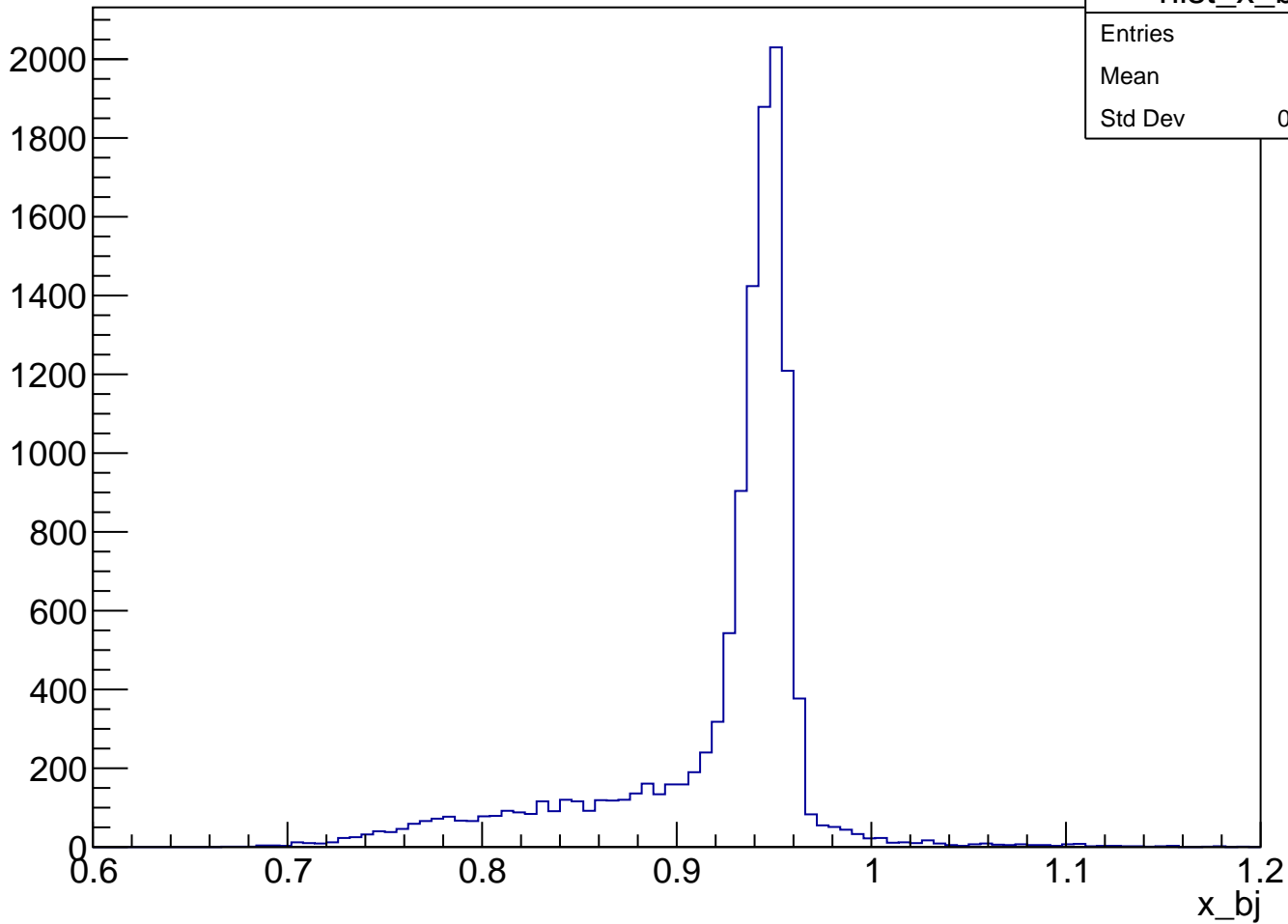


# Run 6173: H.kin.W2



# Run 6173: H.kin.x\_bj

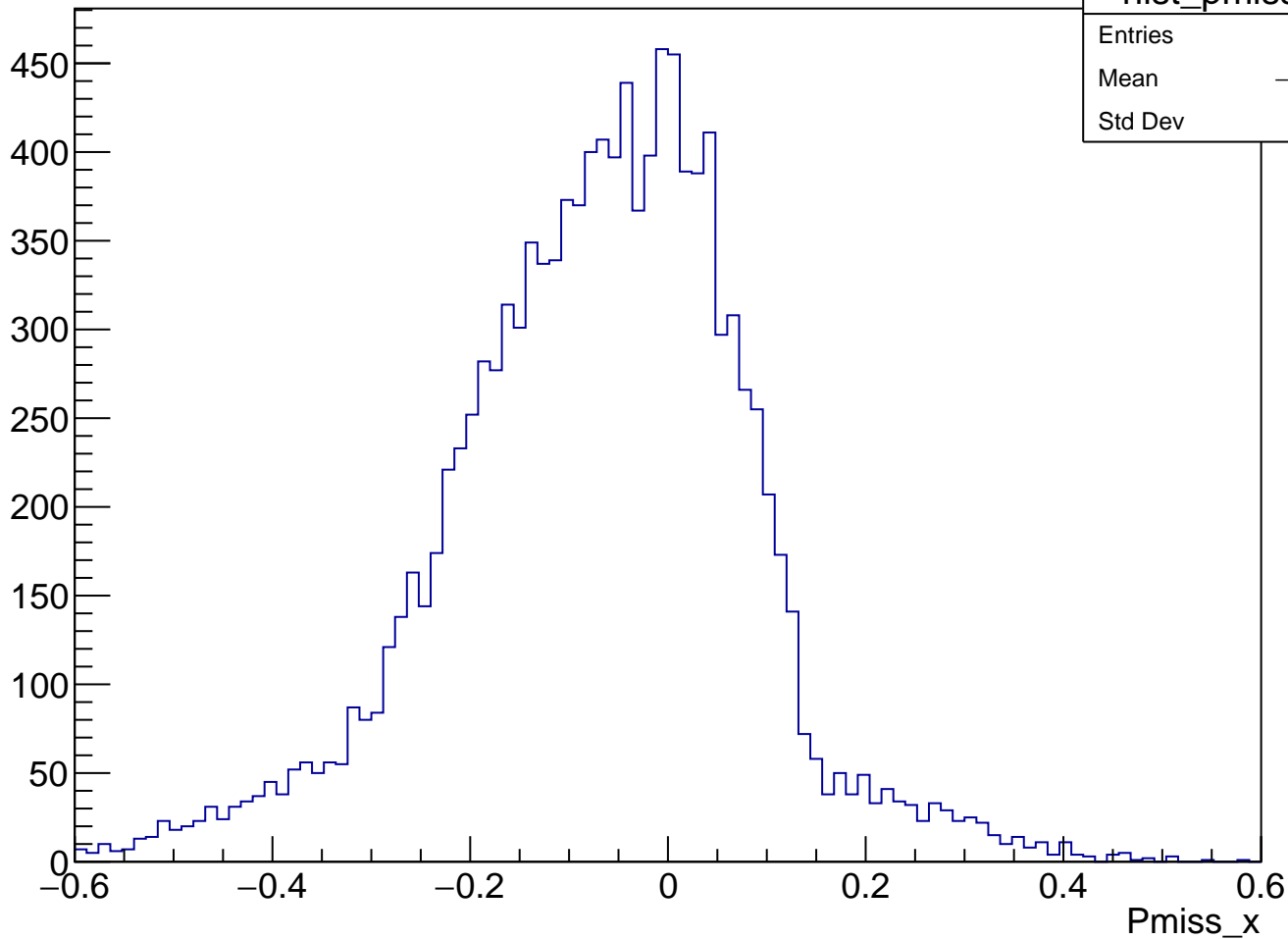
Counts



# Run 6173: NPS.kin.secondary.pmiss\_x

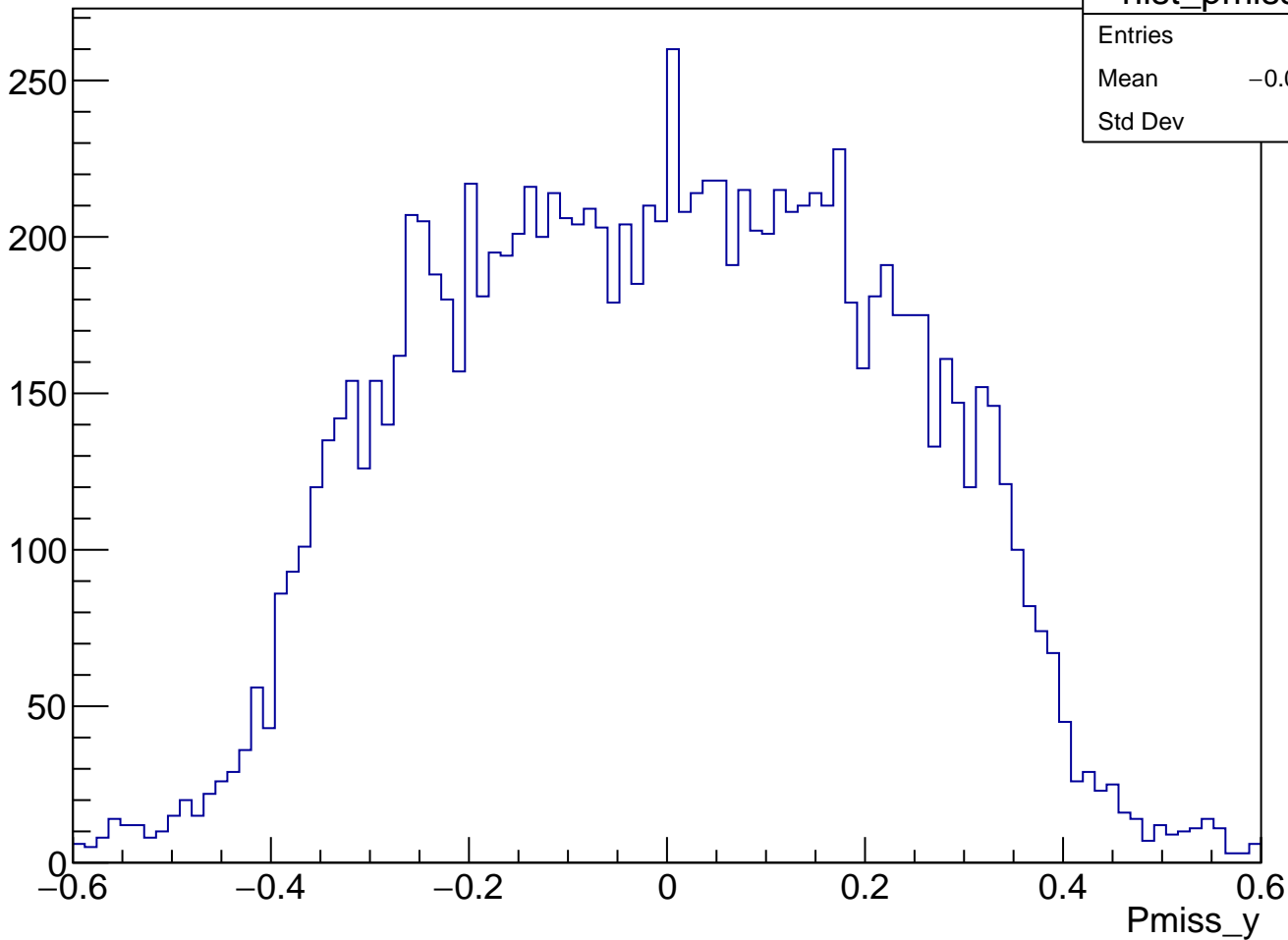
Counts

hist_pmiss_x	
Entries	24274
Mean	-0.0709
Std Dev	0.1514



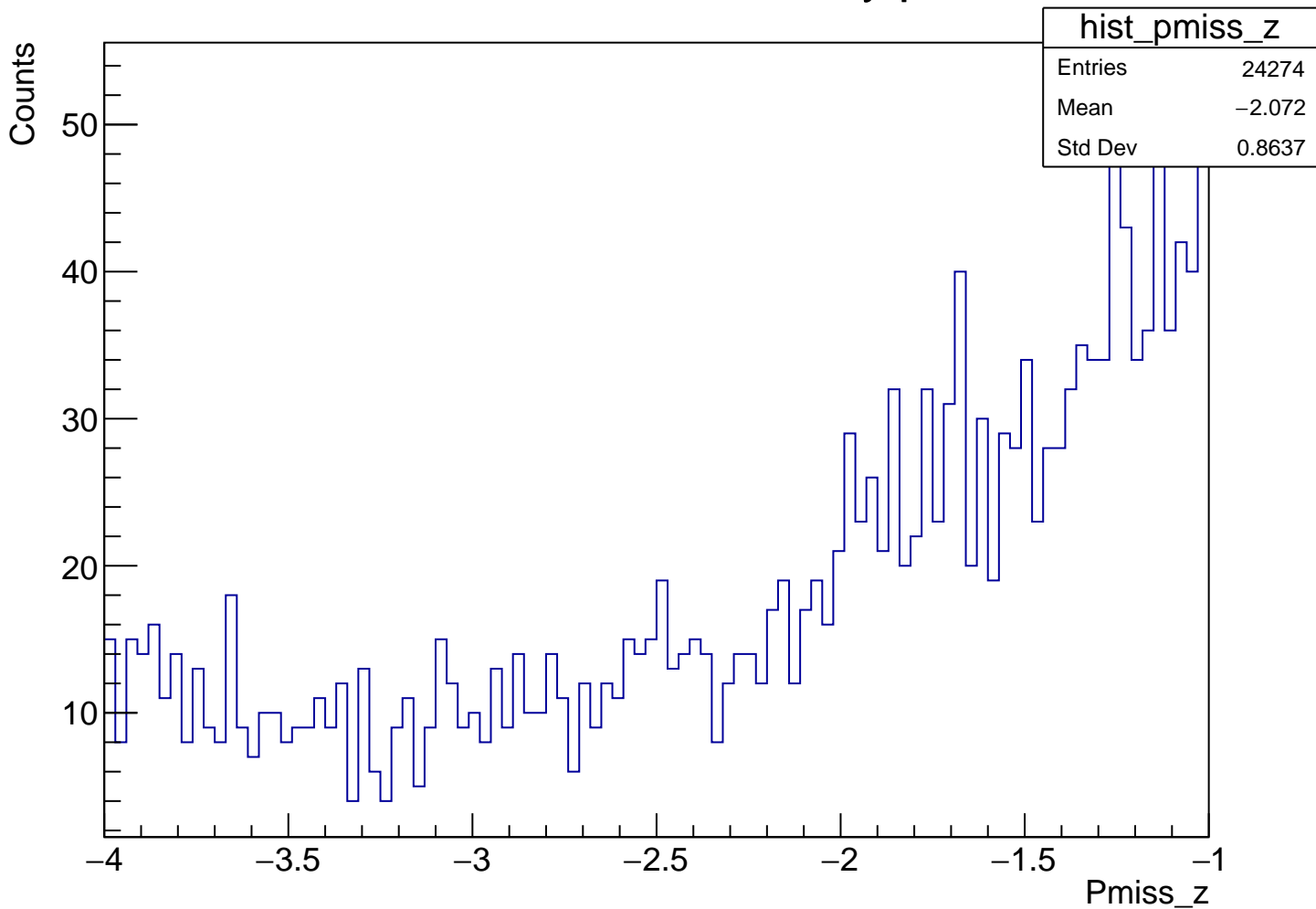
# Run 6173: NPS.kin.secondary.pmiss\_y

Counts

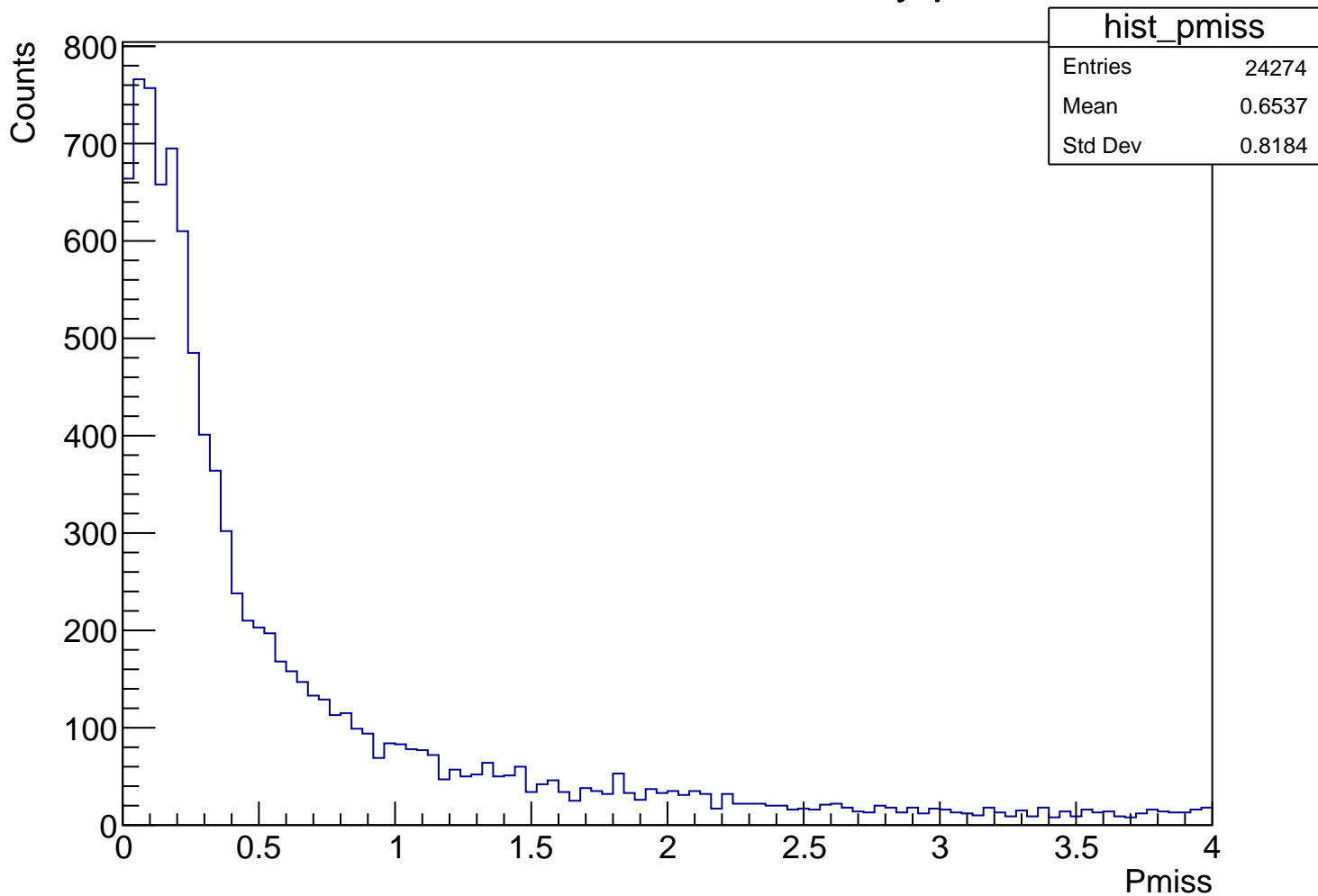




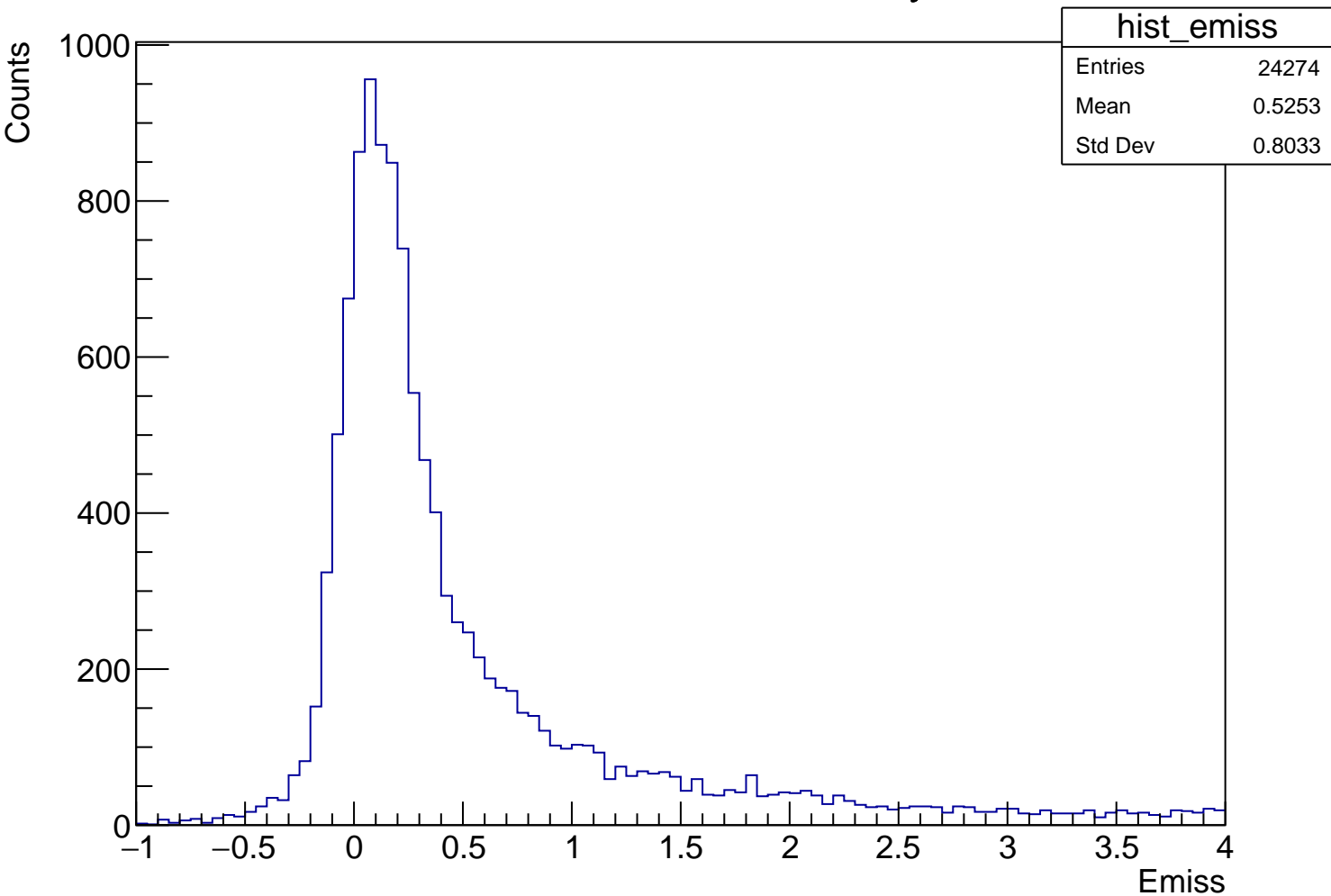
# Run 6173: NPS.kin.secondary.pmiss\_z



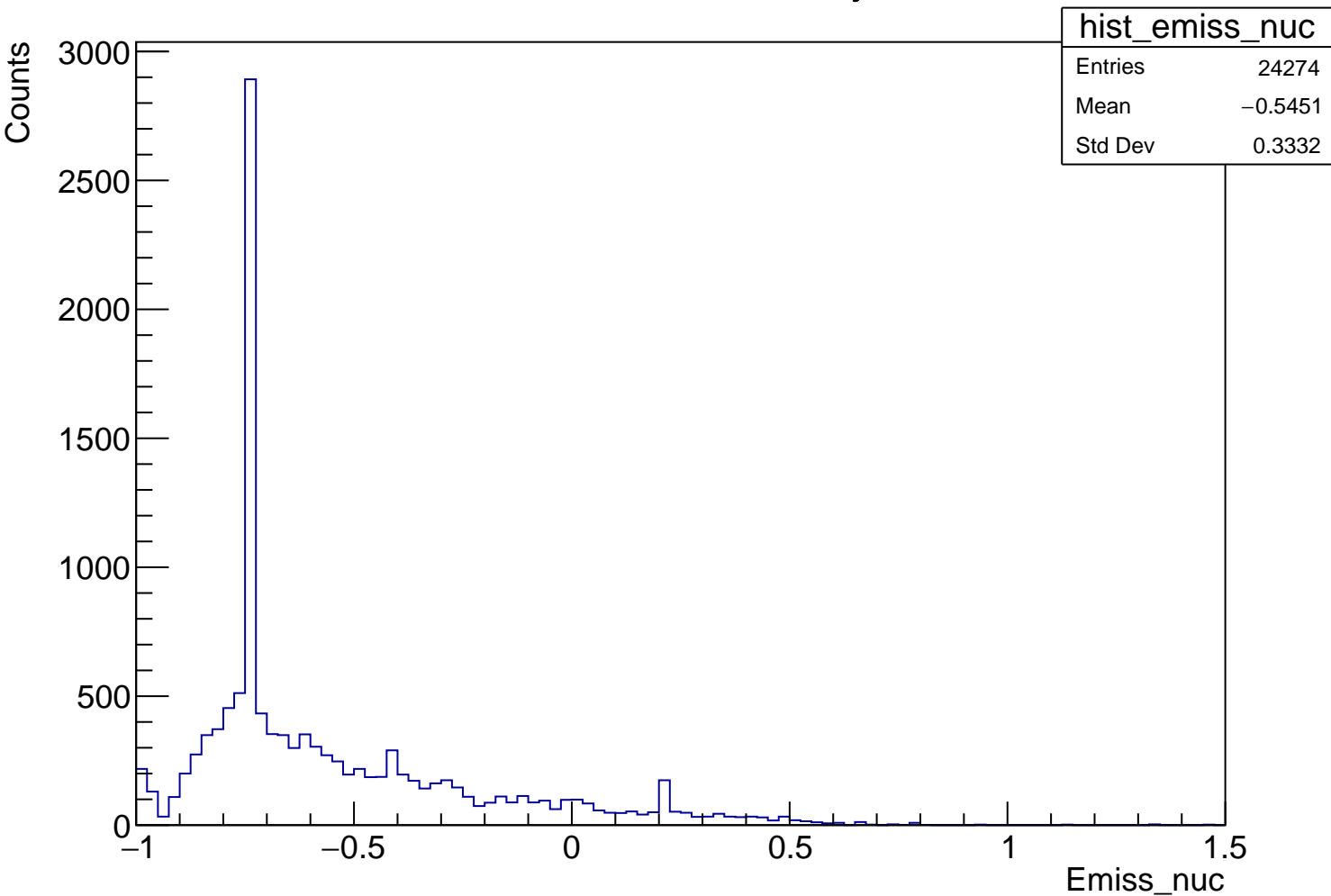
# Run 6173: NPS.kin.secondary.pmiss



# Run 6173: NPS.kin.secondary.emiss

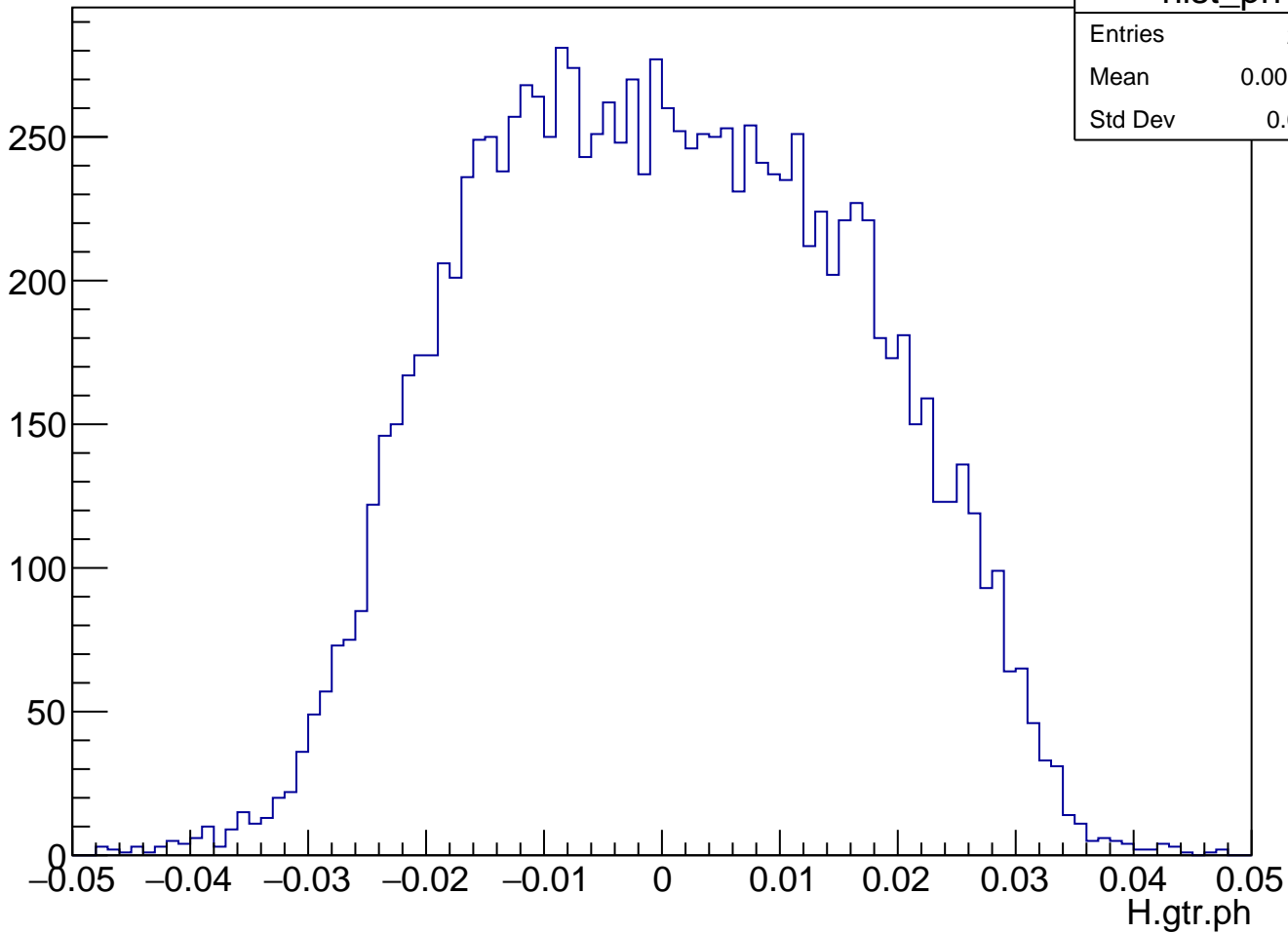


# Run 6173: NPS.kin.secondary.emiss\_nuc



# Run 6173: H.gtr.ph

Counts



hist\_ph

Entries 24274

Mean 0.0002194

Std Dev 0.01567

# Run 6173: H.gtr.th

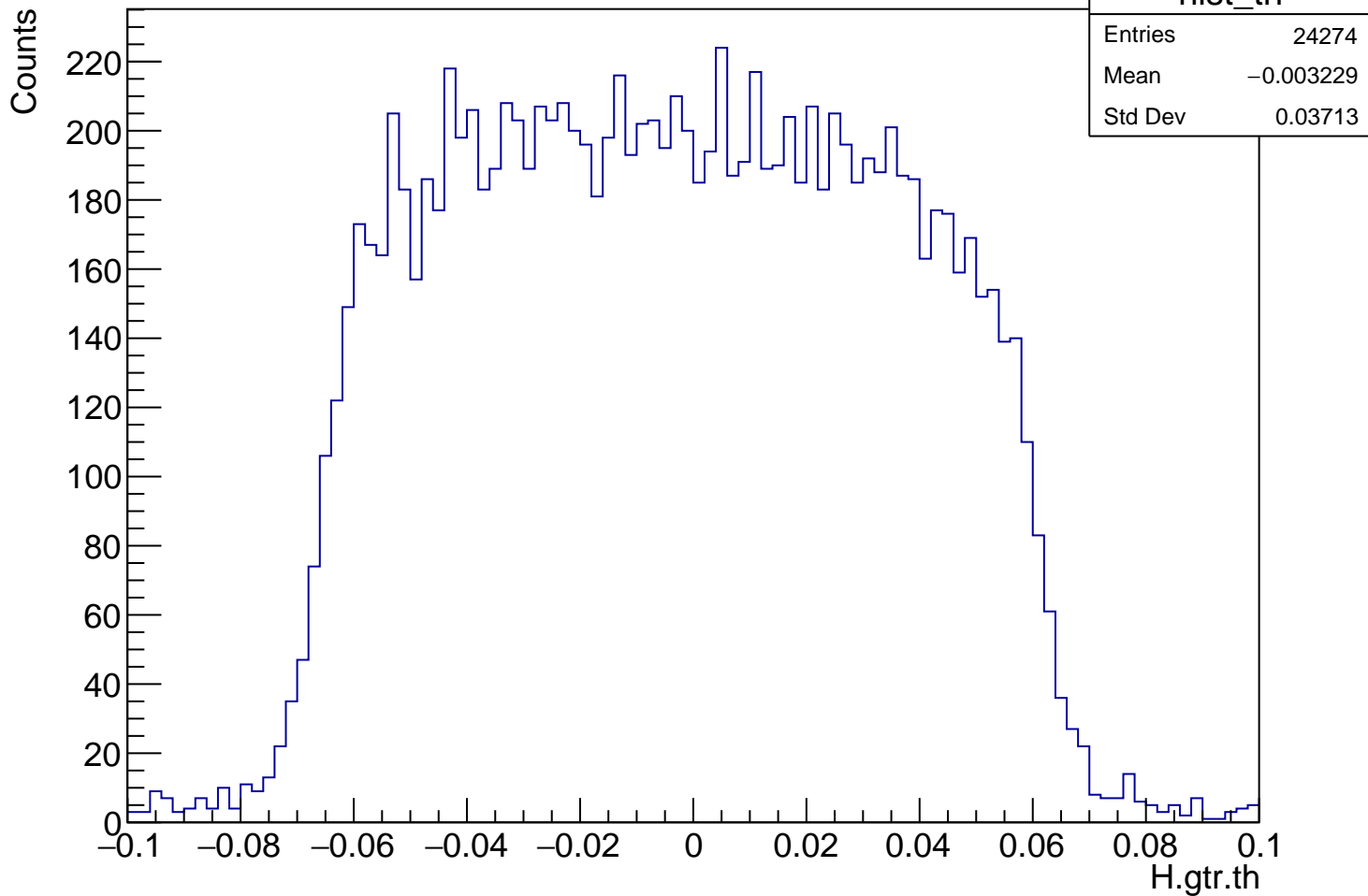
Counts

220  
200  
180  
160  
140  
120  
100  
80  
60  
40  
20  
0

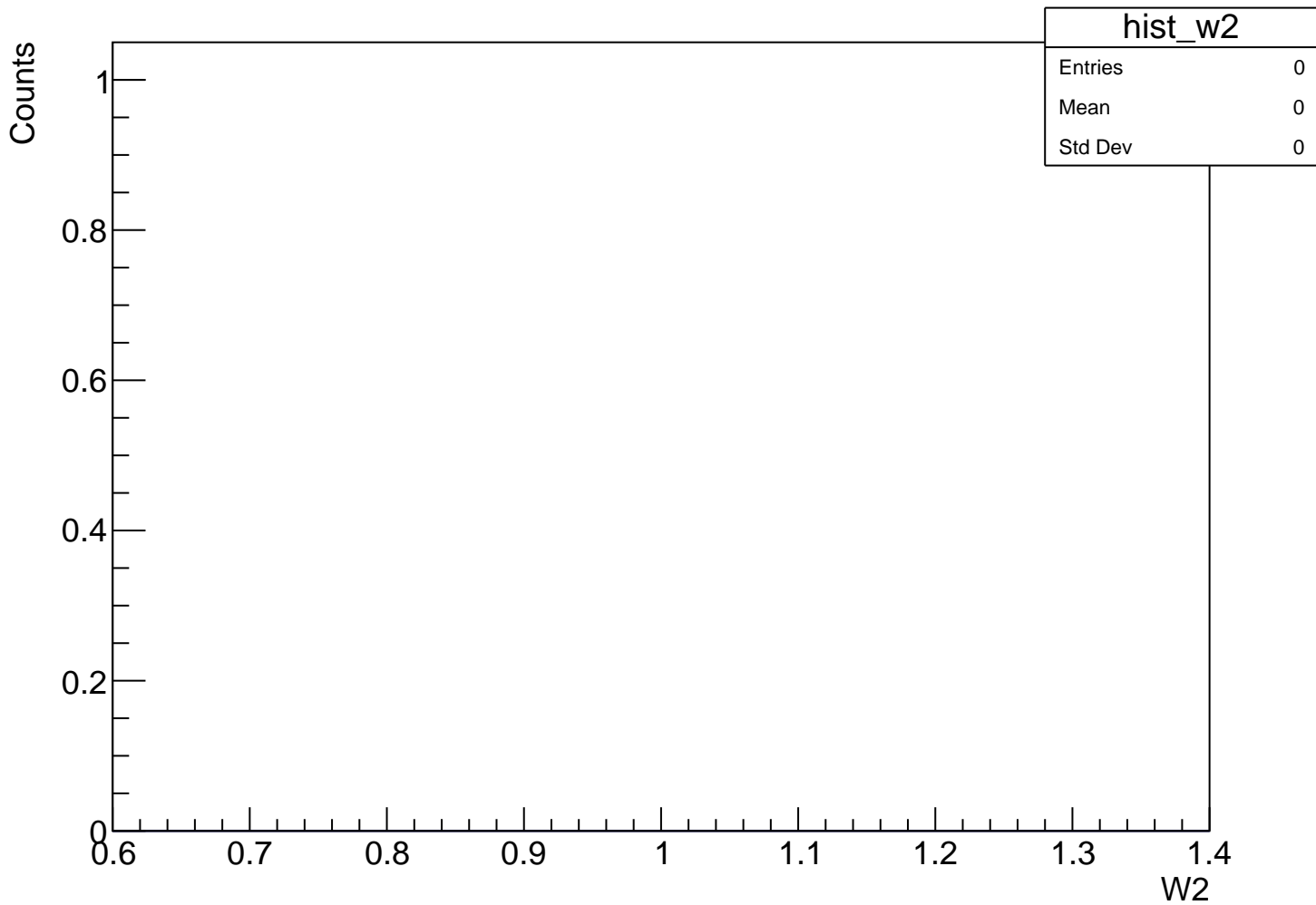
hist_th	
Entries	24274
Mean	-0.003229
Std Dev	0.03713

-0.1 -0.08 -0.06 -0.04 -0.02 0 0.02 0.04 0.06 0.08 0.1

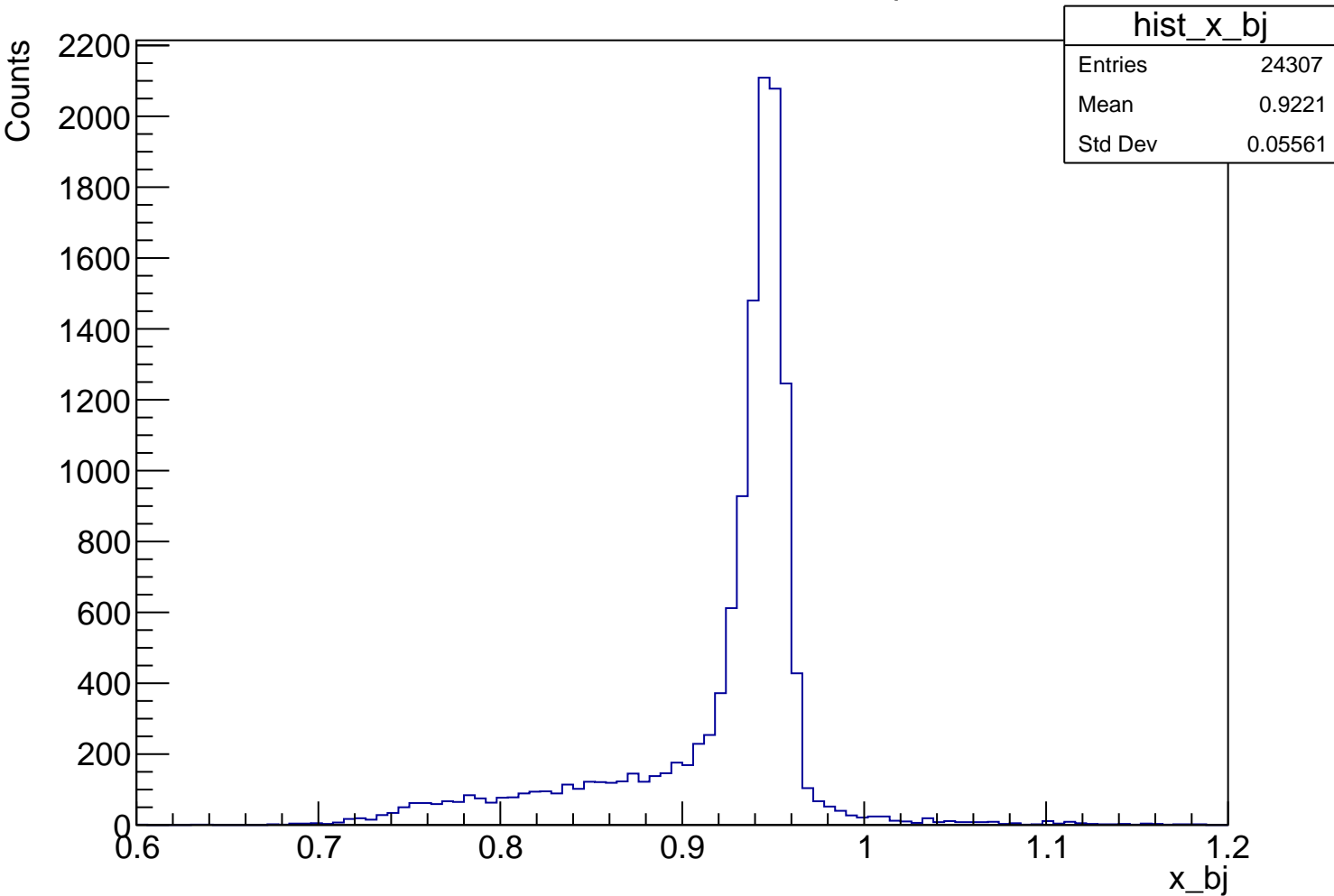
H.gtr.th



# Run 6174: H.kin.W2



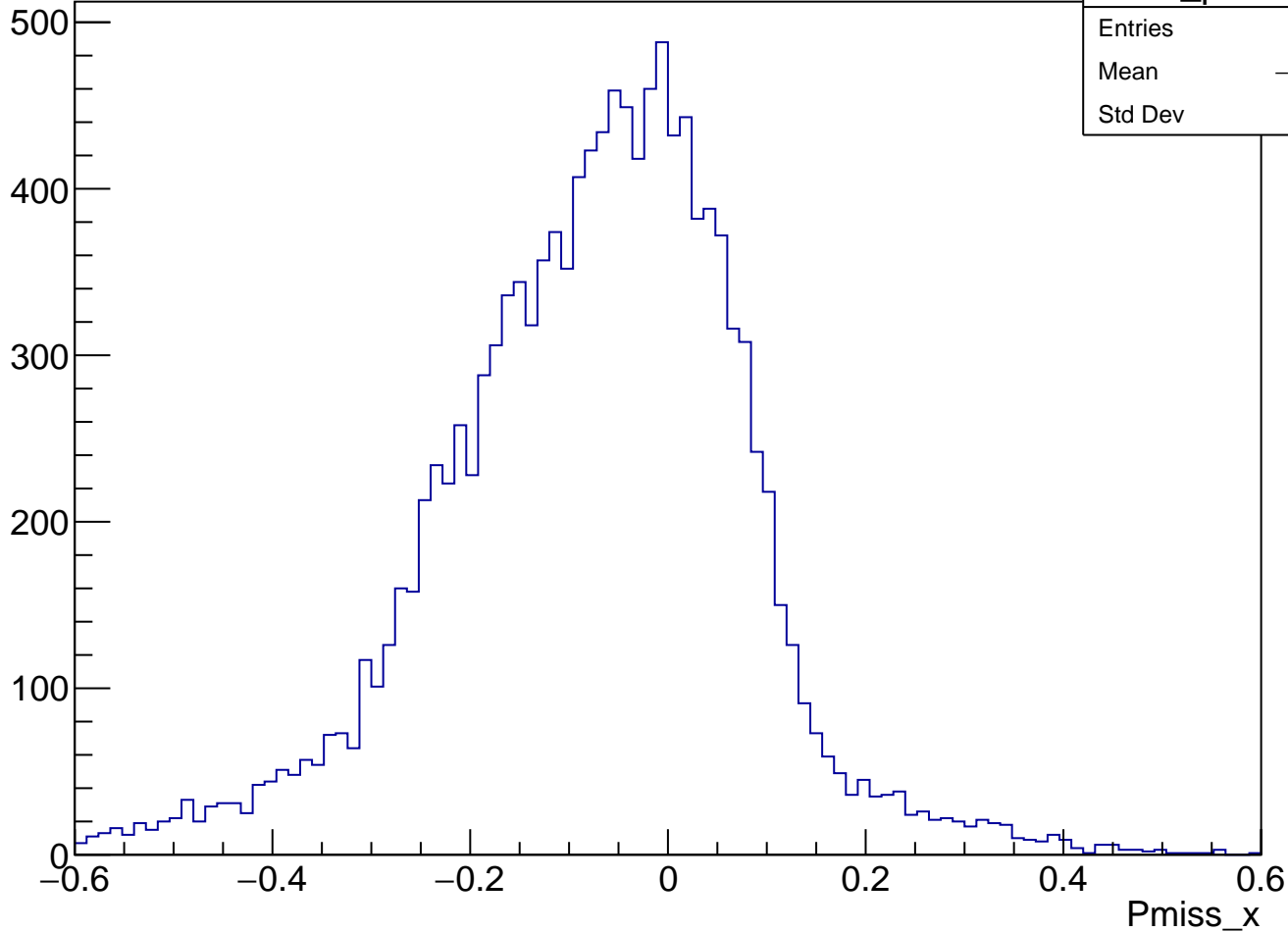
# Run 6174: H.kin.x\_bj





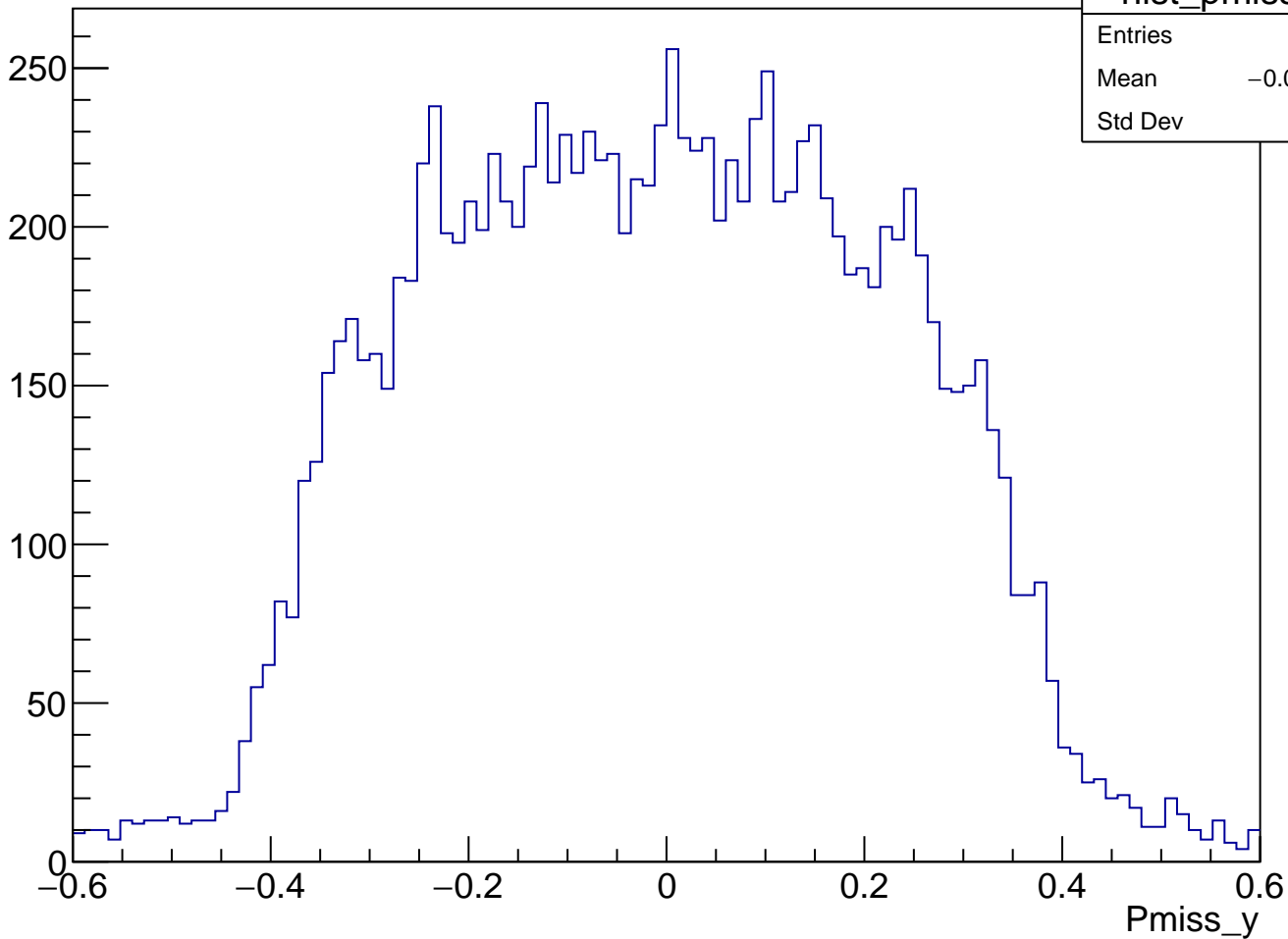
# Run 6174: NPS.kin.secondary.pmiss\_x

Counts



# Run 6174: NPS.kin.secondary.pmiss\_y

Counts



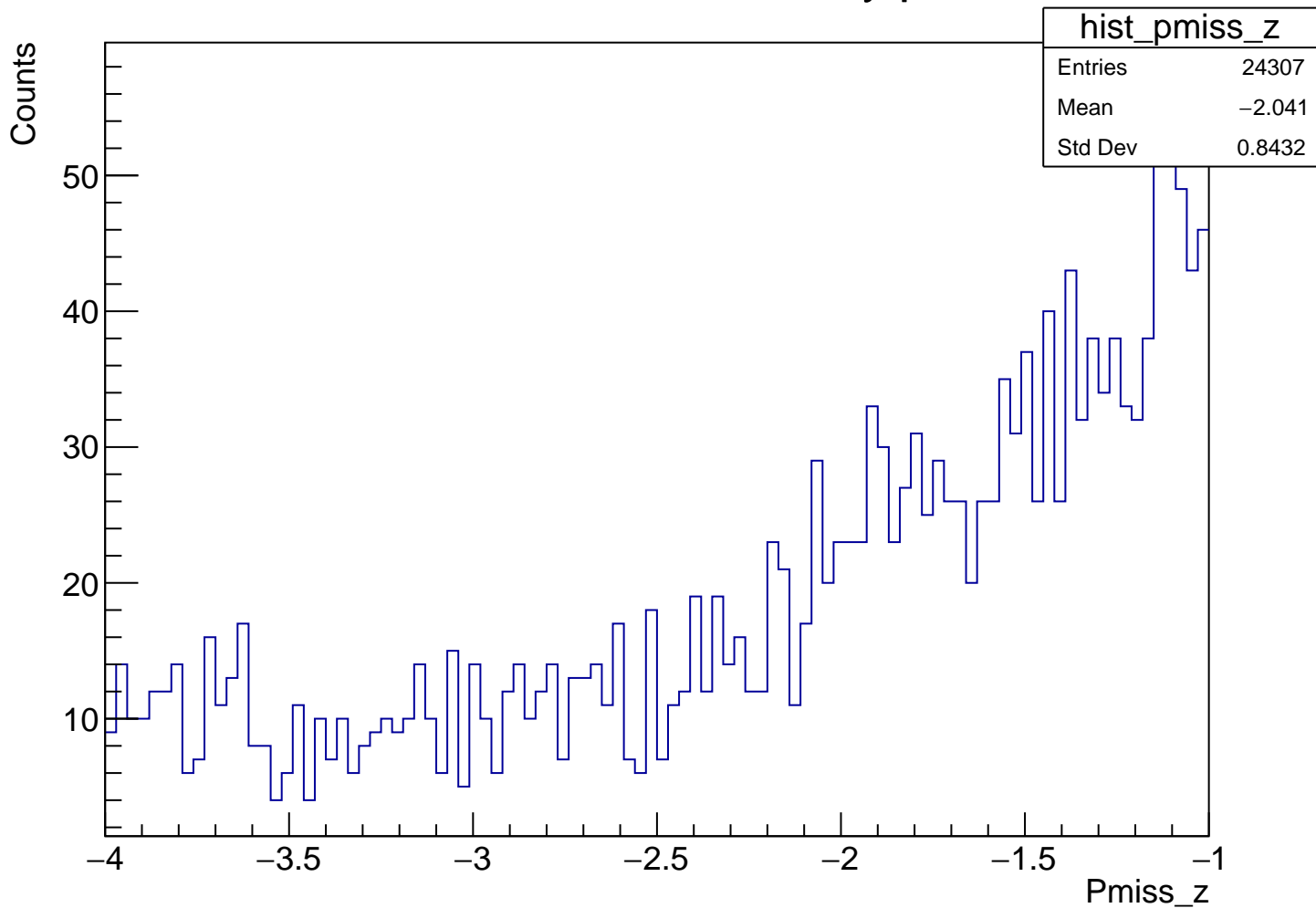
hist\_pmiss\_y

Entries 24307

Mean -0.008189

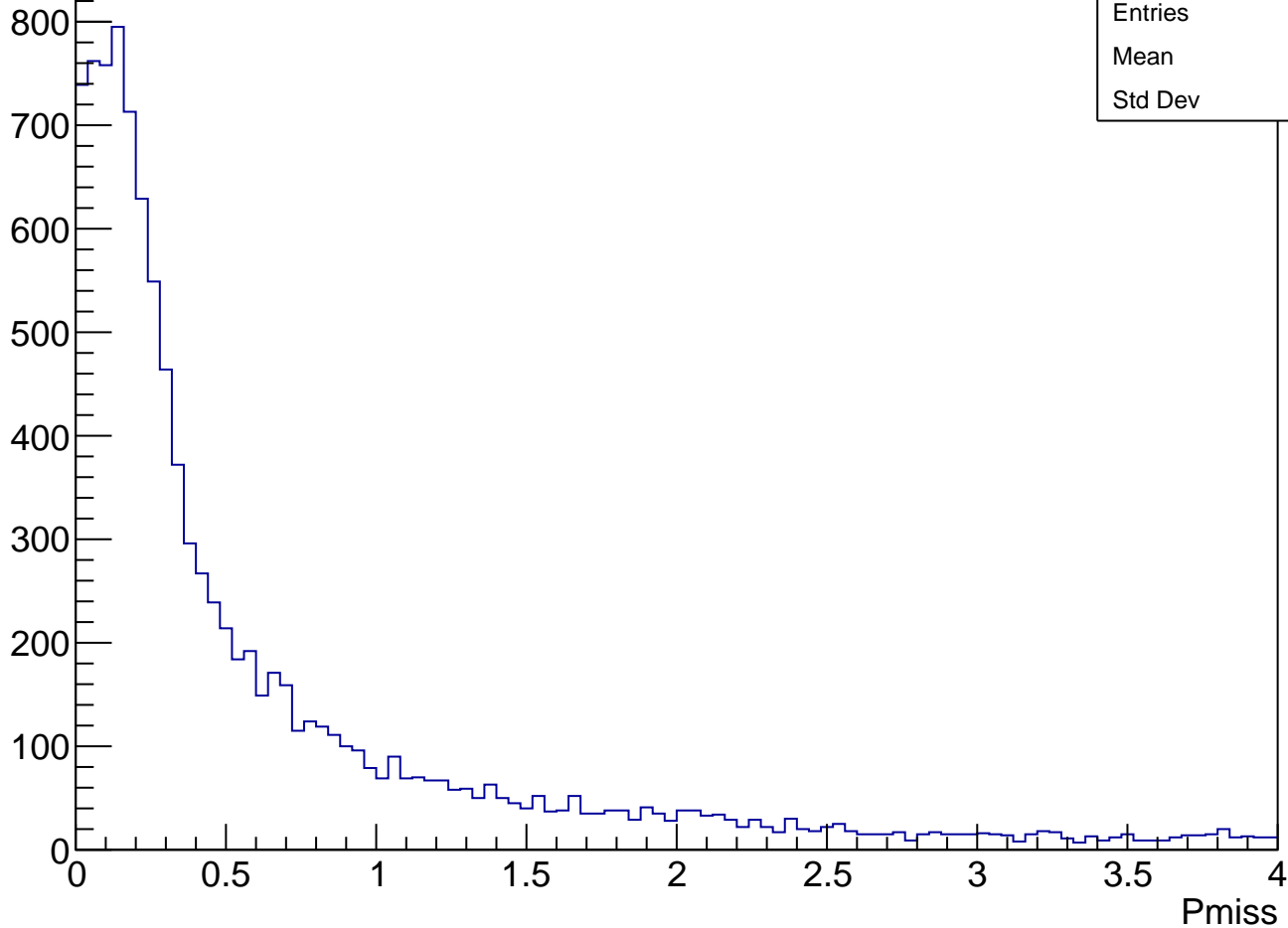
Std Dev 0.2237

# Run 6174: NPS.kin.secondary.pmiss\_z

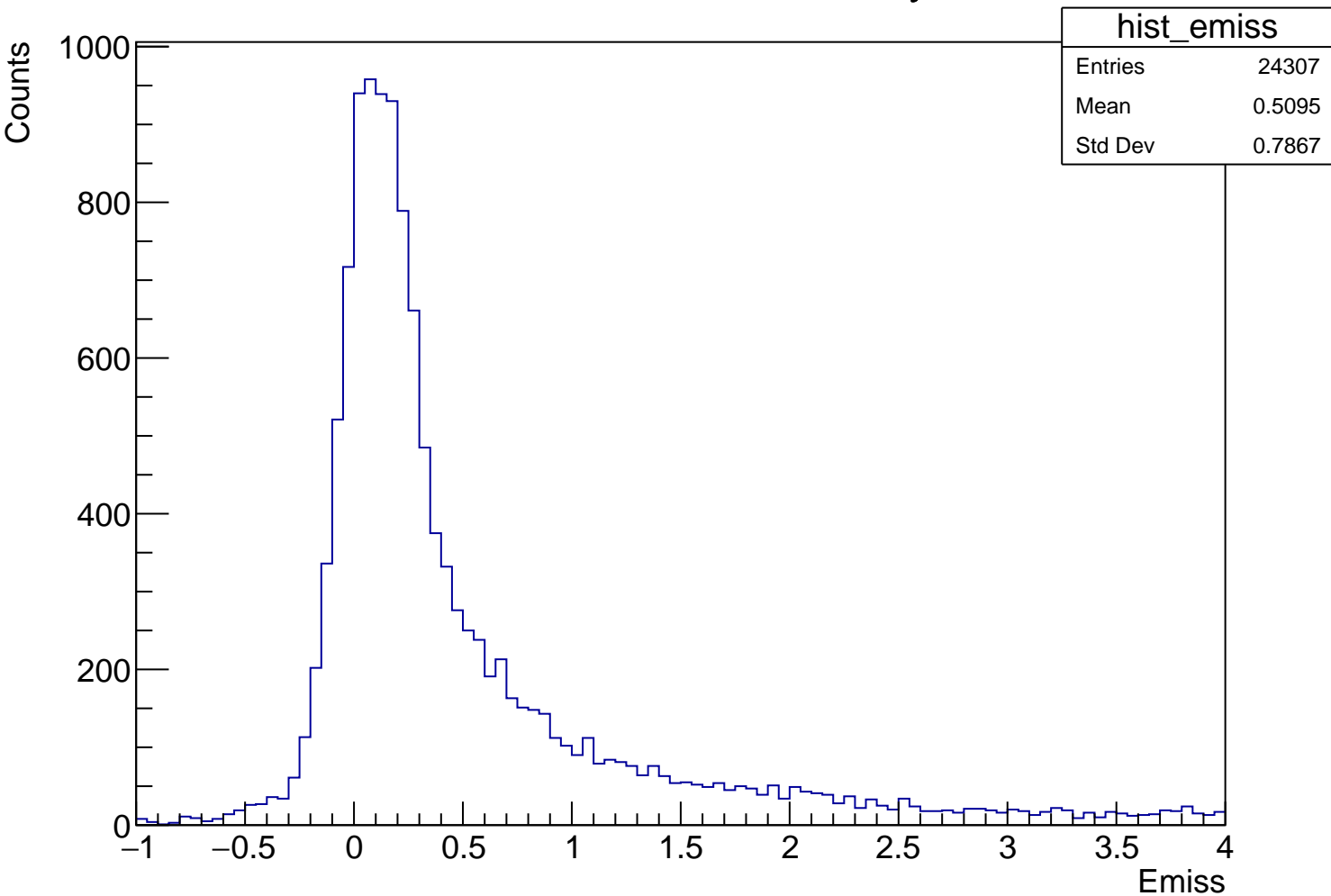


# Run 6174: NPS.kin.secondary.pmiss

Counts

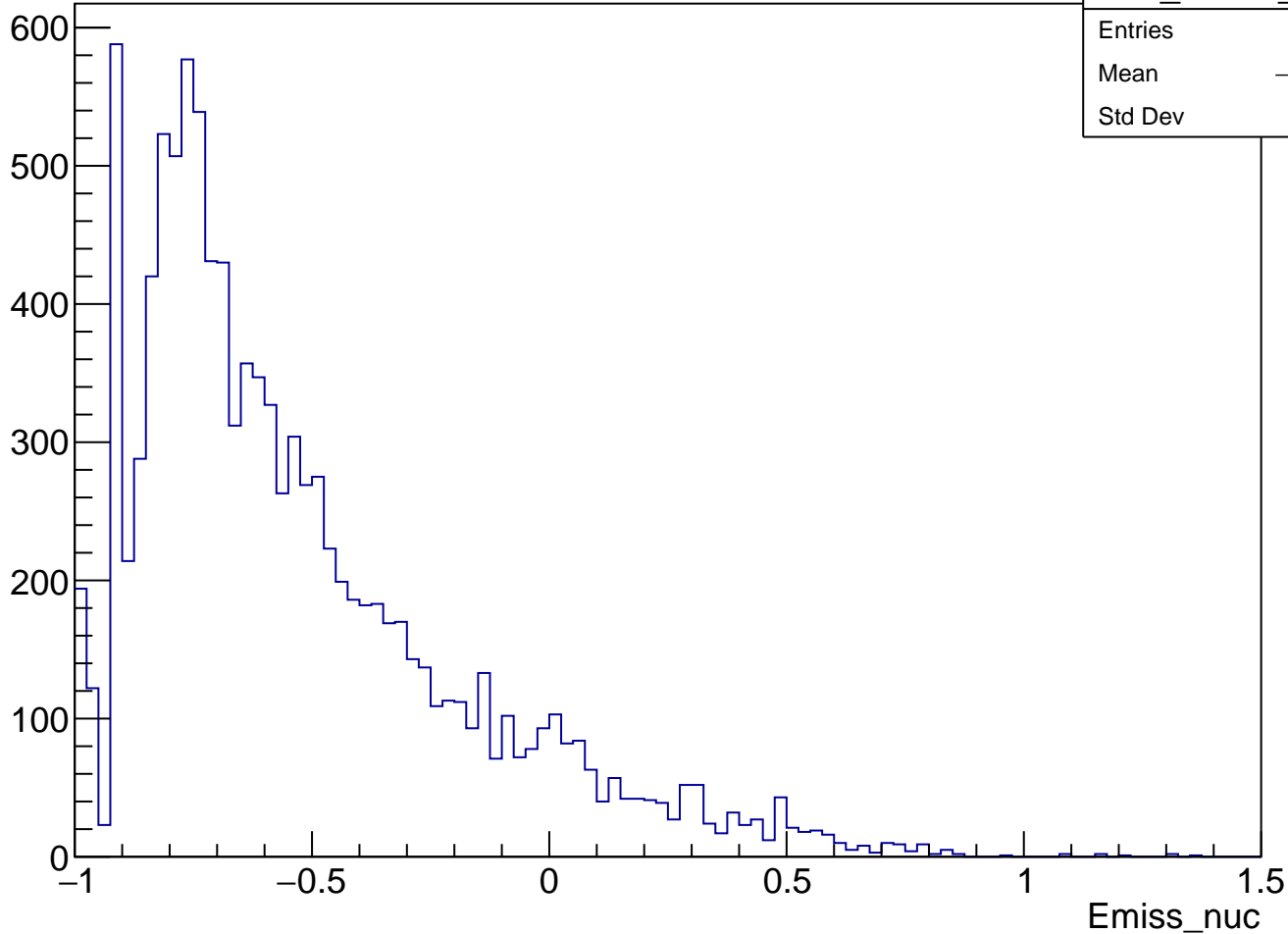


# Run 6174: NPS.kin.secondary.emiss



# Run 6174: NPS.kin.secondary.emiss\_nuc

Counts



hist\_emiss\_nuc

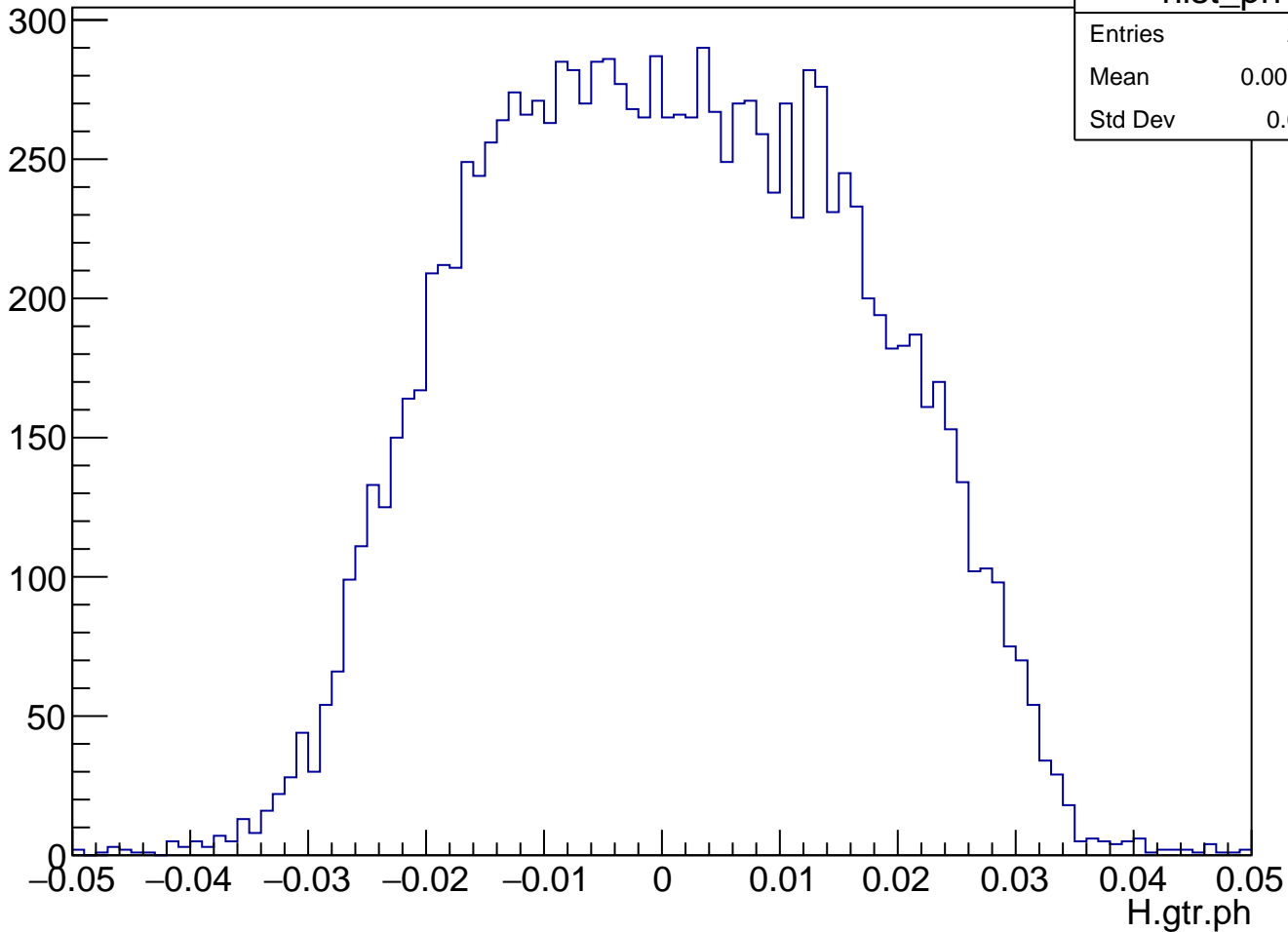
Entries 24307

Mean -0.5299

Std Dev 0.349

# Run 6174: H.gtr.ph

Counts



hist\_ph

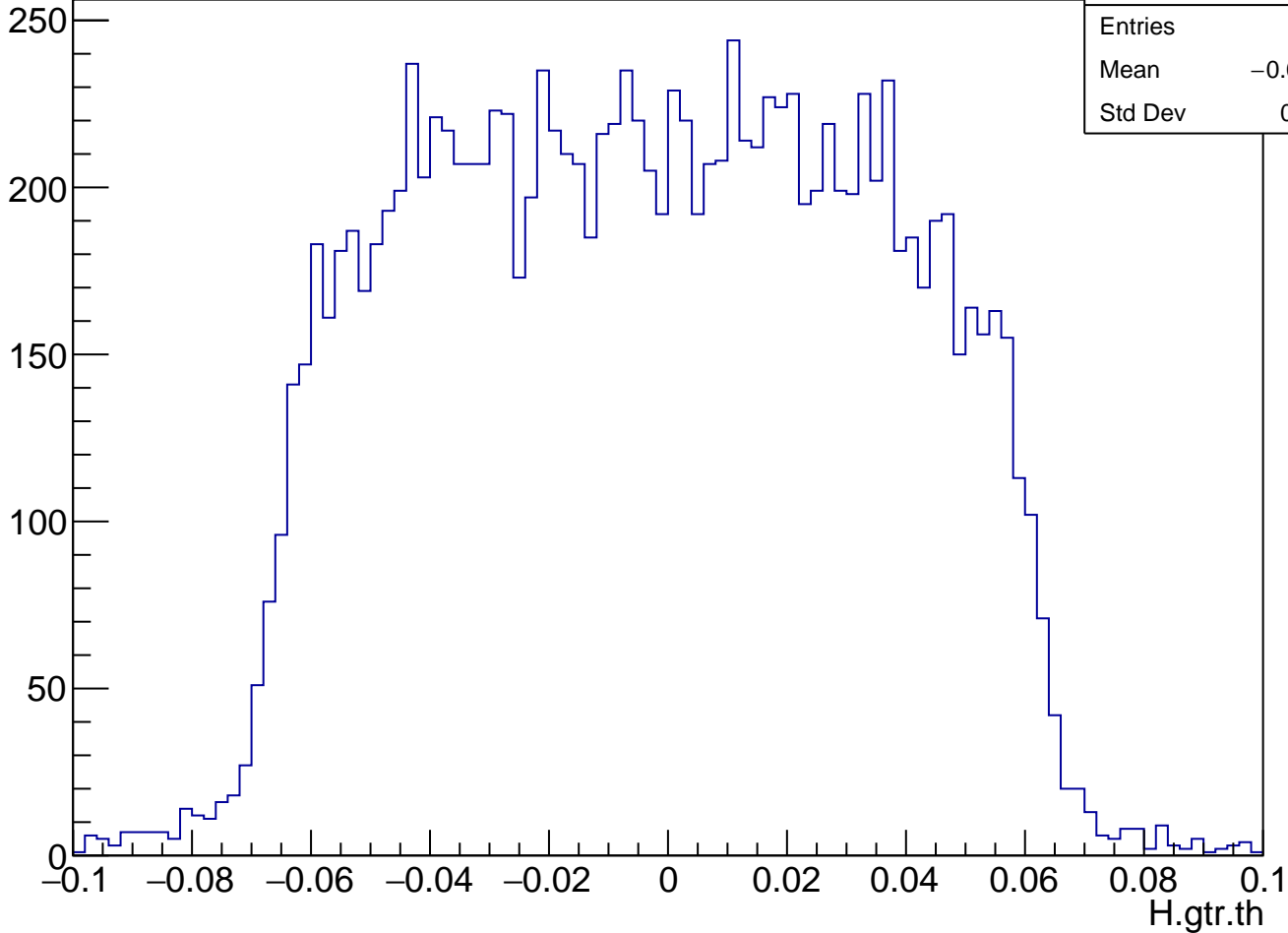
Entries 24307

Mean 0.0005296

Std Dev 0.01558

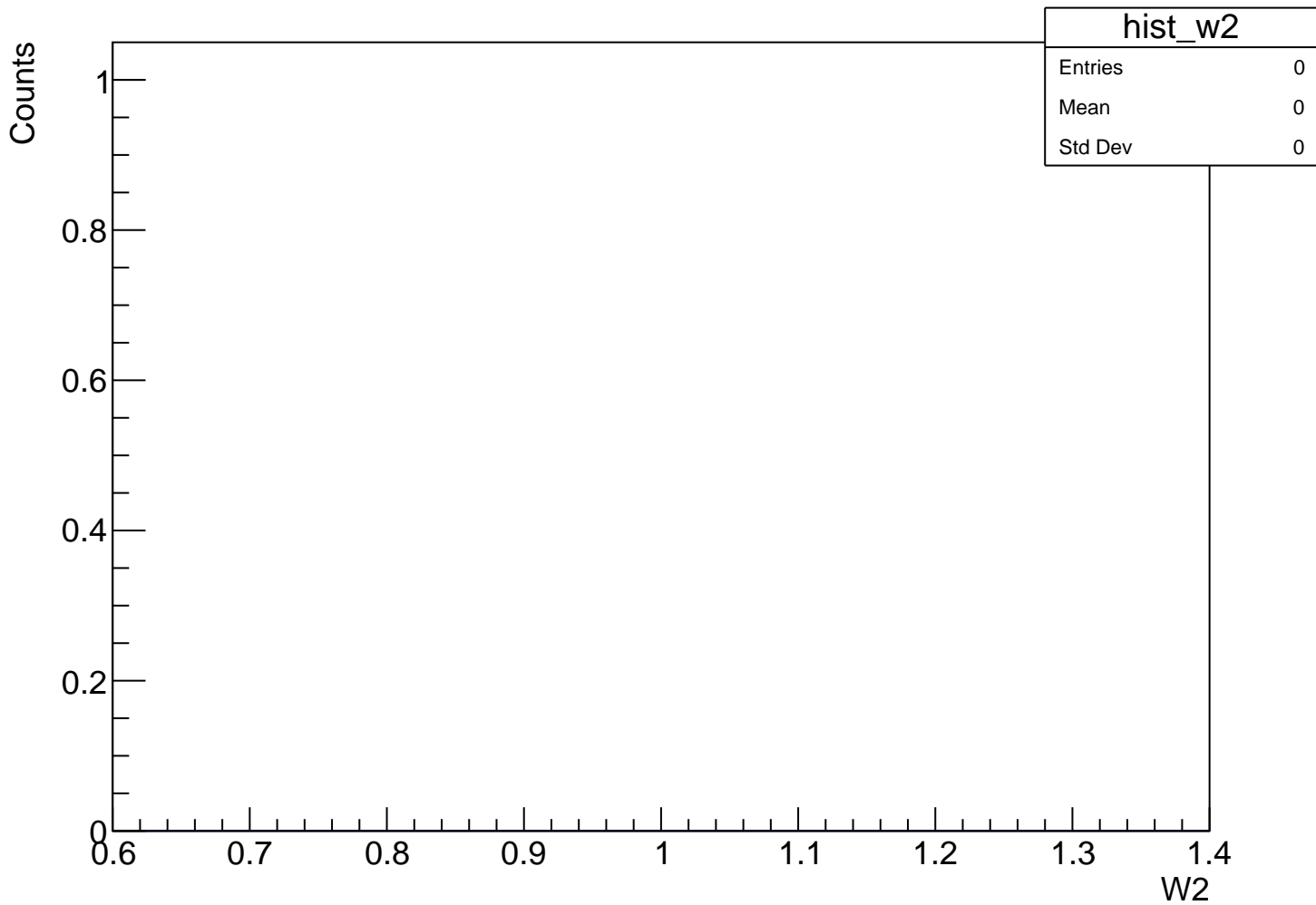
# Run 6174: H.gtr.th

Counts



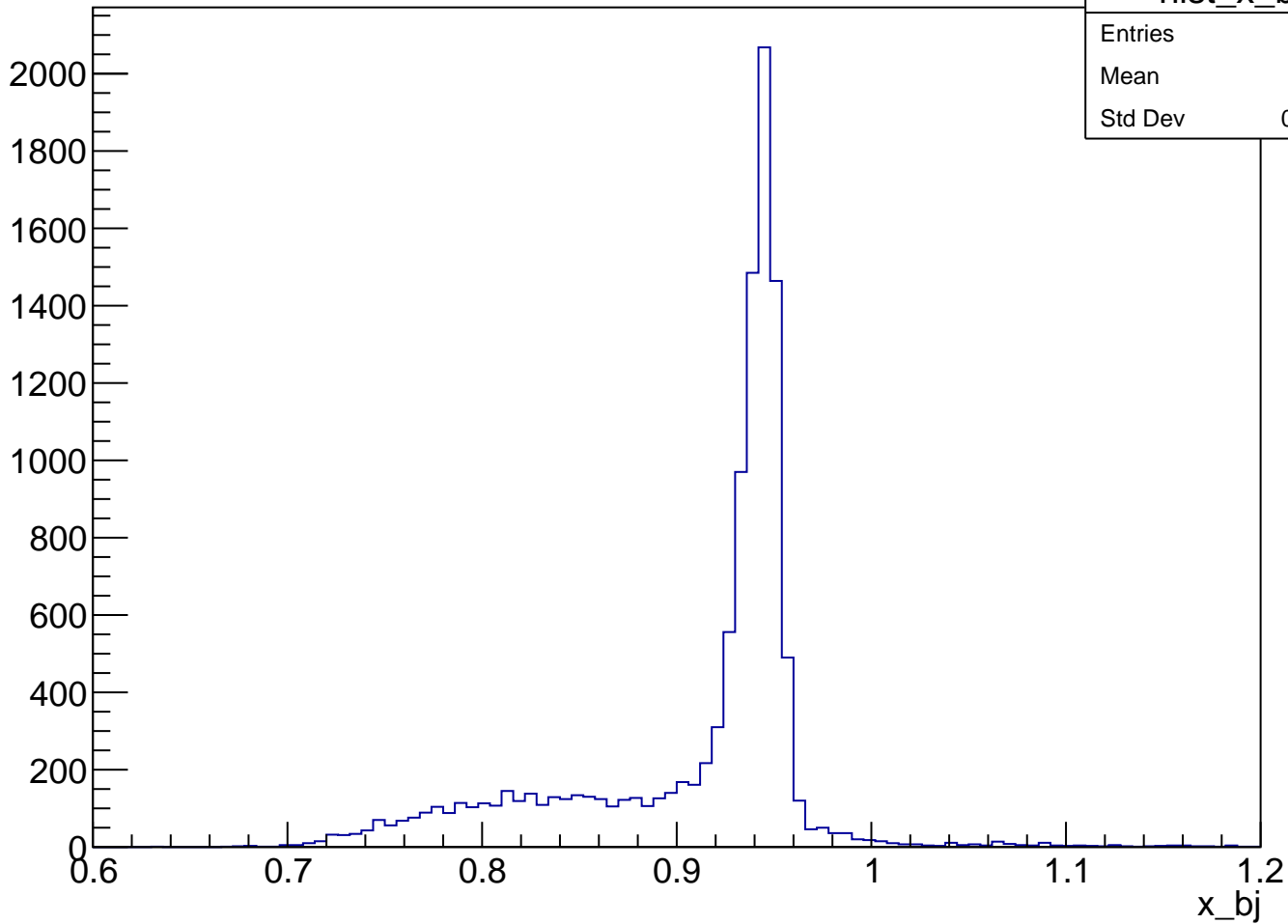


# Run 6175: H.kin.W2



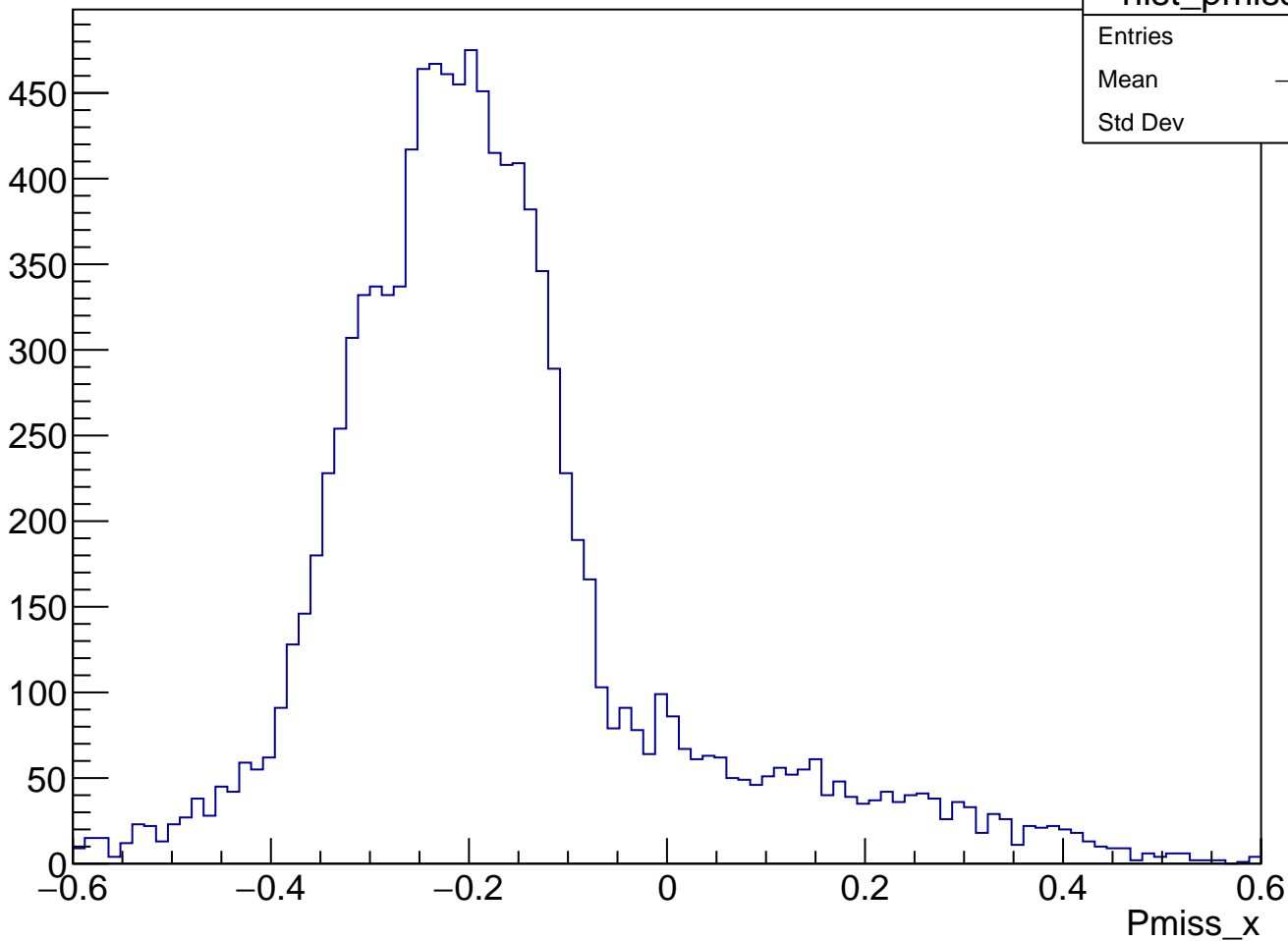
# Run 6175: H.kin.x\_bj

Counts



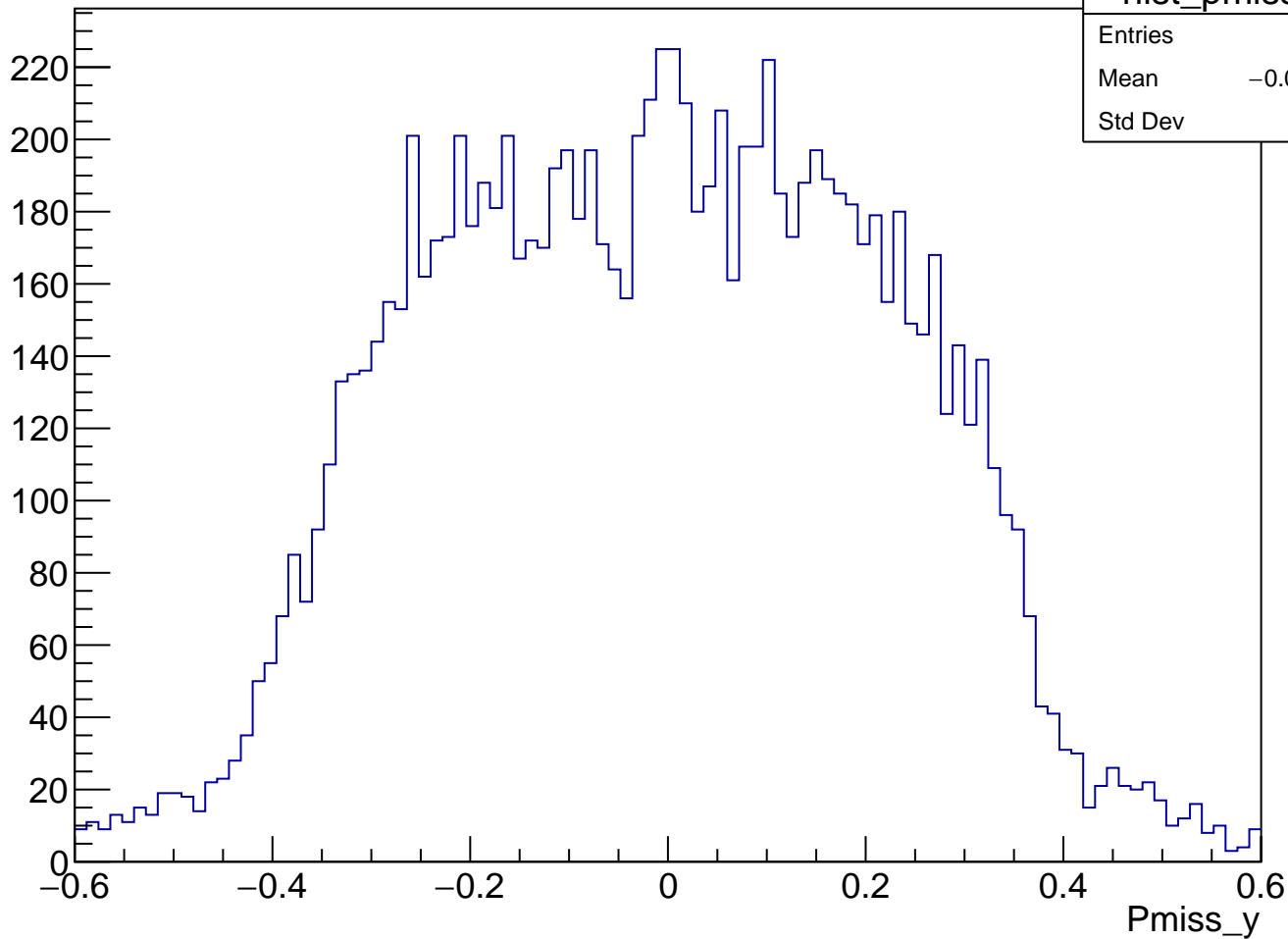
# Run 6175: NPS.kin.secondary.pmiss\_x

Counts



# Run 6175: NPS.kin.secondary.pmiss\_y

Counts



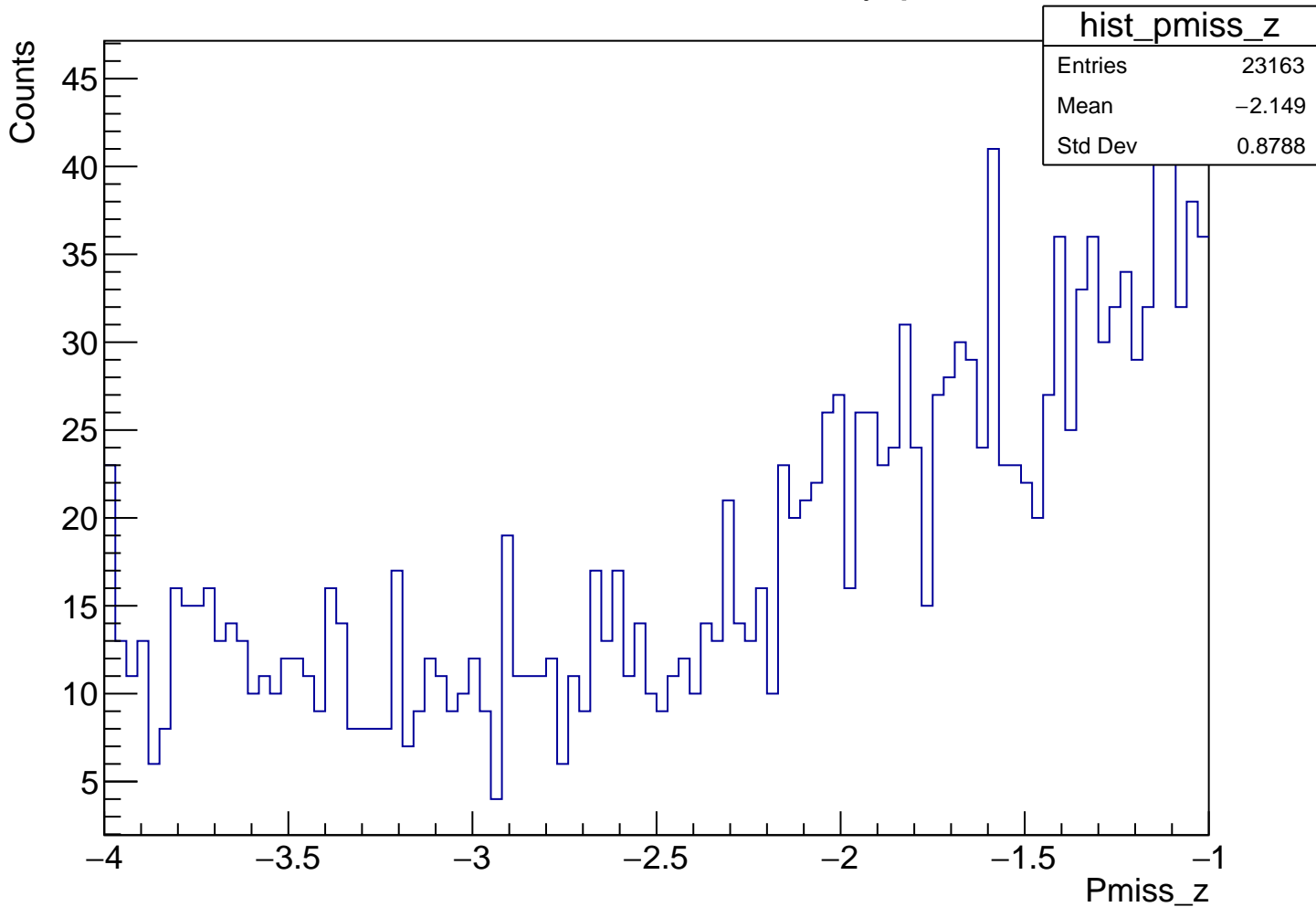
hist\_pmiss\_y

Entries 23163

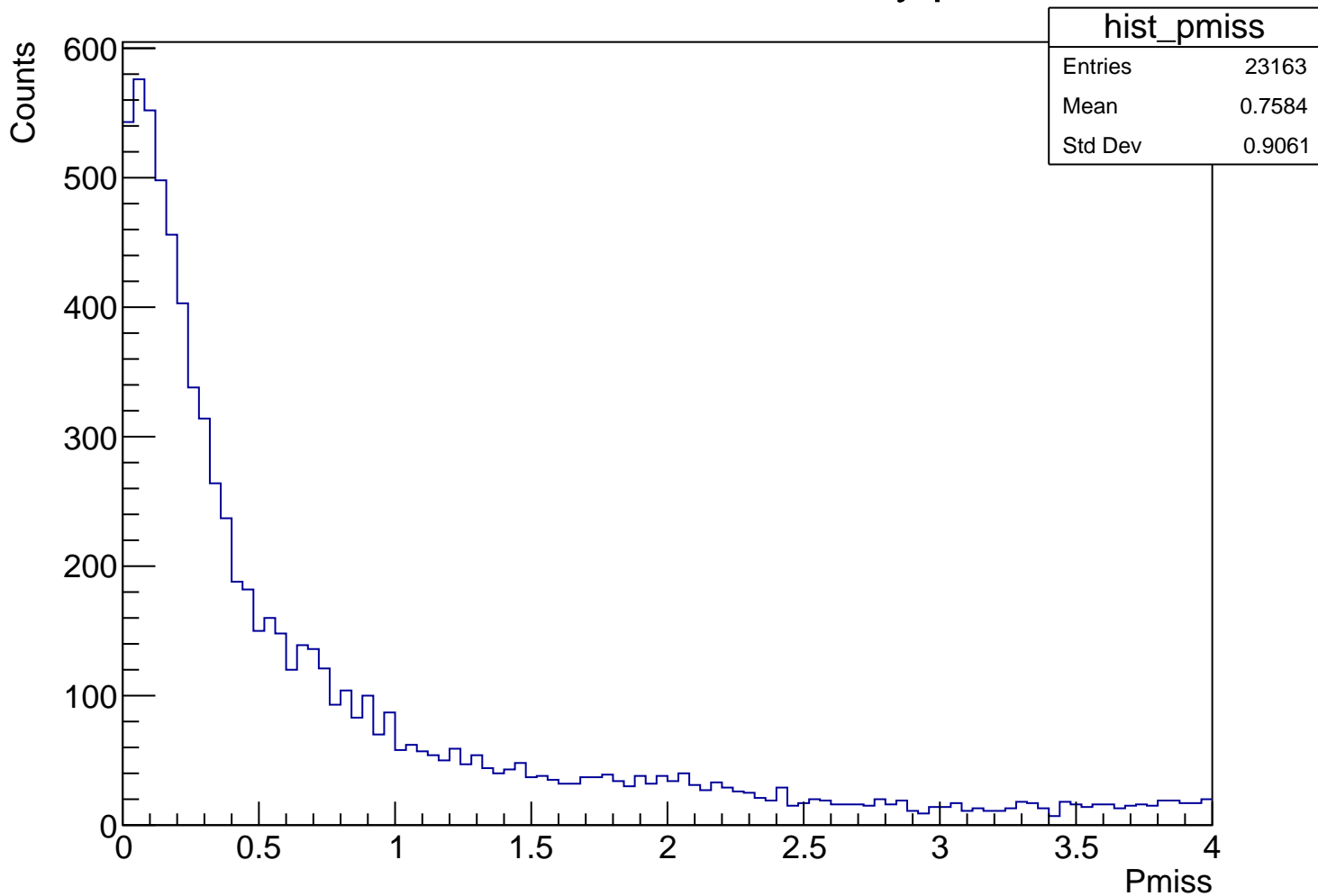
Mean -0.009279

Std Dev 0.226

# Run 6175: NPS.kin.secondary.pmiss\_z

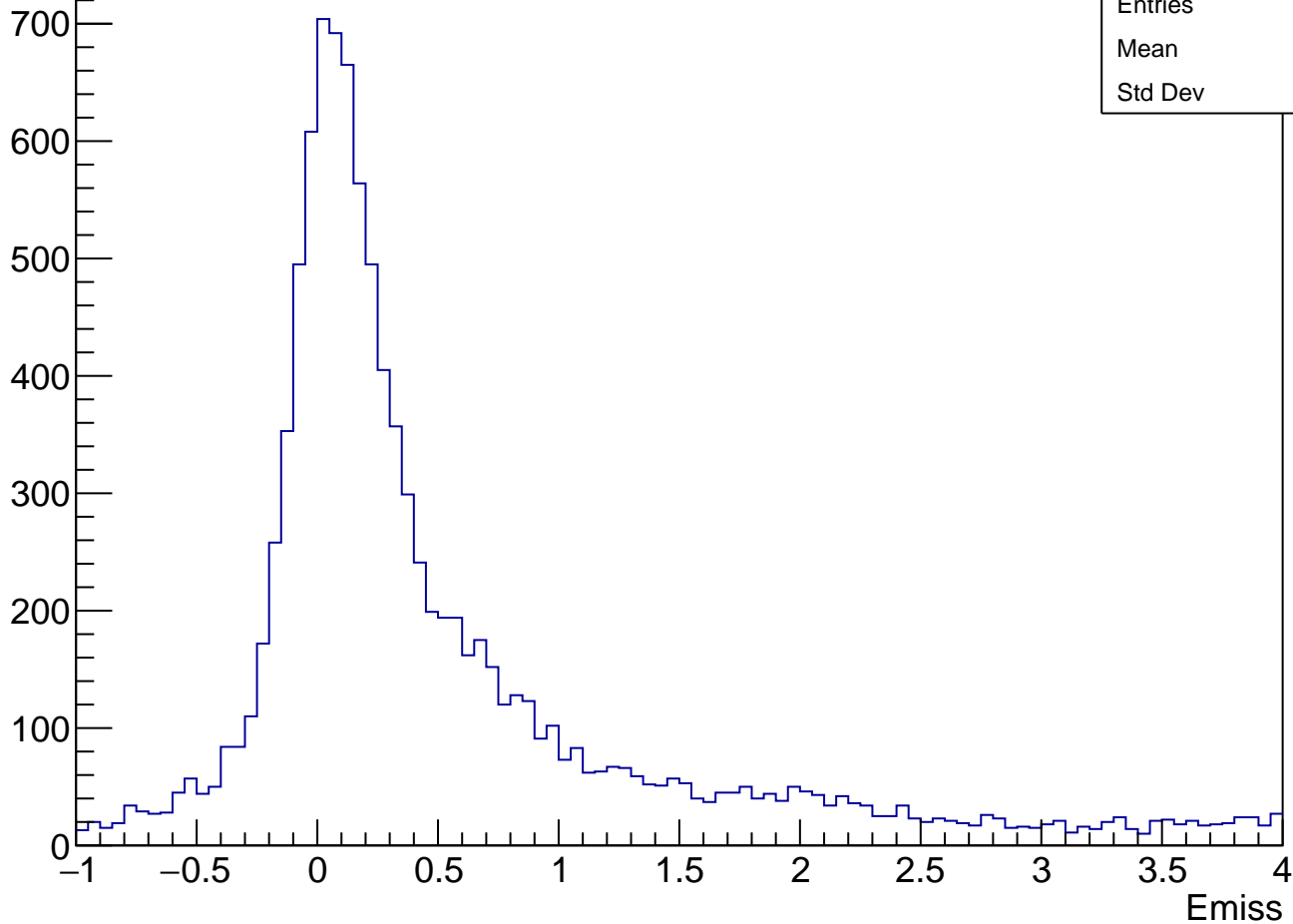


# Run 6175: NPS.kin.secondary.pmiss



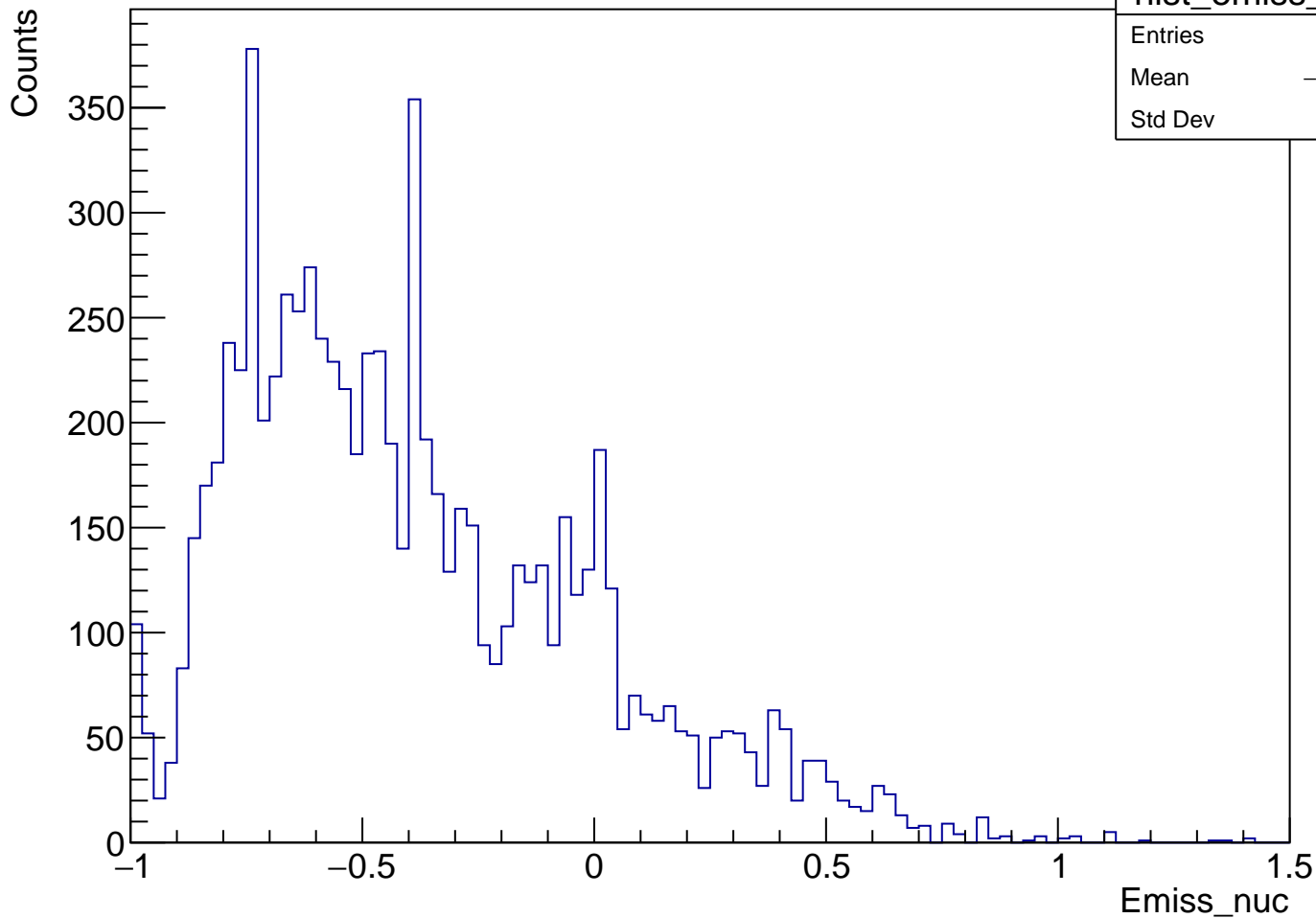
# Run 6175: NPS.kin.secondary.emiss

Counts



# Run 6175: NPS.kin.secondary.emiss\_nuc

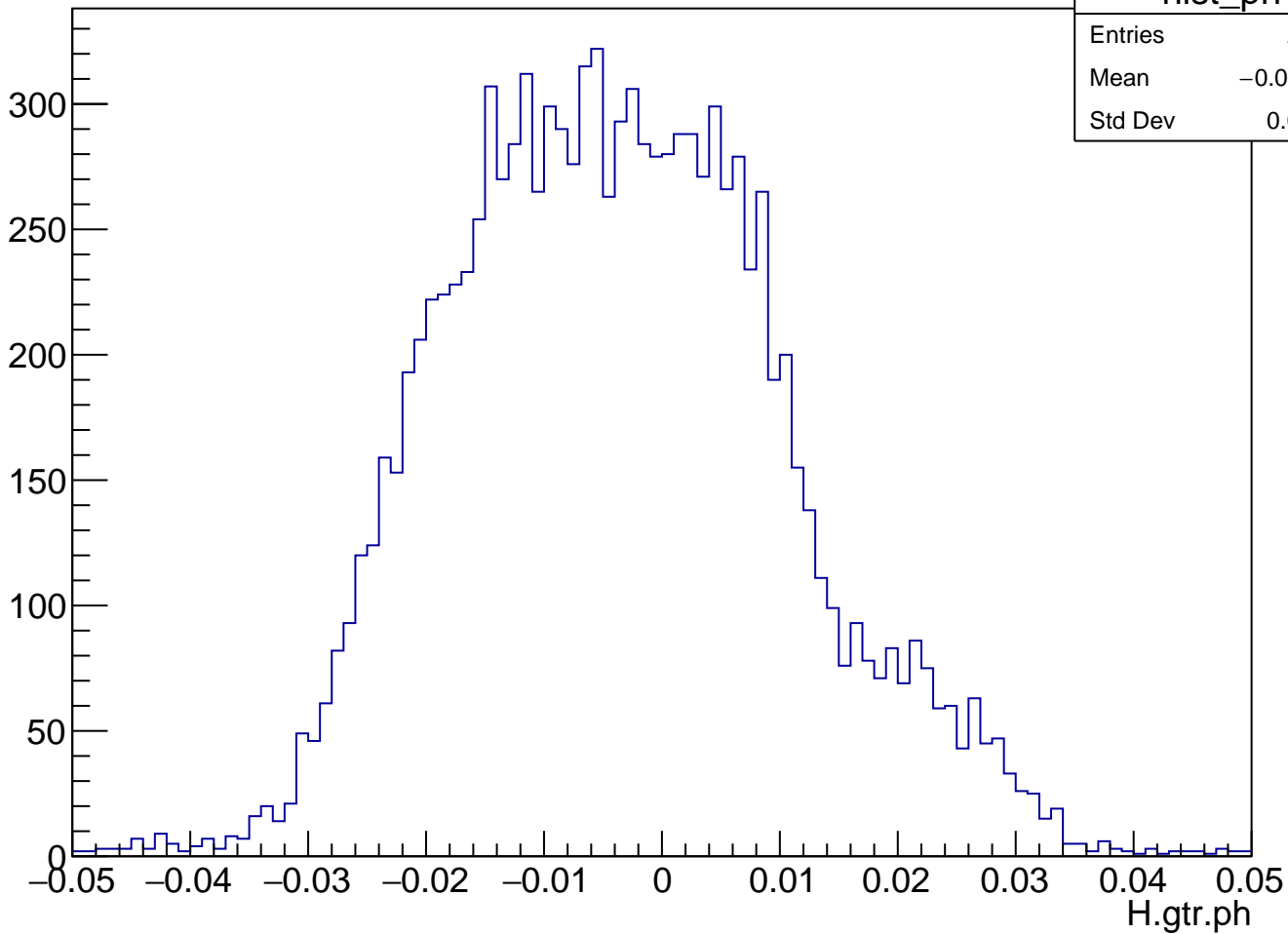
hist_emiss_nuc	
Entries	23163
Mean	-0.3805
Std Dev	0.3806





# Run 6175: H.gtr.ph

Counts



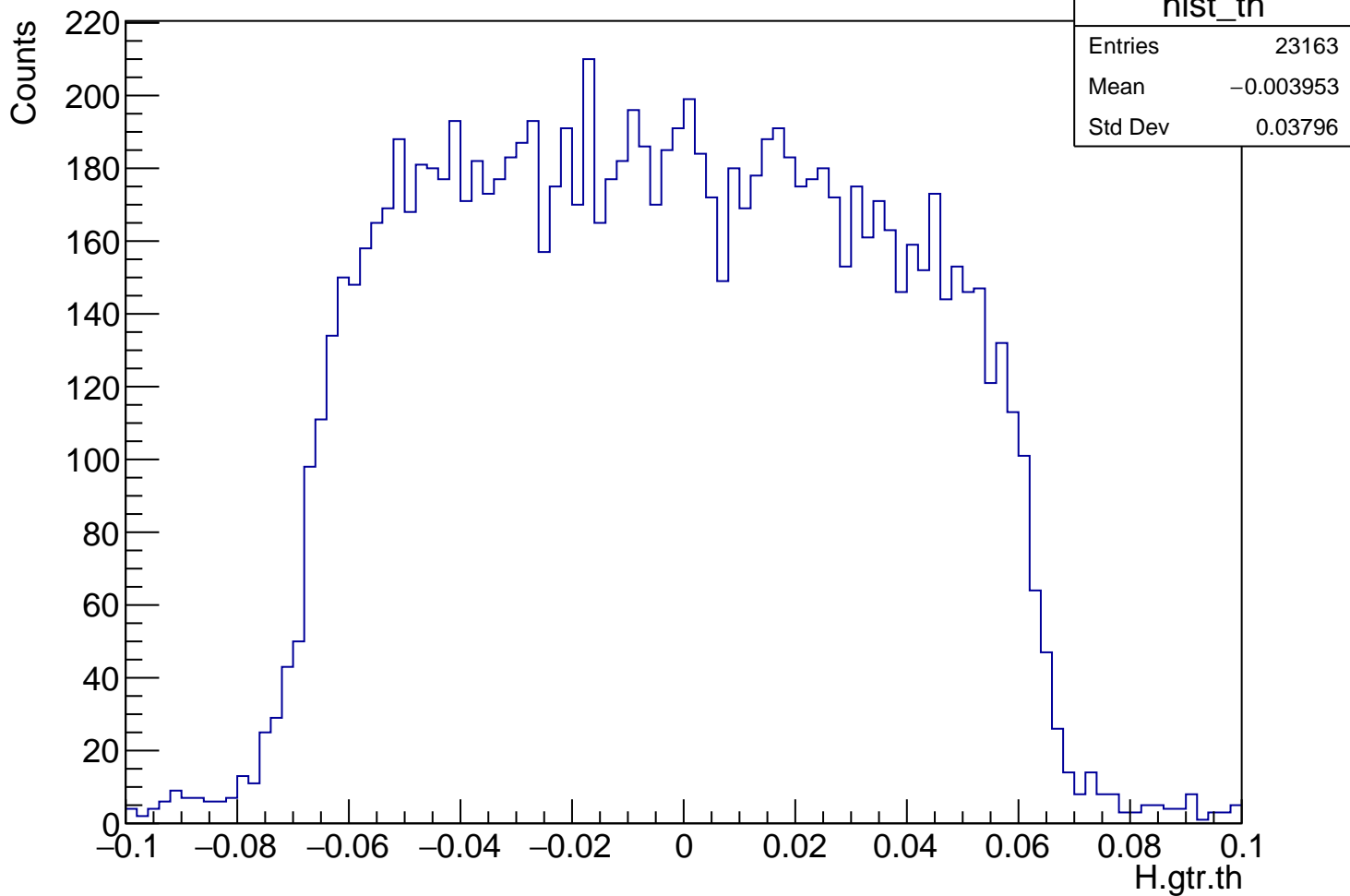
hist\_ph

Entries 23163

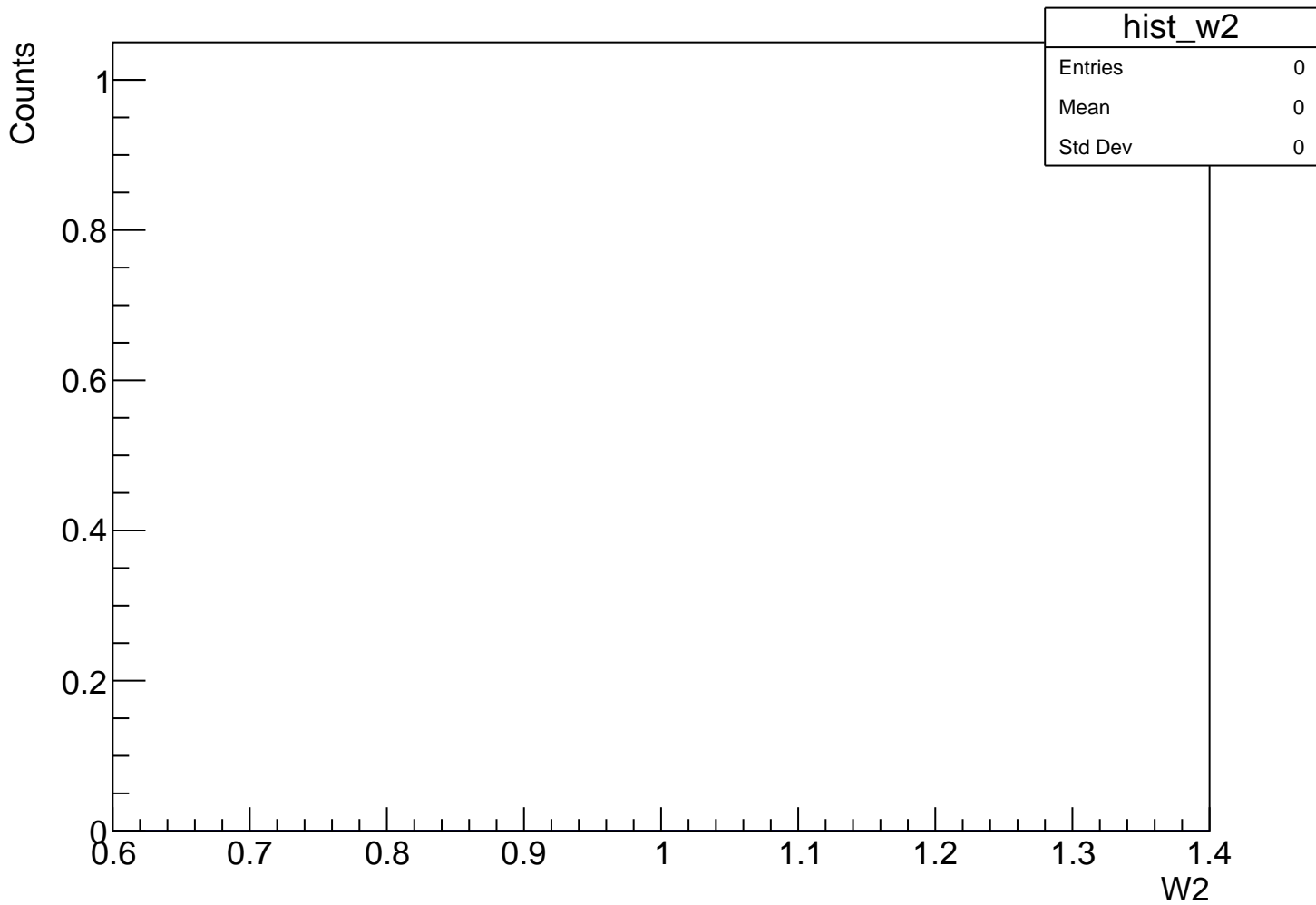
Mean -0.003706

Std Dev 0.01415

# Run 6175: H.gtr.th

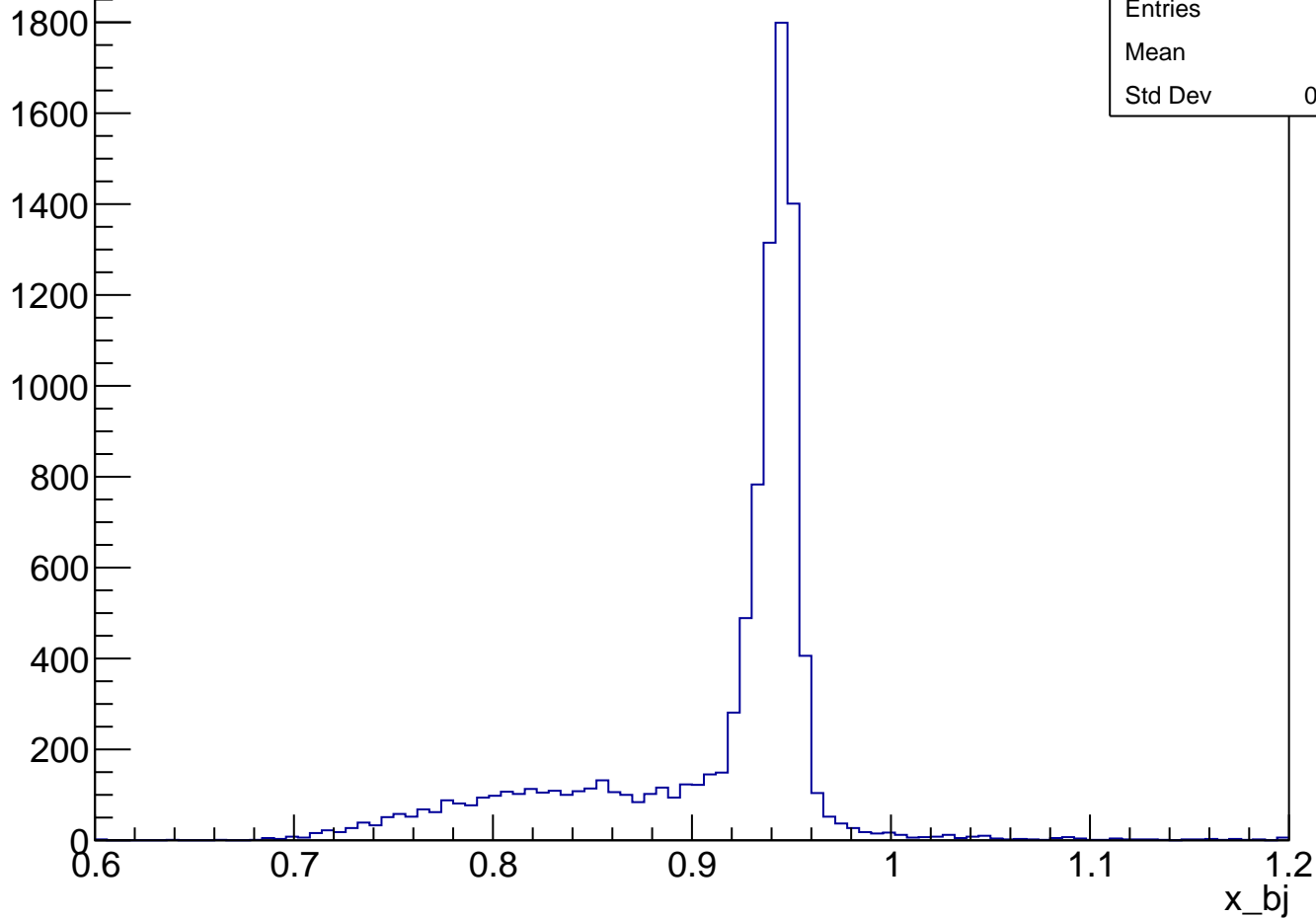


# Run 6176: H.kin.W2



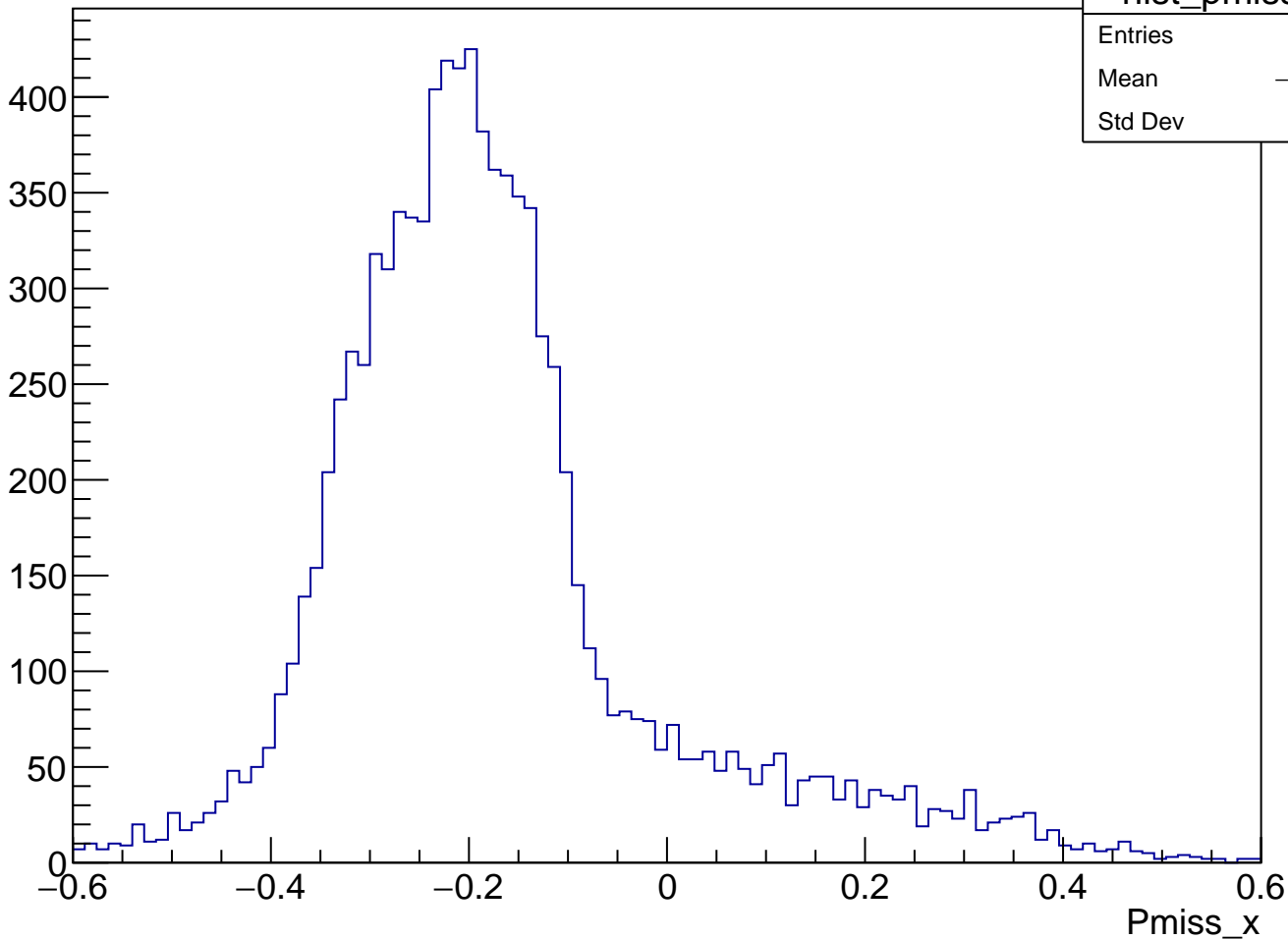
# Run 6176: H.kin.x\_bj

Counts



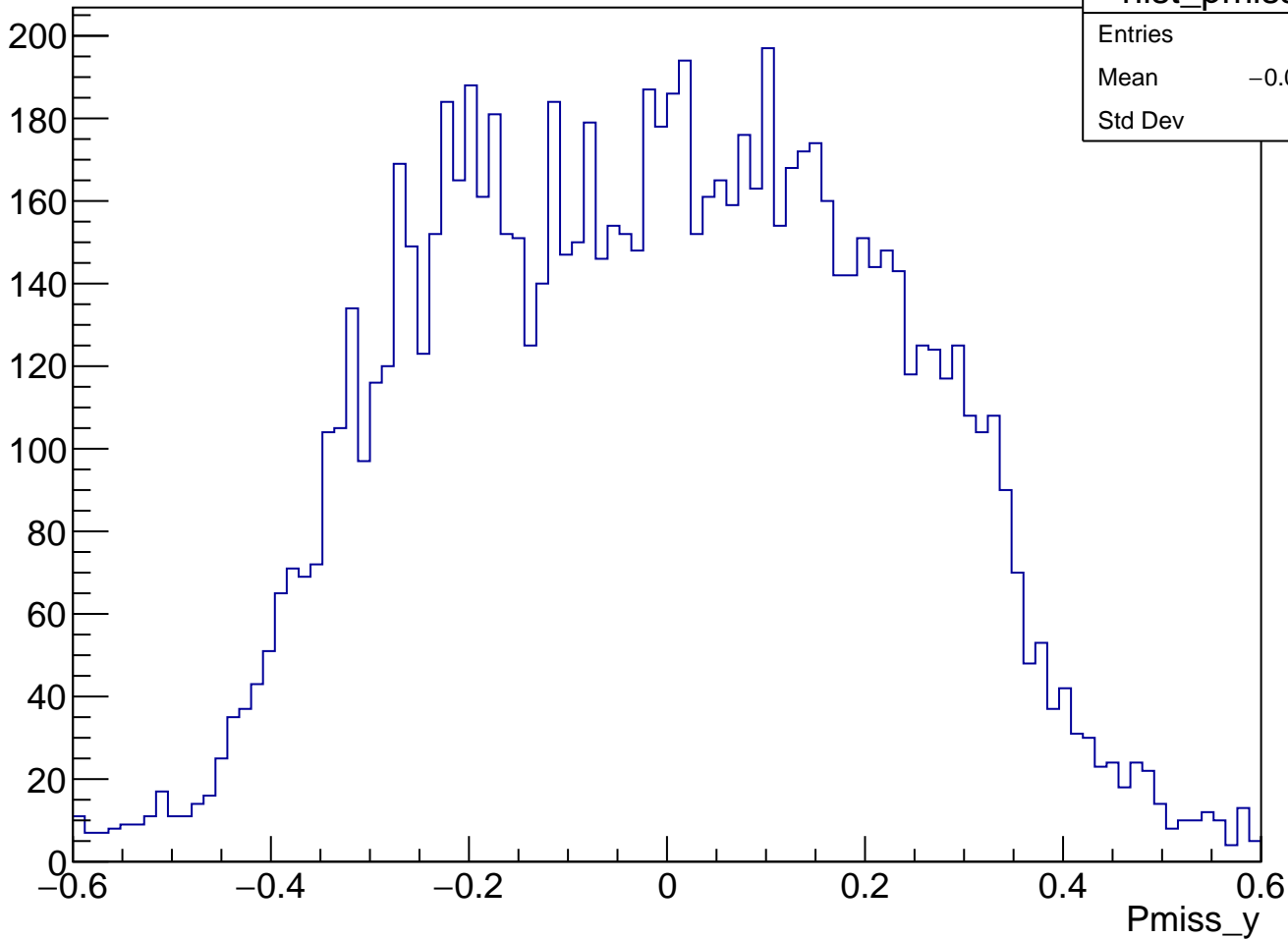
# Run 6176: NPS.kin.secondary.pmiss\_x

Counts

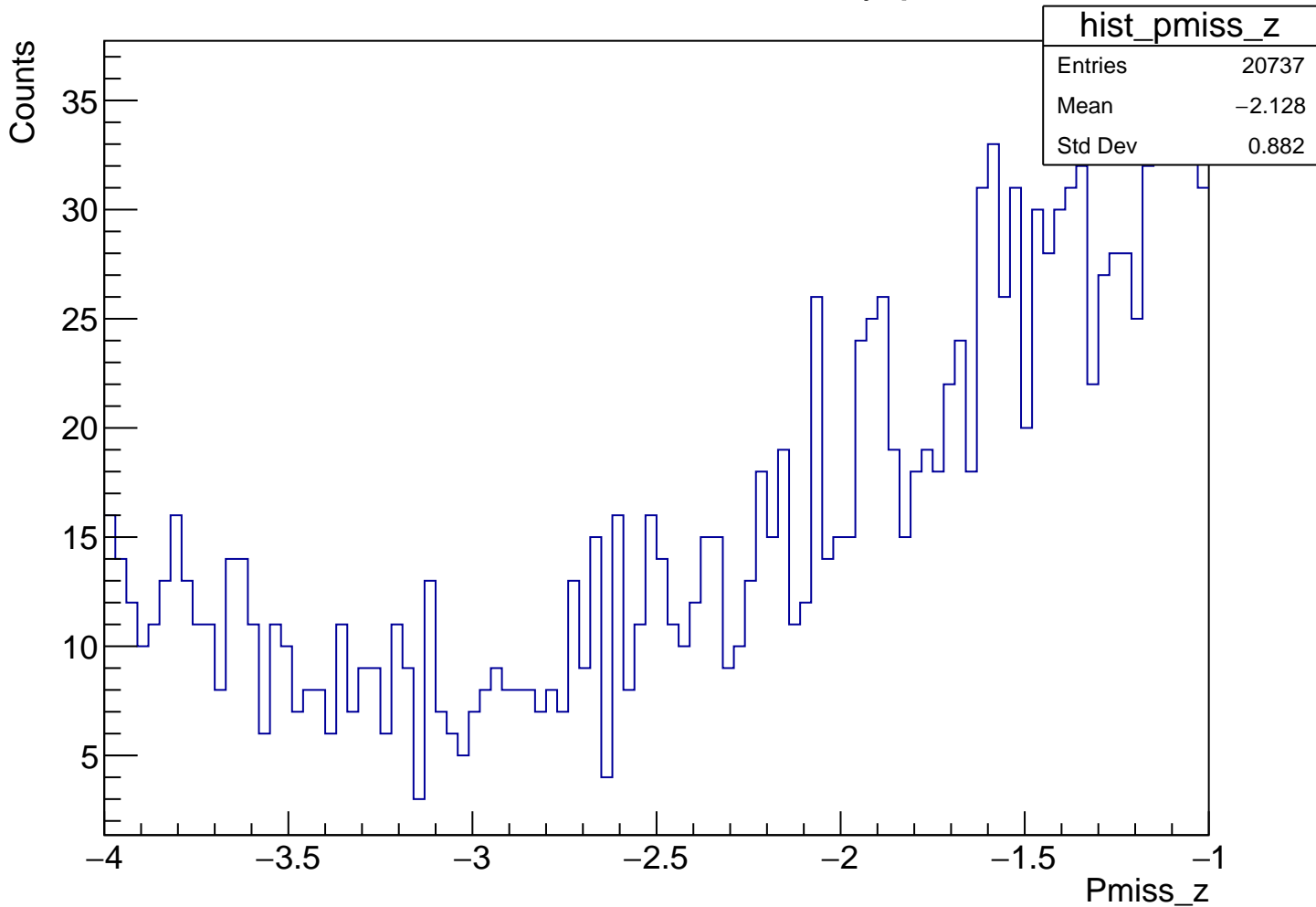


# Run 6176: NPS.kin.secondary.pmiss\_y

Counts



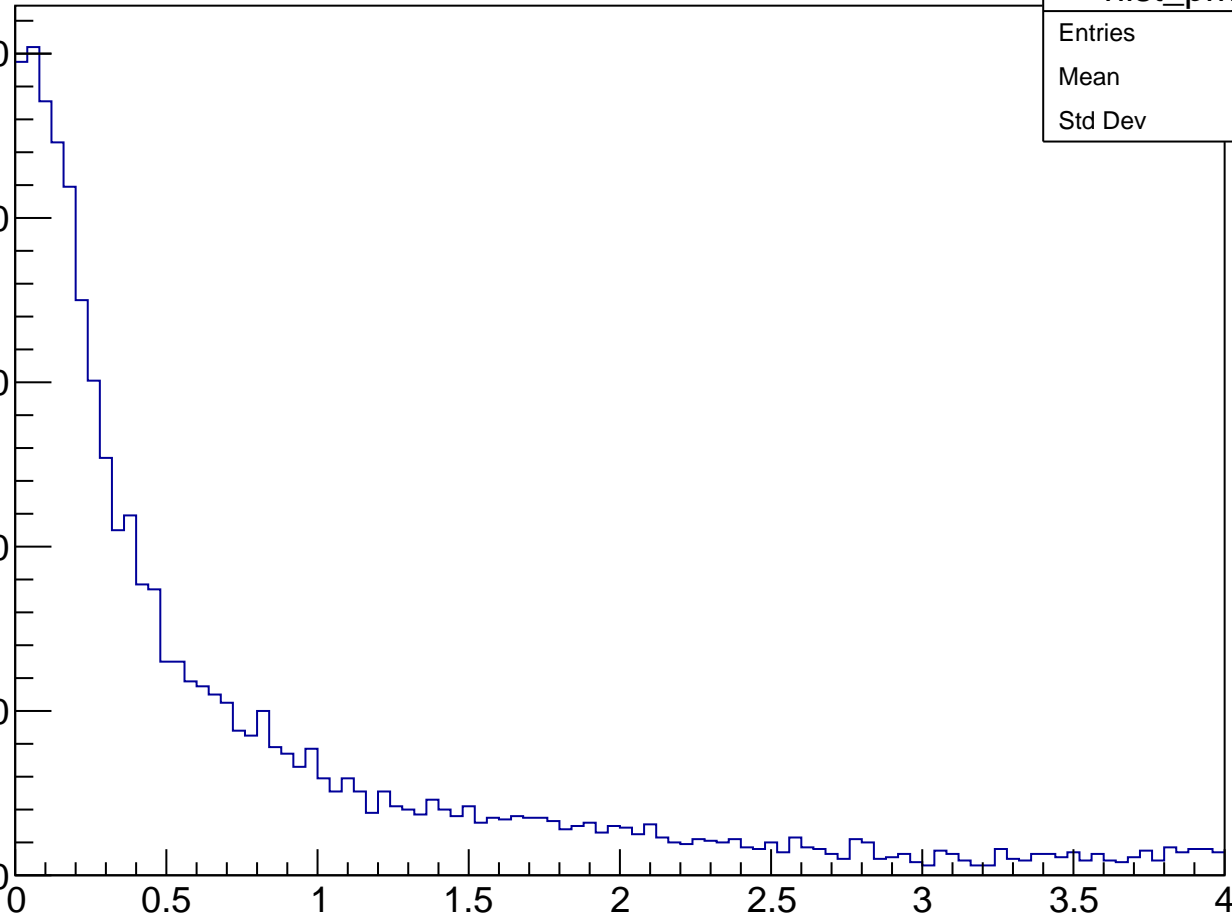
# Run 6176: NPS.kin.secondary.pmiss\_z



# Run 6176: NPS.kin.secondary.pmiss

Counts

500  
400  
300  
200  
100  
0



hist\_pmiss

Entries	20737
Mean	0.7451
Std Dev	0.8878

Pmiss



# Run 6176: NPS.kin.secondary.emiss

Counts

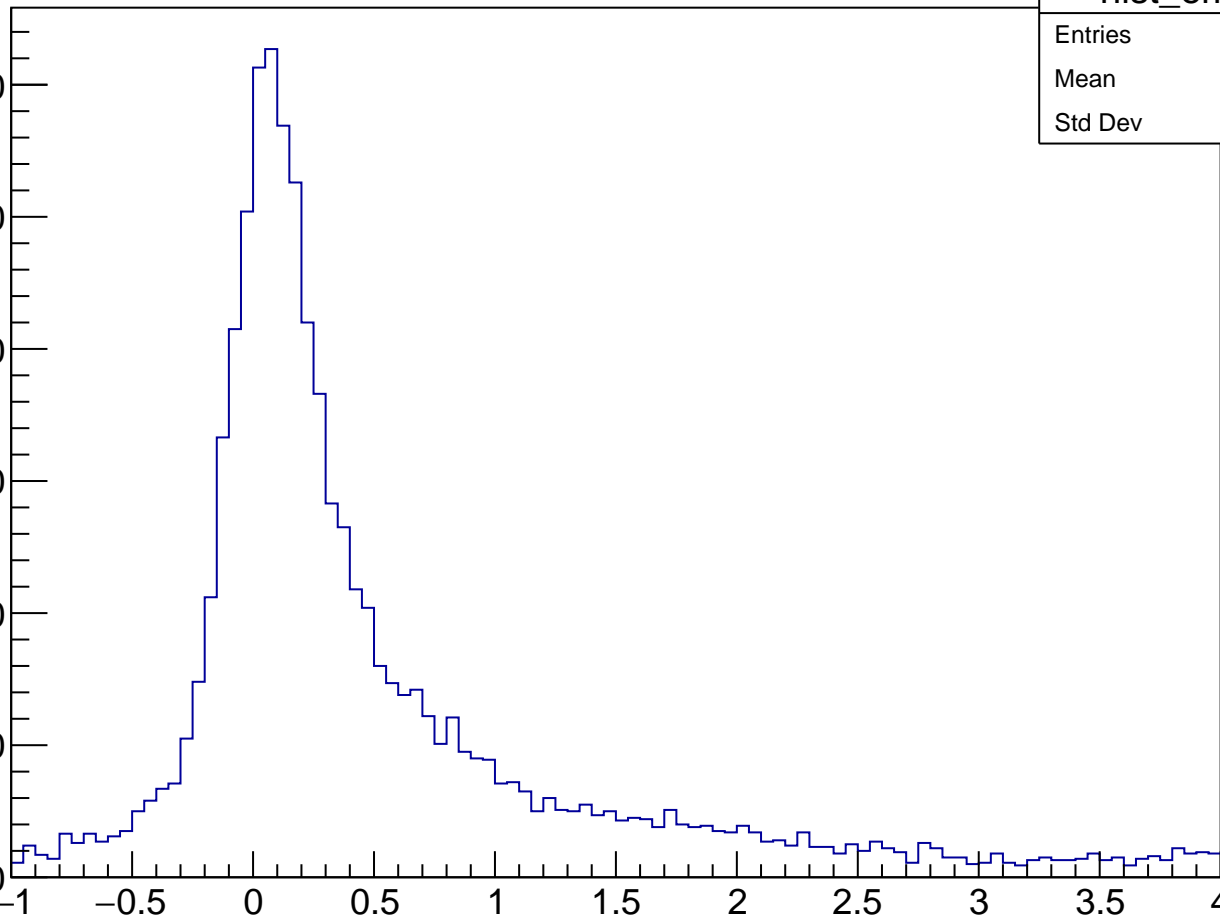
600  
500  
400  
300  
200  
100  
0

-1 -0.5 0 0.5 1 1.5 2 2.5 3 3.5 4

Emiss

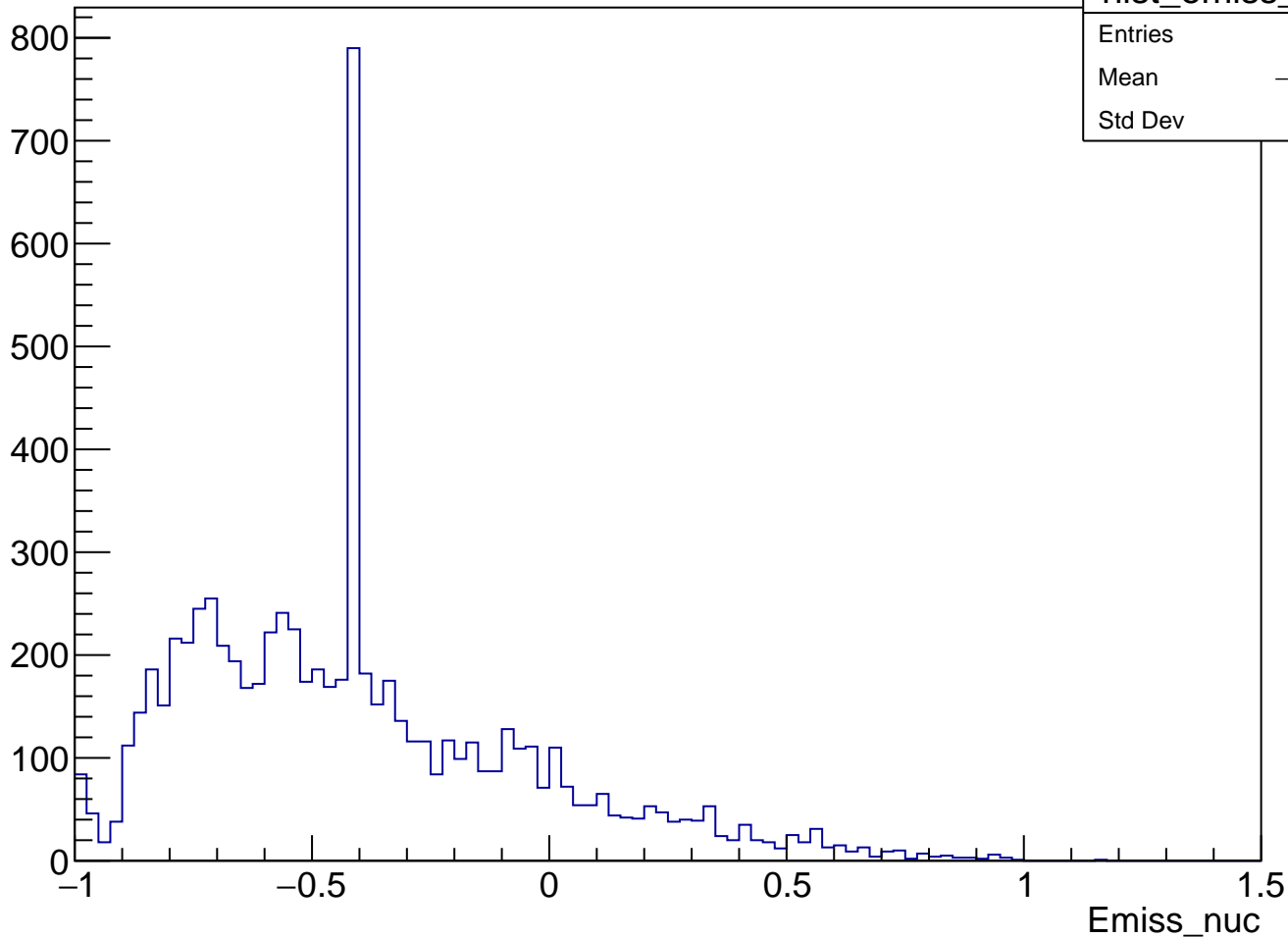
hist\_emiss

Entries	20737
Mean	0.517
Std Dev	0.8809



# Run 6176: NPS.kin.secondary.emiss\_nuc

Counts



hist\_emiss\_nuc

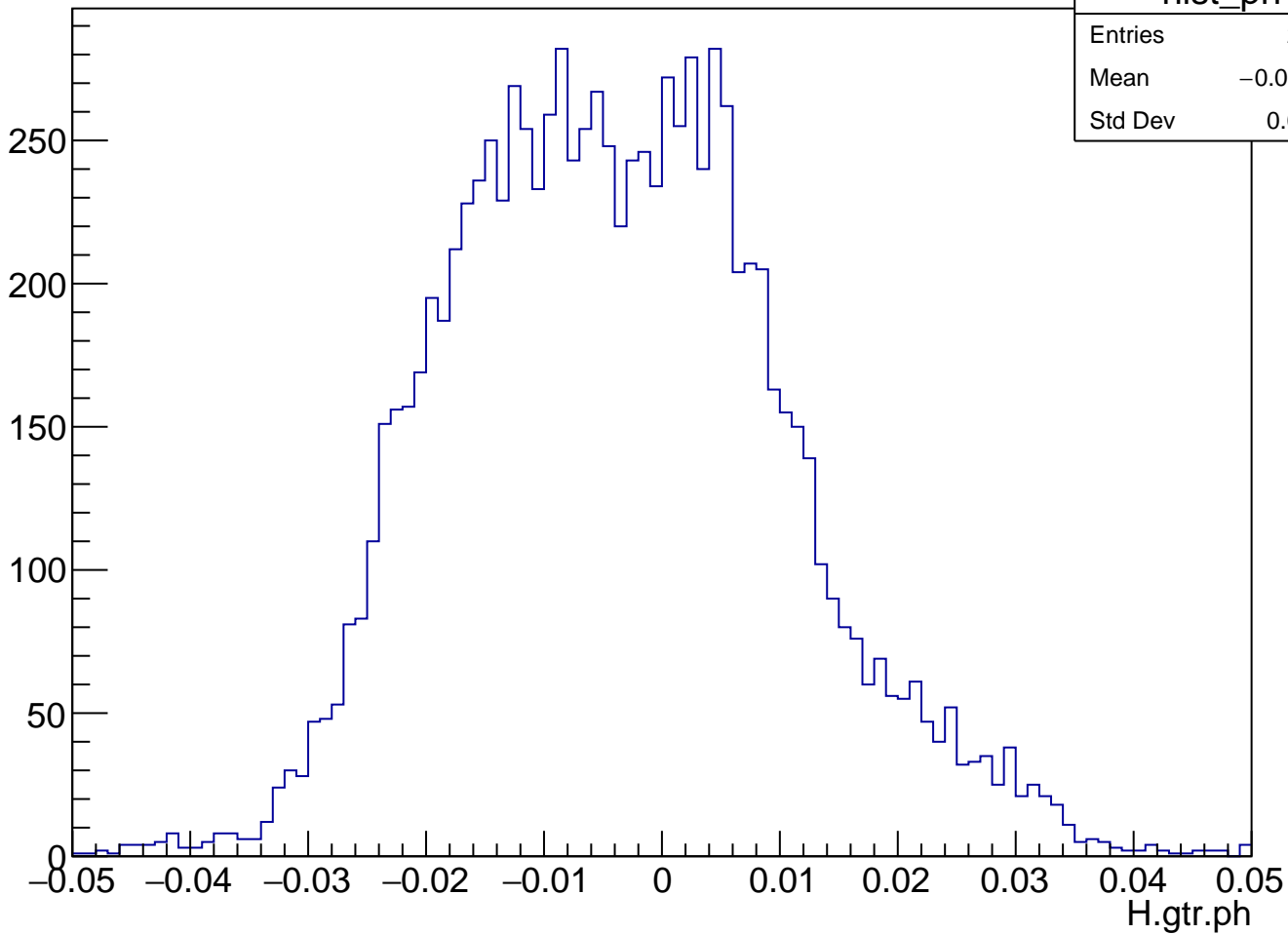
Entries 20737

Mean -0.4018

Std Dev 0.3594

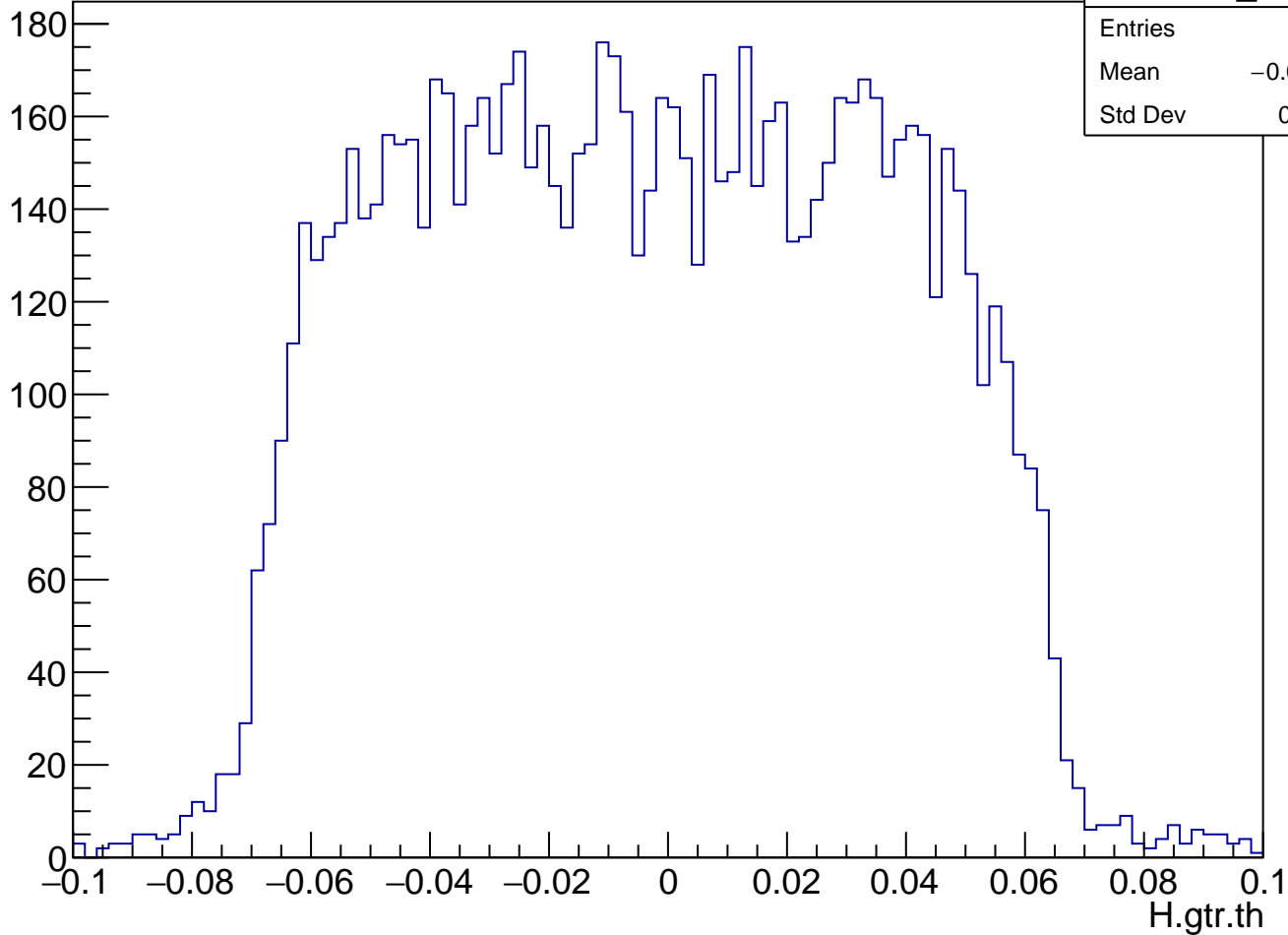
# Run 6176: H.gtr.ph

Counts

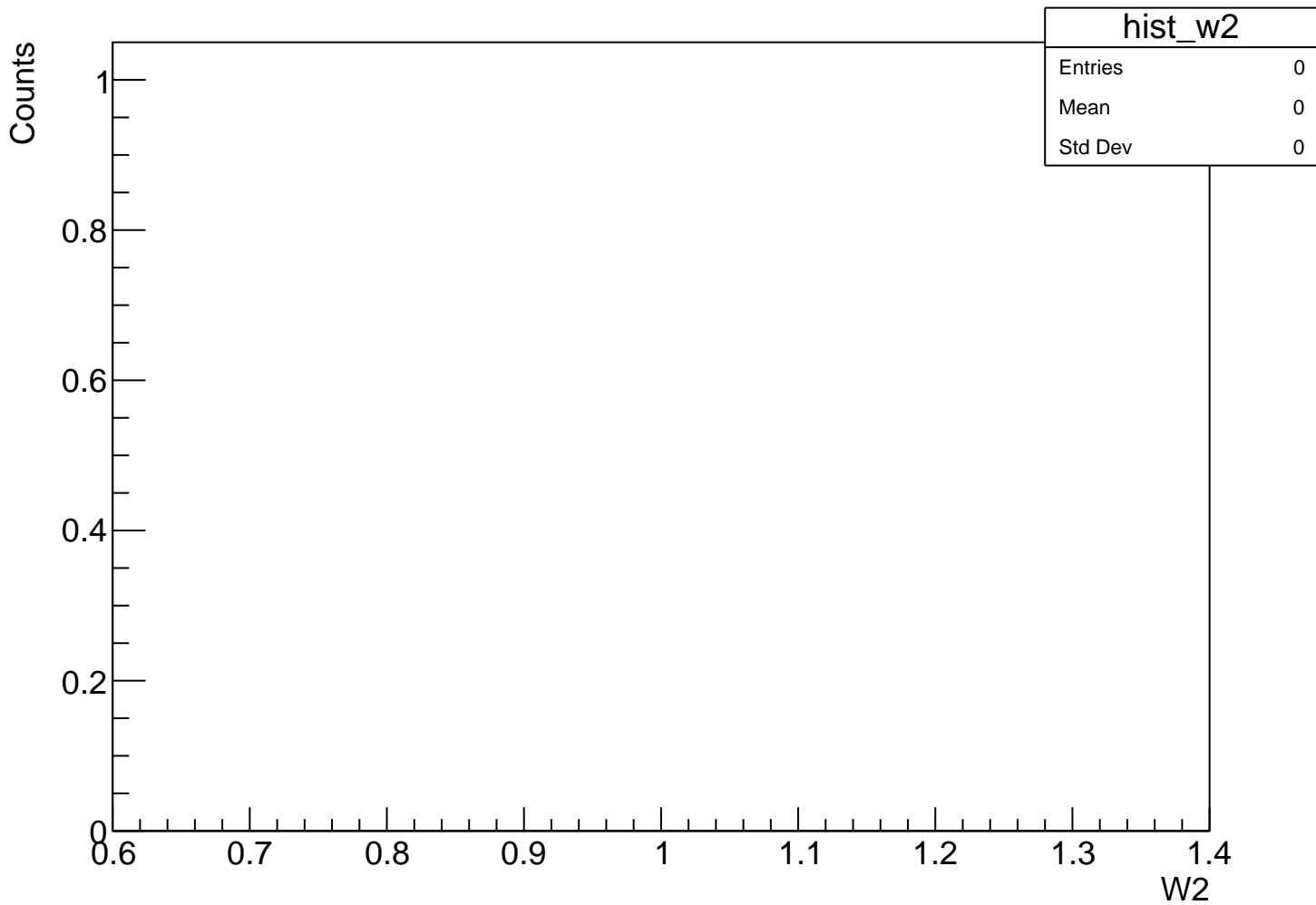


# Run 6176: H.gtr.th

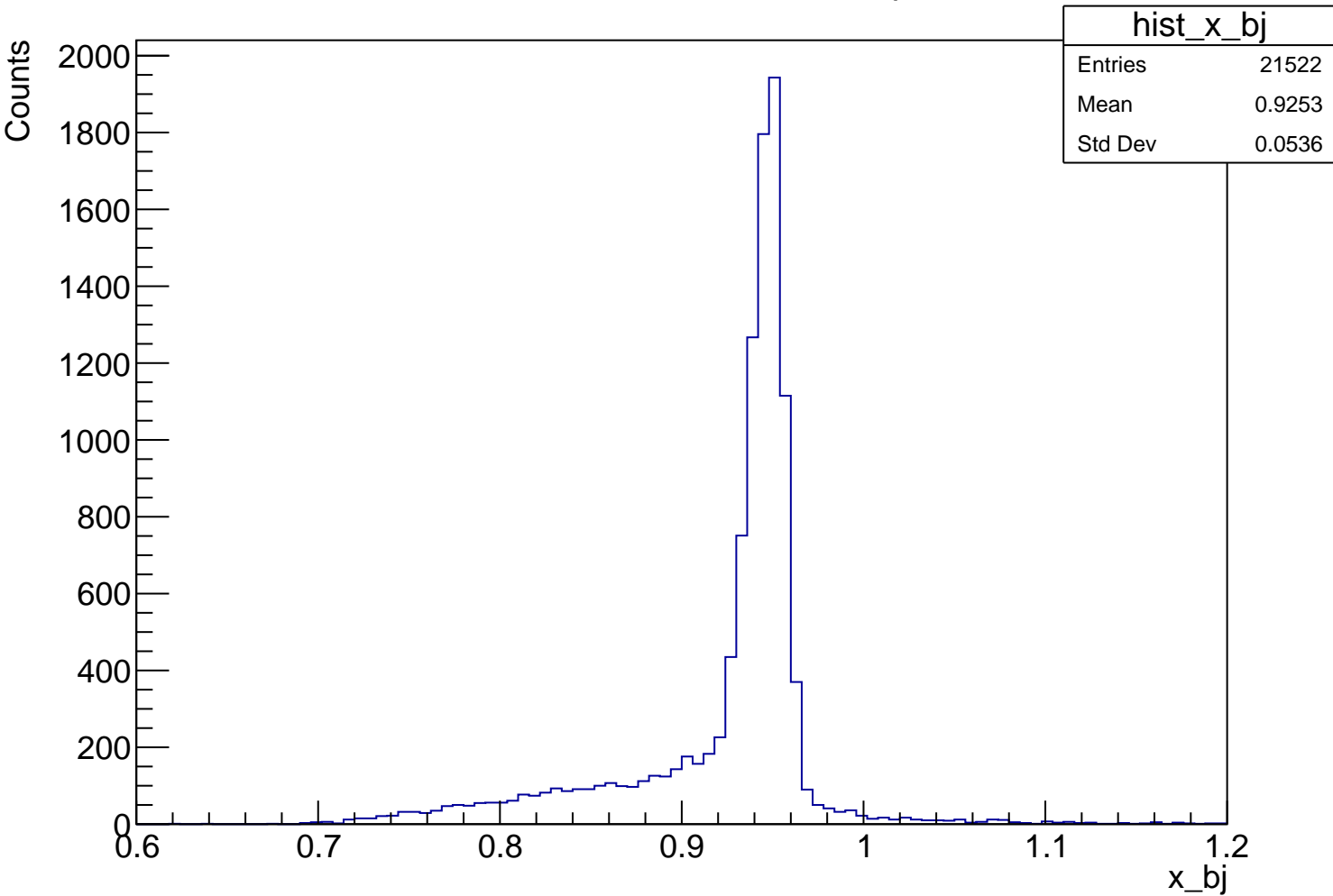
Counts



# Run 6177: H.kin.W2

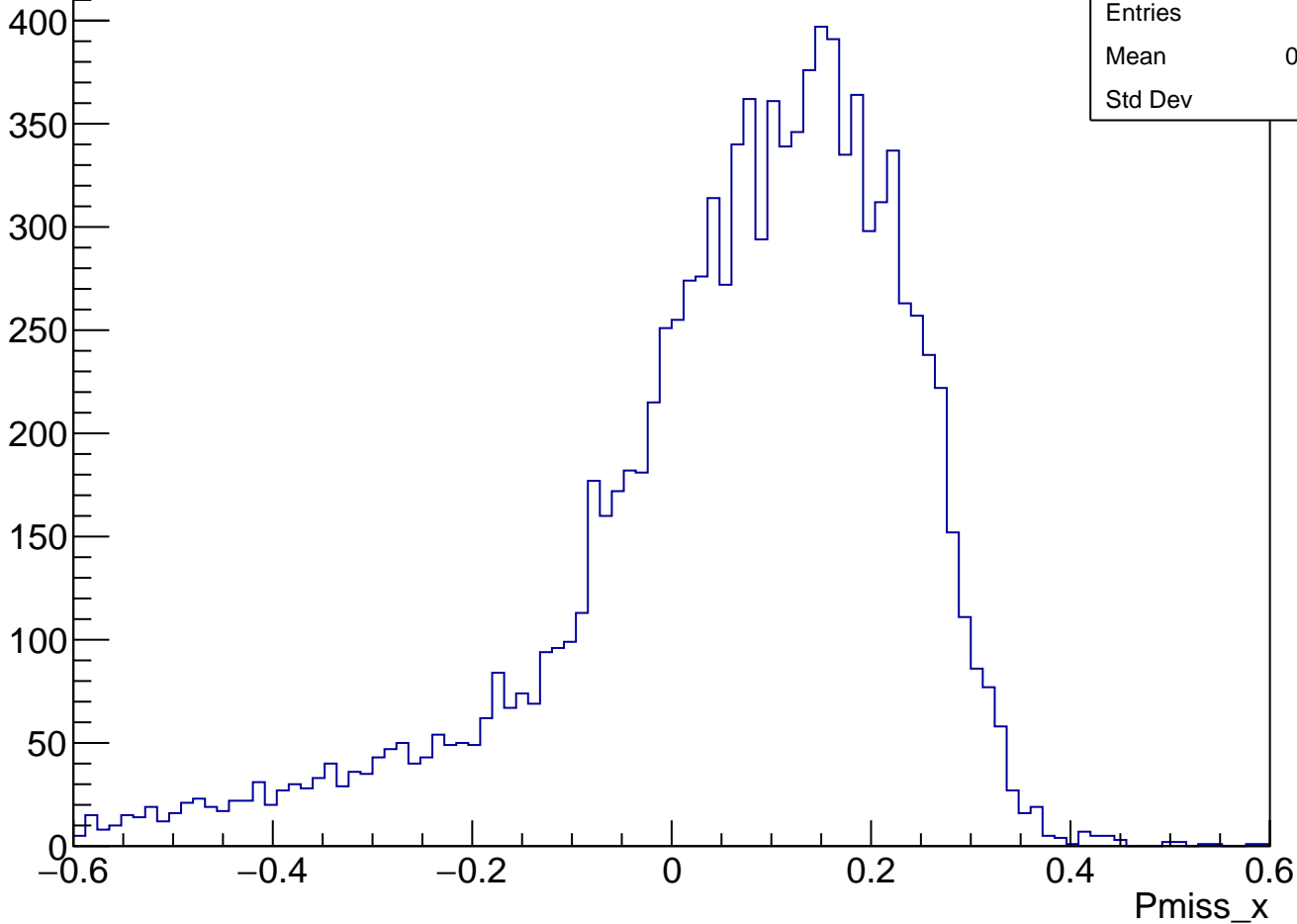


# Run 6177: H.kin.x\_bj



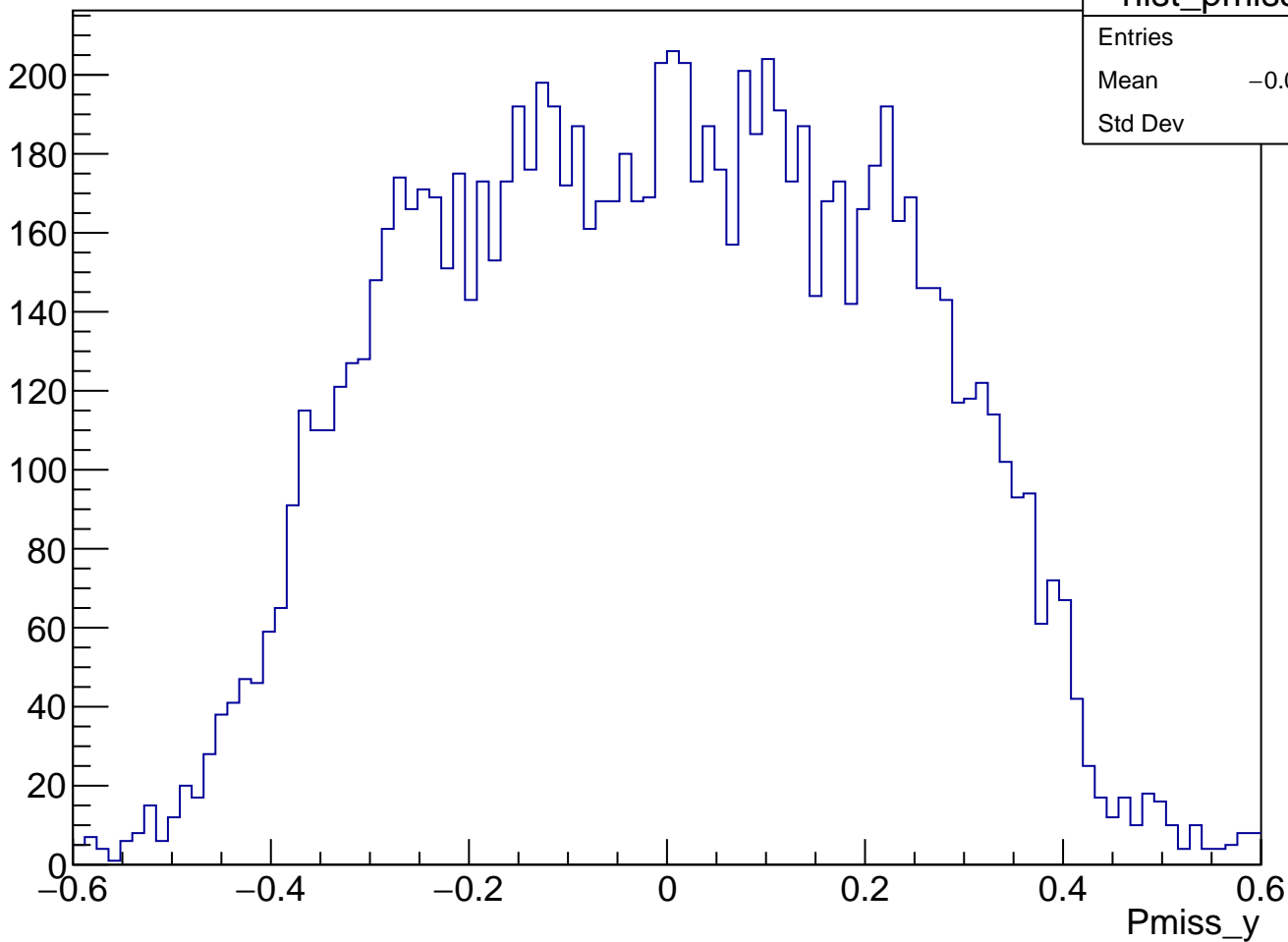
# Run 6177: NPS.kin.secondary.pmiss\_x

Counts



# Run 6177: NPS.kin.secondary.pmiss\_y

Counts



hist\_pmiss\_y

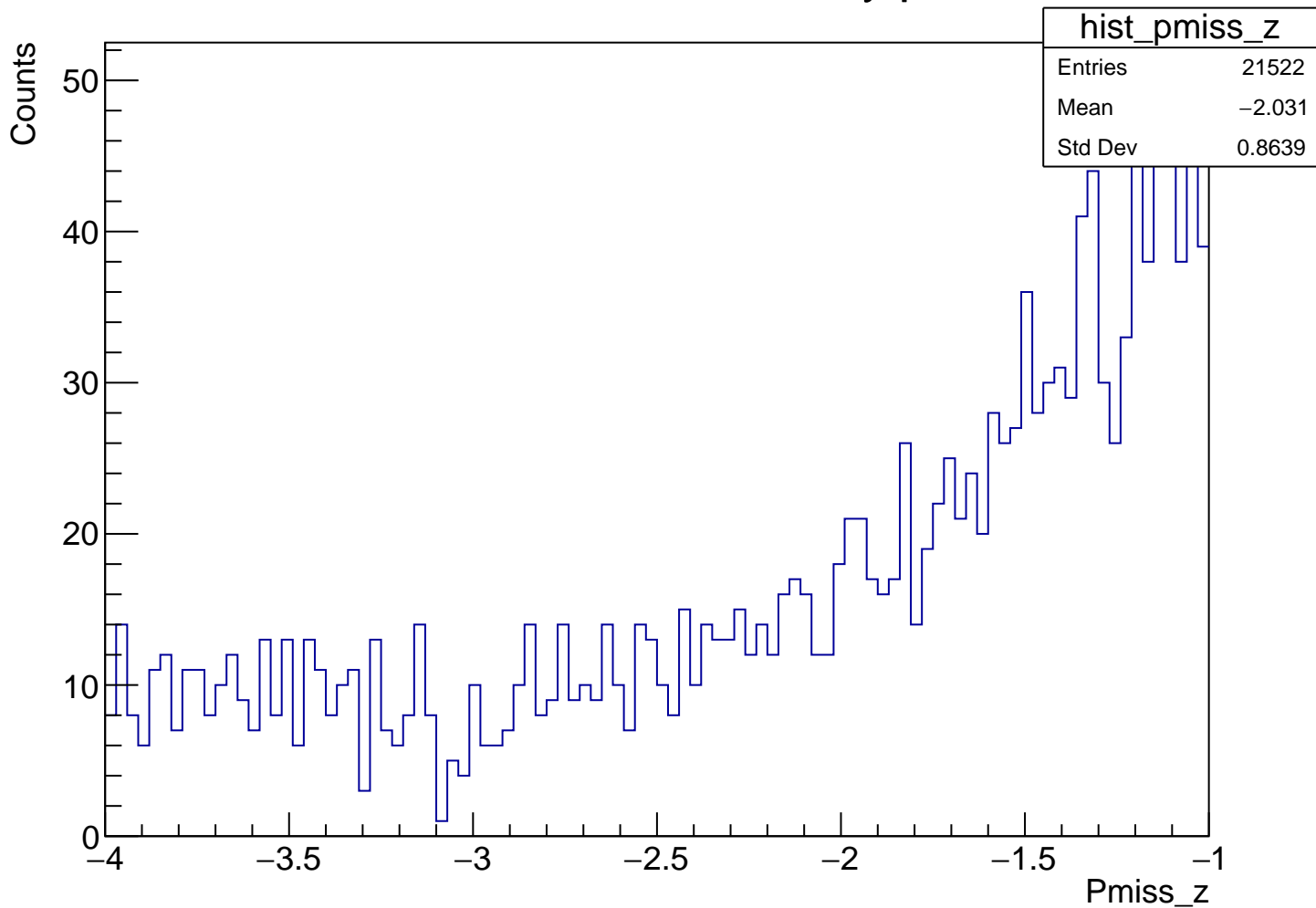
Entries 21522

Mean -0.008137

Std Dev 0.2288

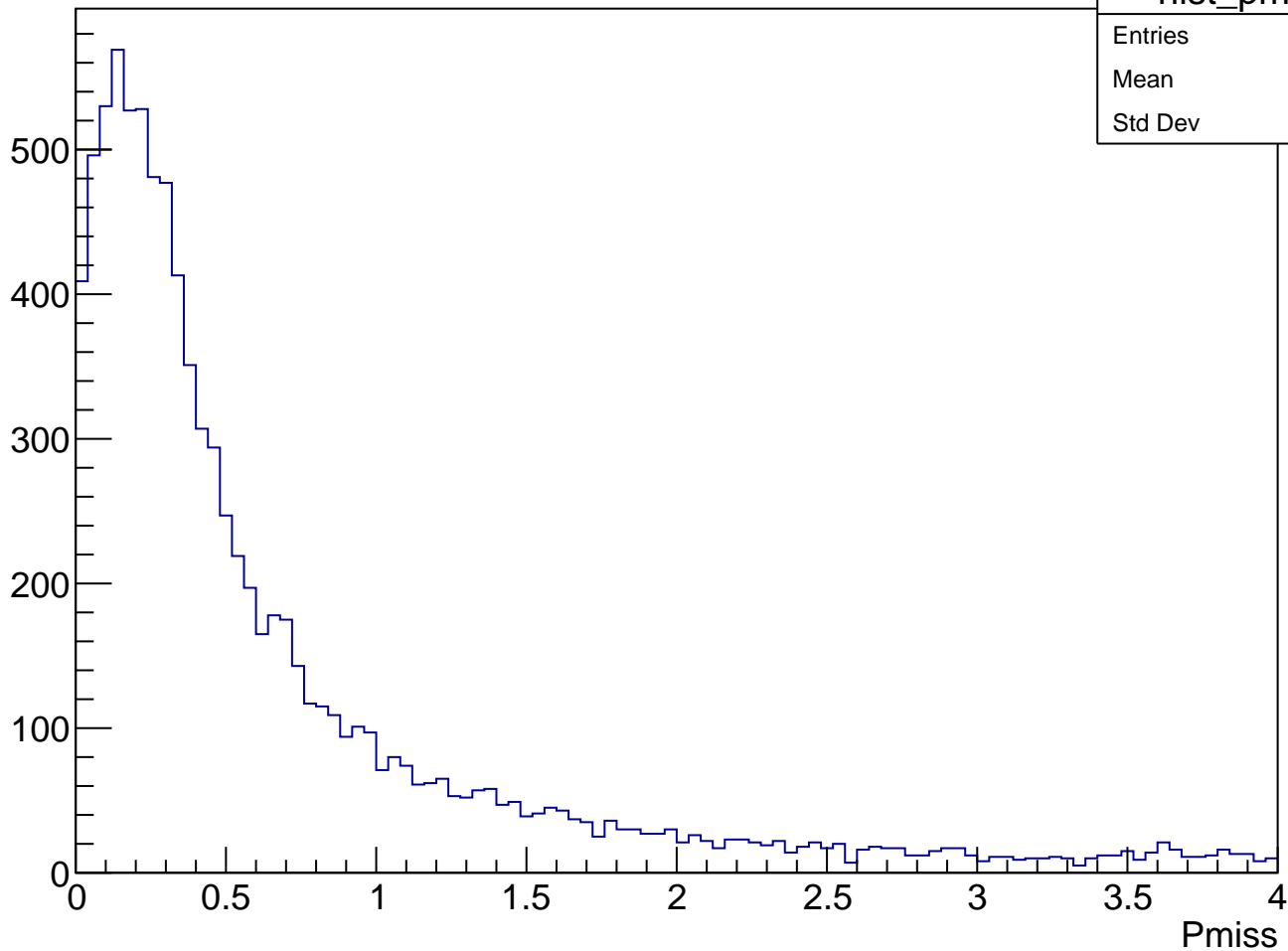


# Run 6177: NPS.kin.secondary.pmiss\_z



# Run 6177: NPS.kin.secondary.pmiss

Counts



Pmiss

# Run 6177: NPS.kin.secondary.emiss

Counts

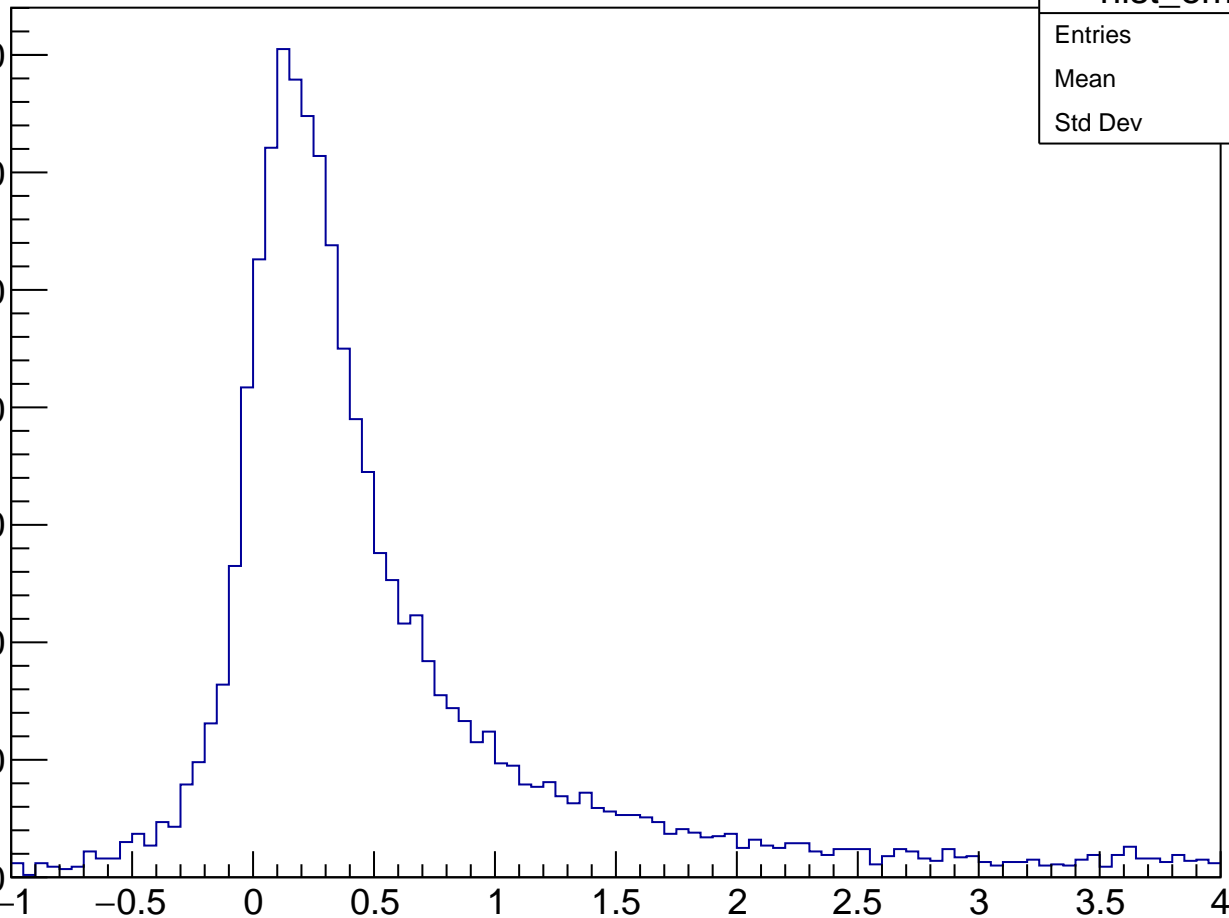
700  
600  
500  
400  
300  
200  
100  
0

-1 -0.5 0 0.5 1 1.5 2 2.5 3 3.5 4

Emiss

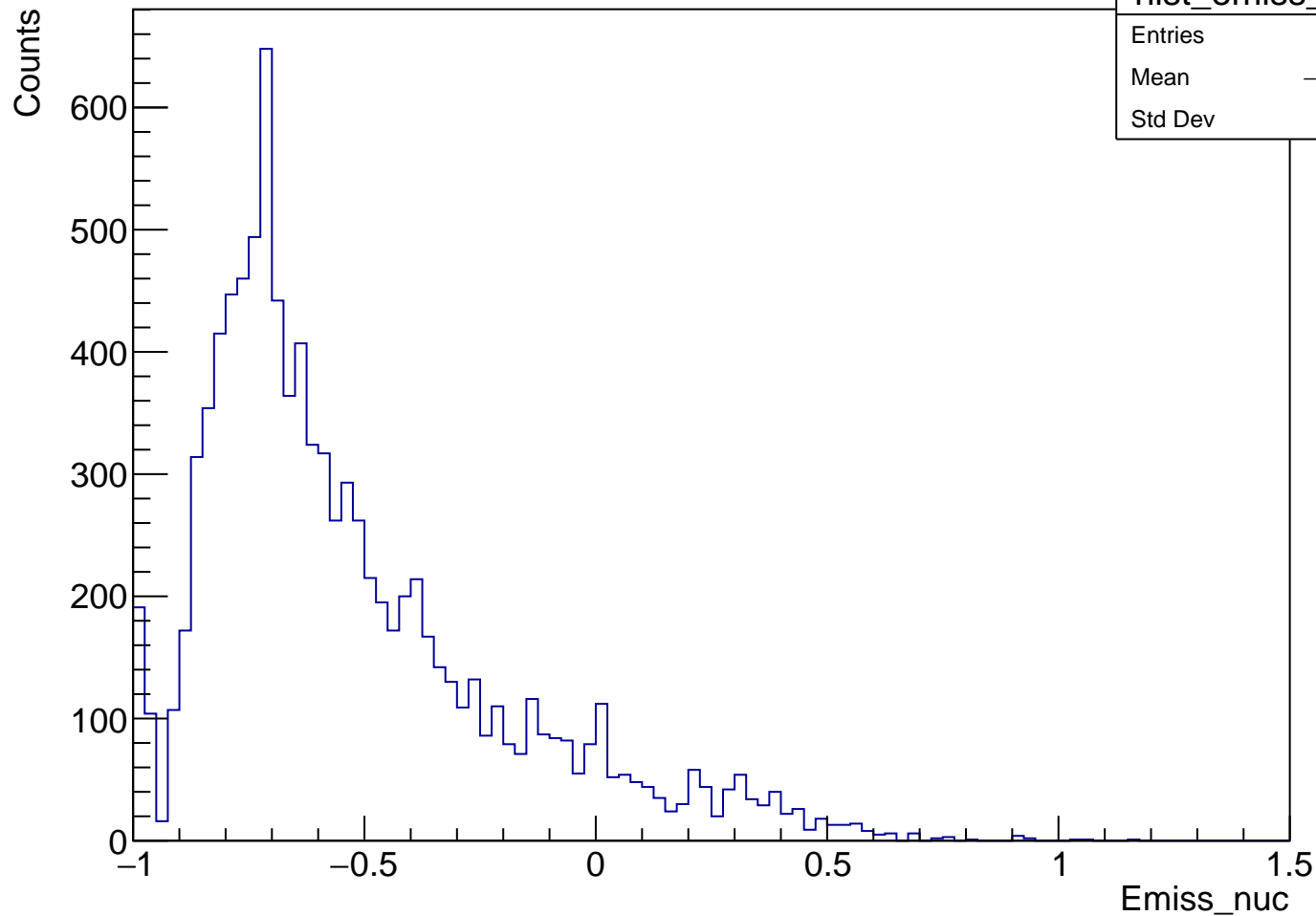
hist\_emiss

Entries	21522
Mean	0.5645
Std Dev	0.7961



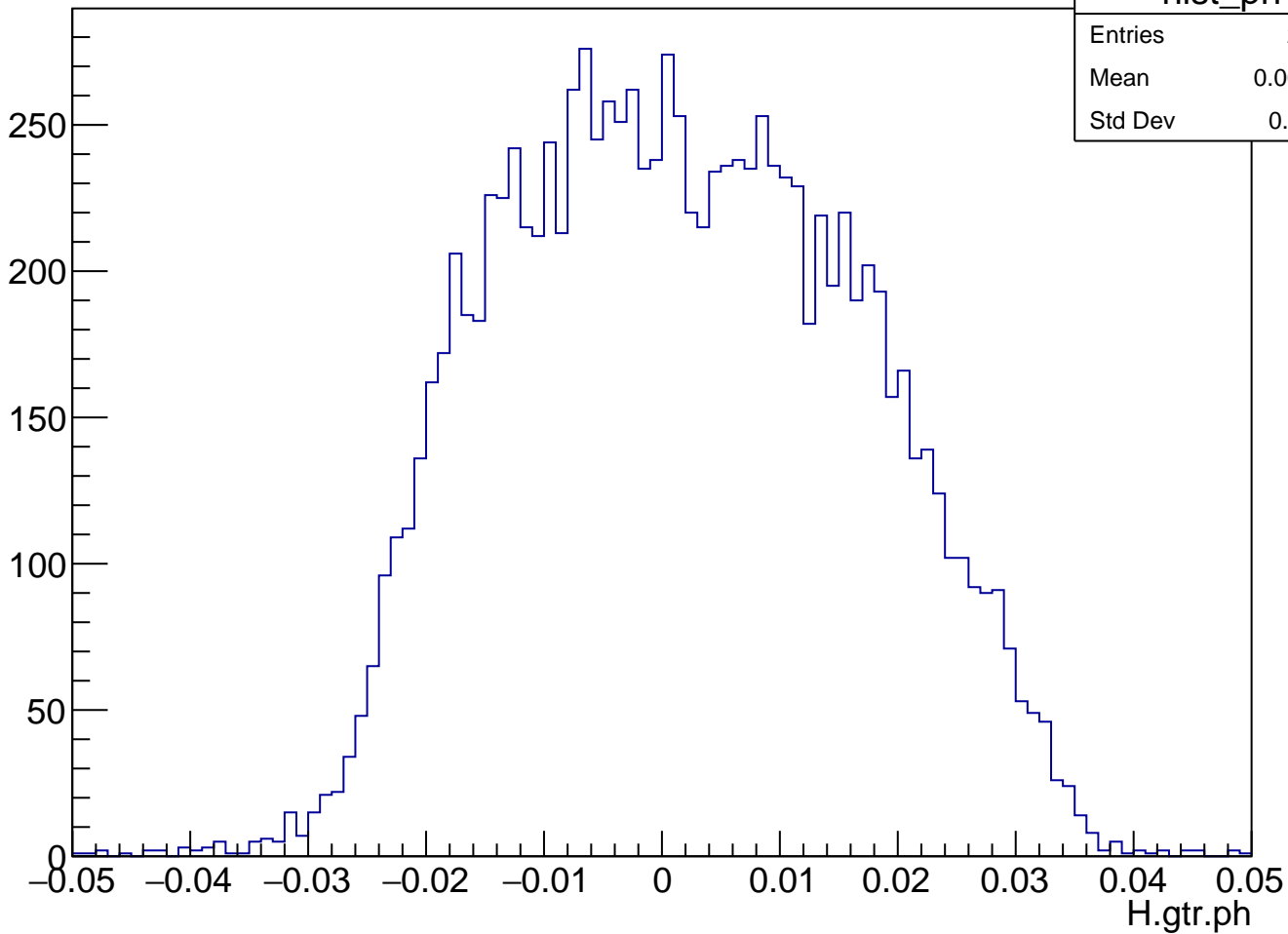
# Run 6177: NPS.kin.secondary.emiss\_nuc

hist_emiss_nuc	
Entries	21522
Mean	-0.5279
Std Dev	0.3279



# Run 6177: H.gtr.ph

Counts

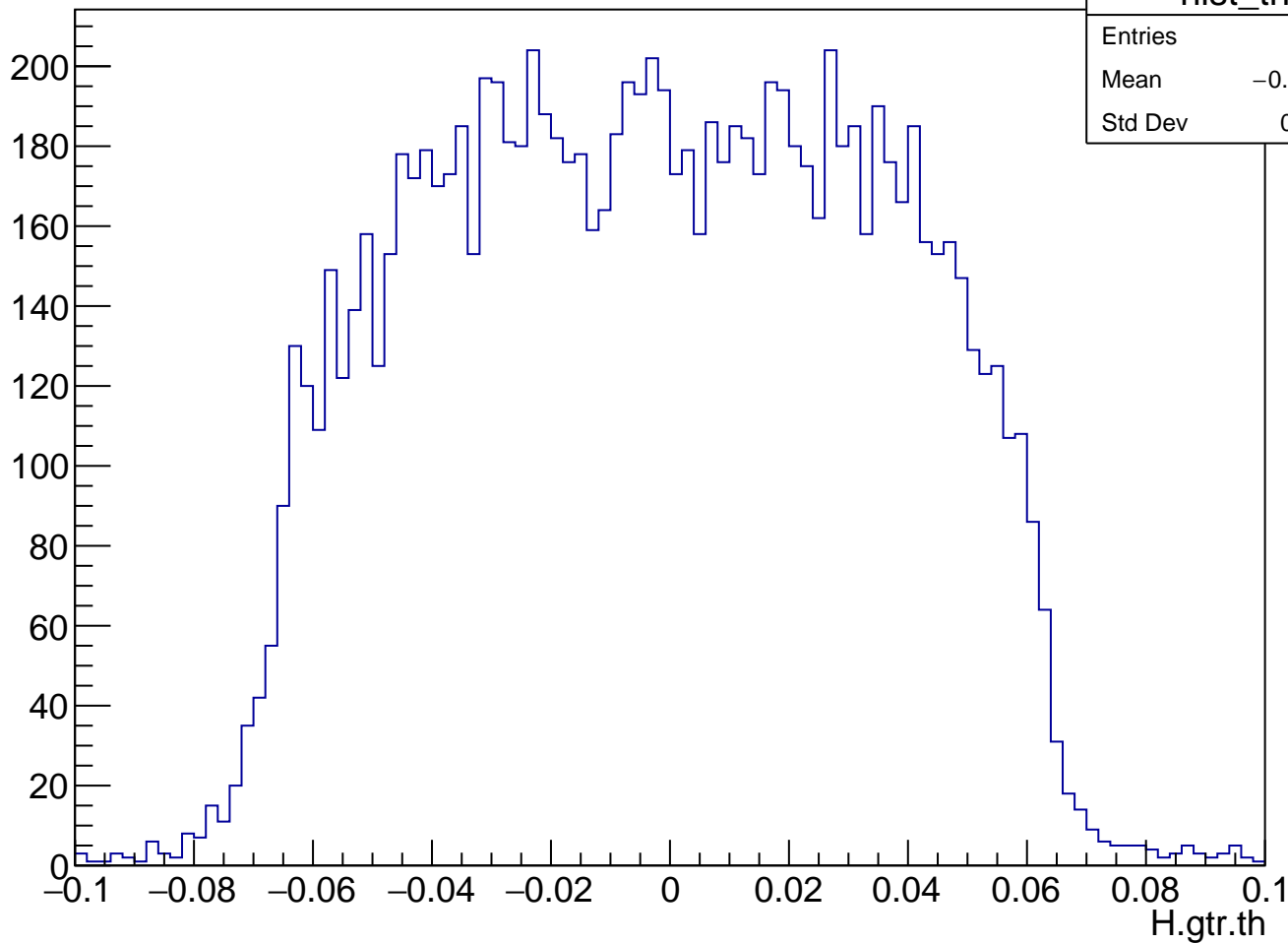


hist\_ph

Entries	21522
Mean	0.001546
Std Dev	0.01483

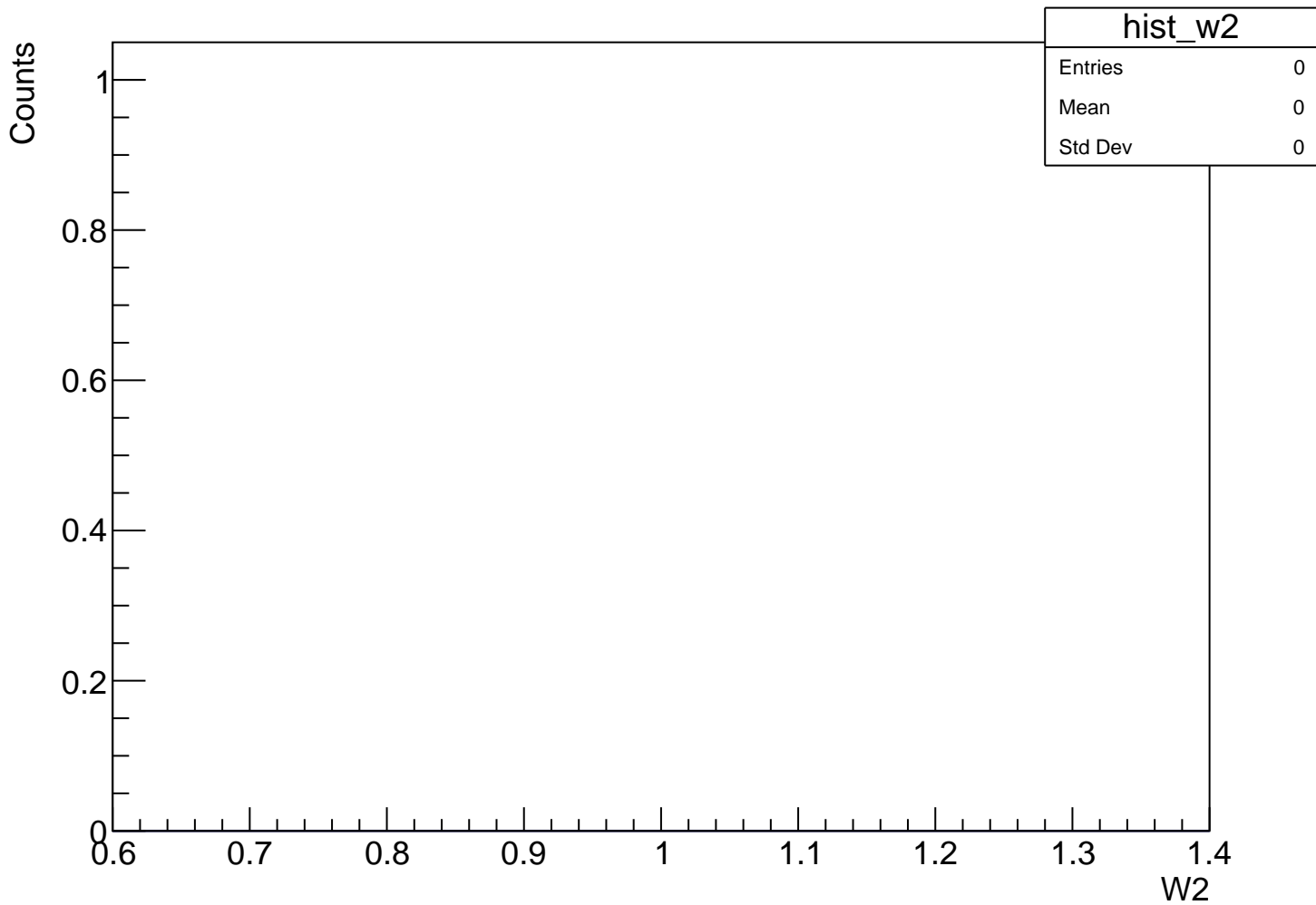
# Run 6177: H.gtr.th

Counts



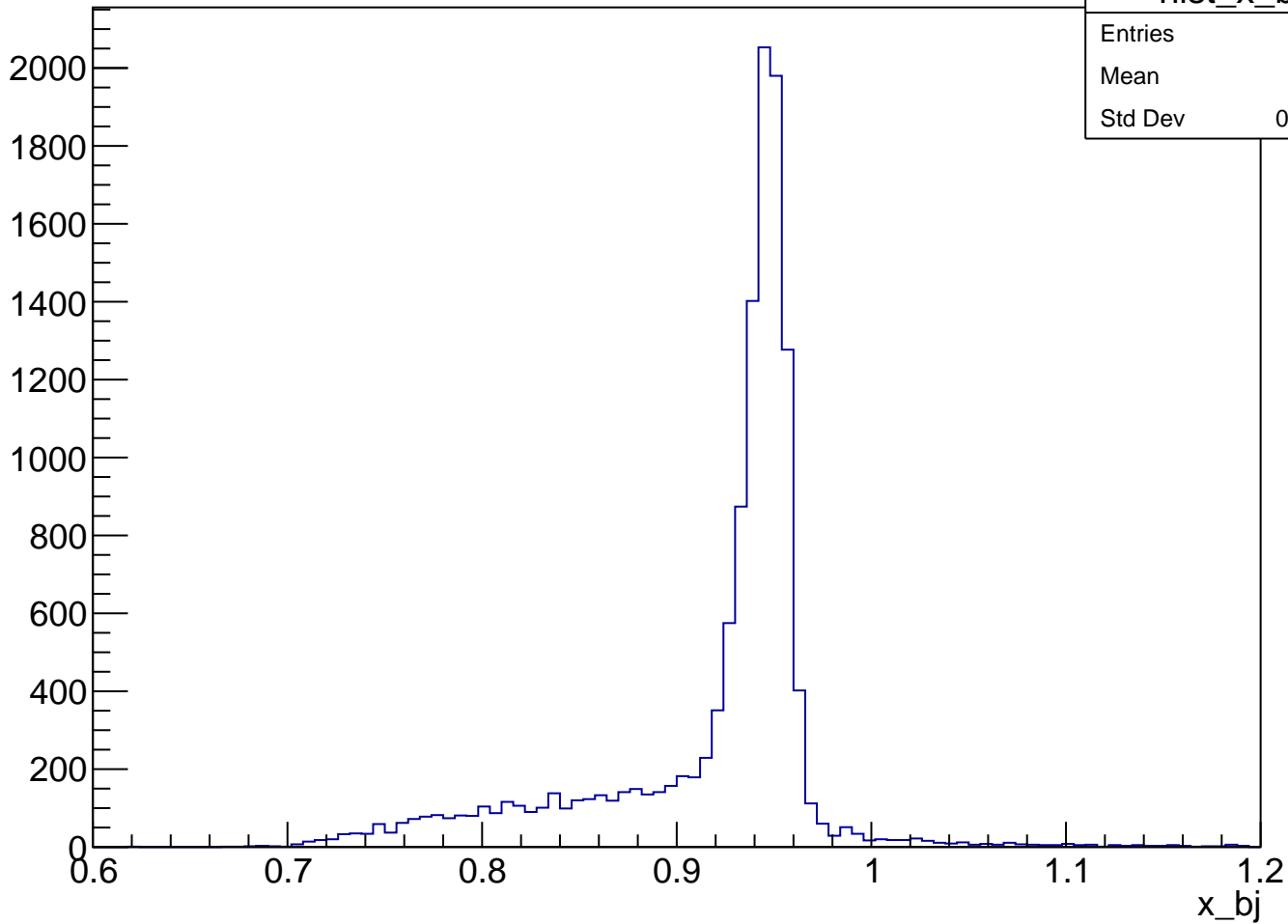
H.gtr.th

# Run 6178: H.kin.W2



# Run 6178: H.kin.x\_bj

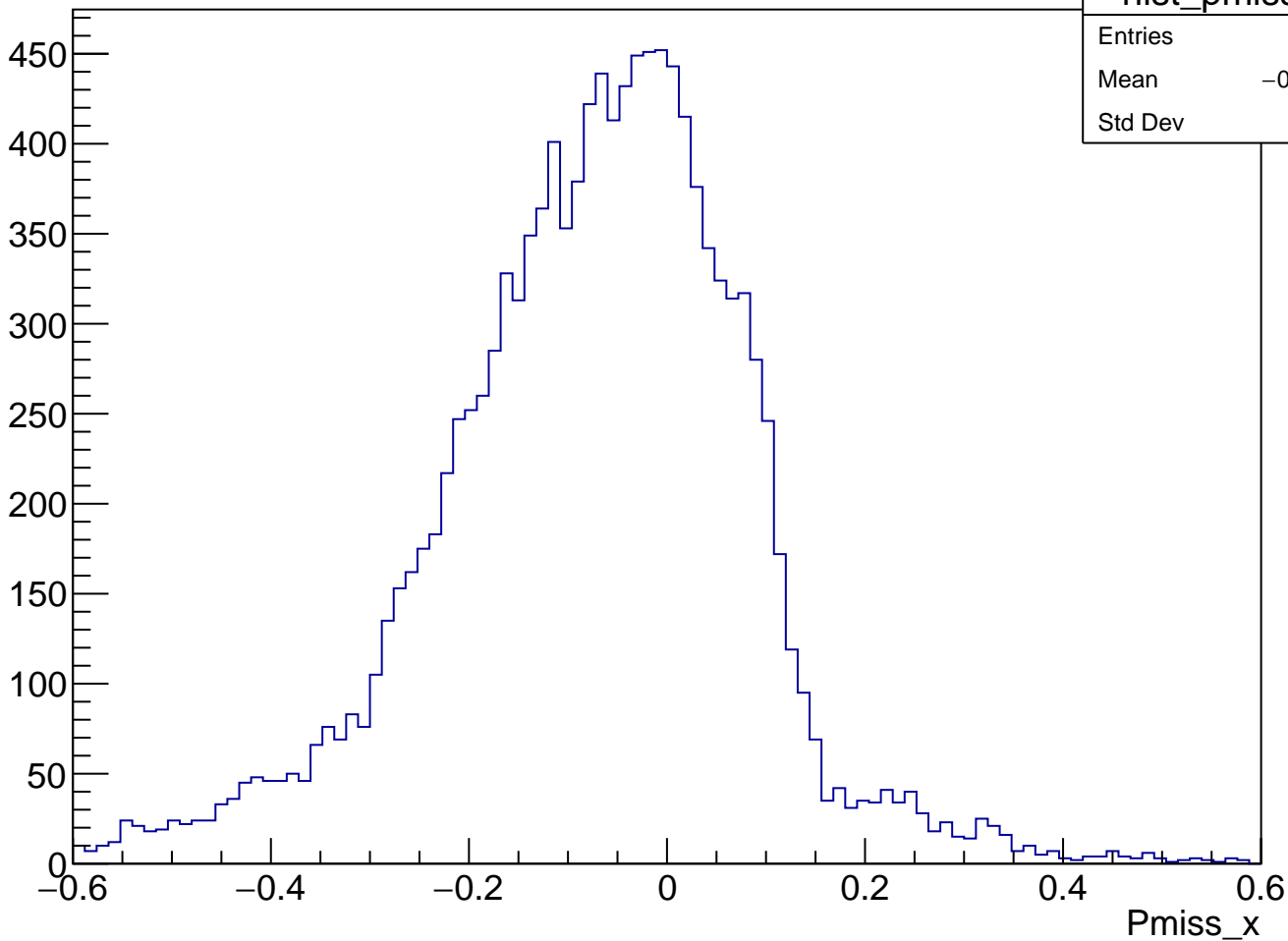
Counts





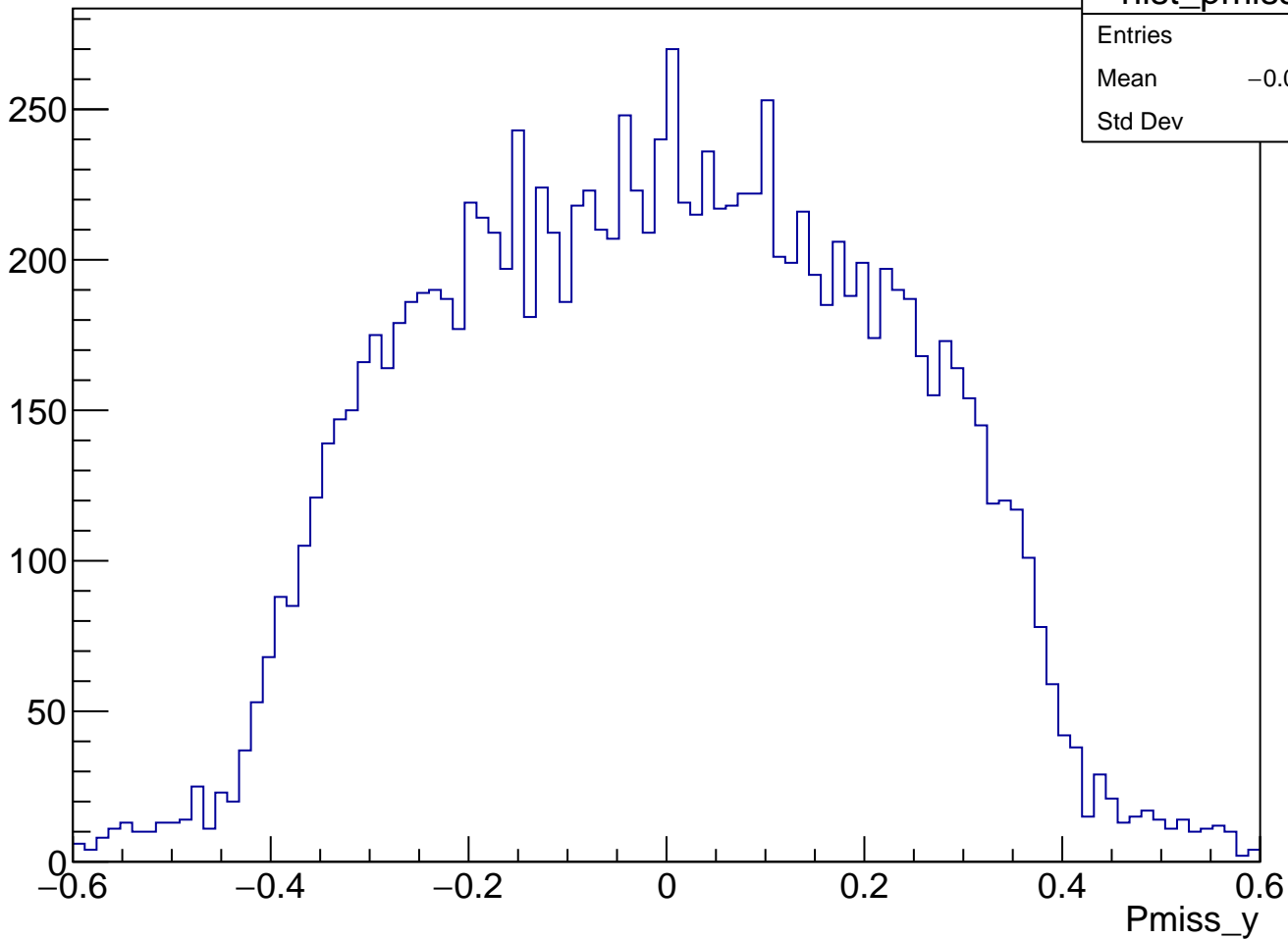
# Run 6178: NPS.kin.secondary.pmiss\_x

Counts

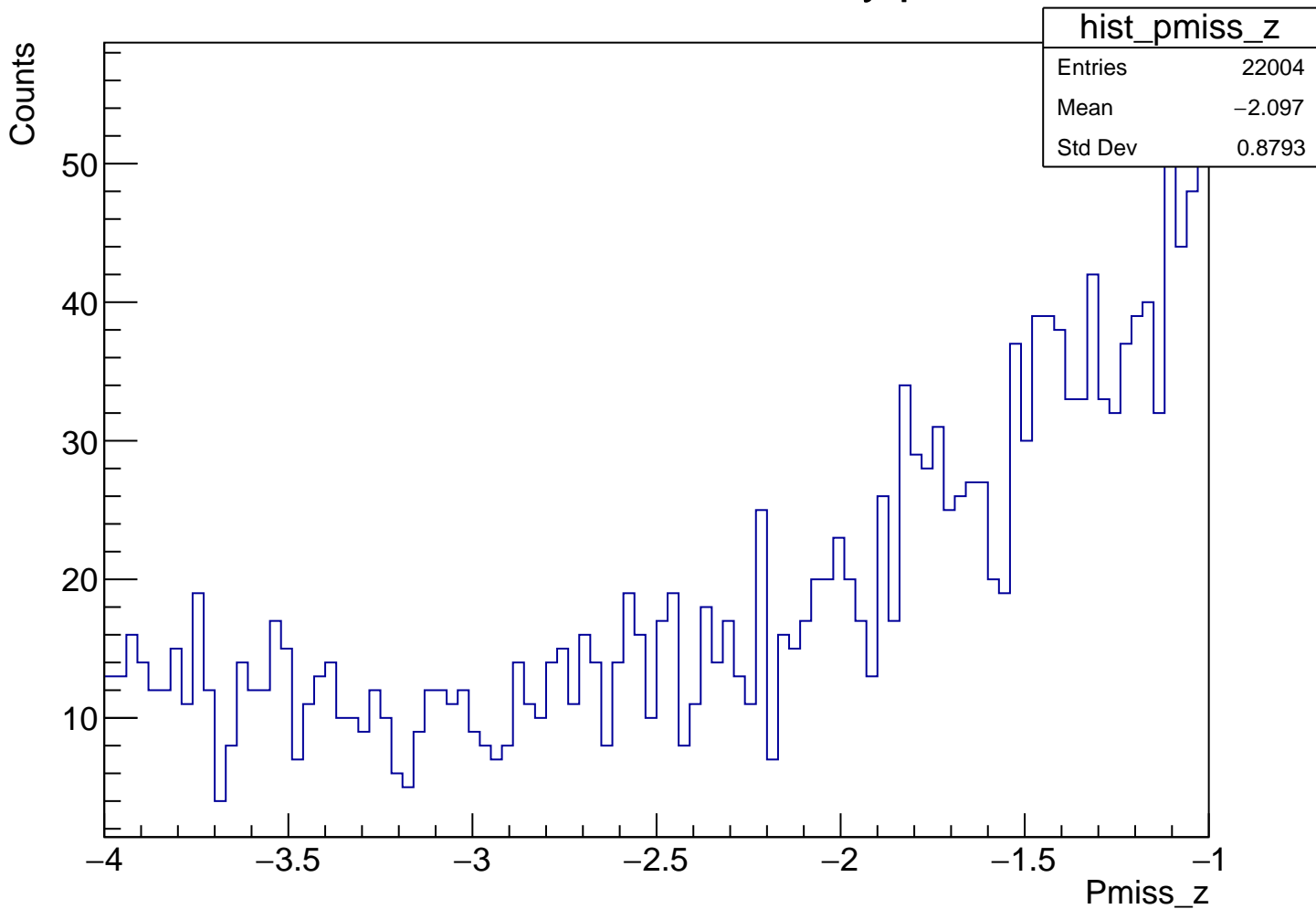


# Run 6178: NPS.kin.secondary.pmiss\_y

Counts

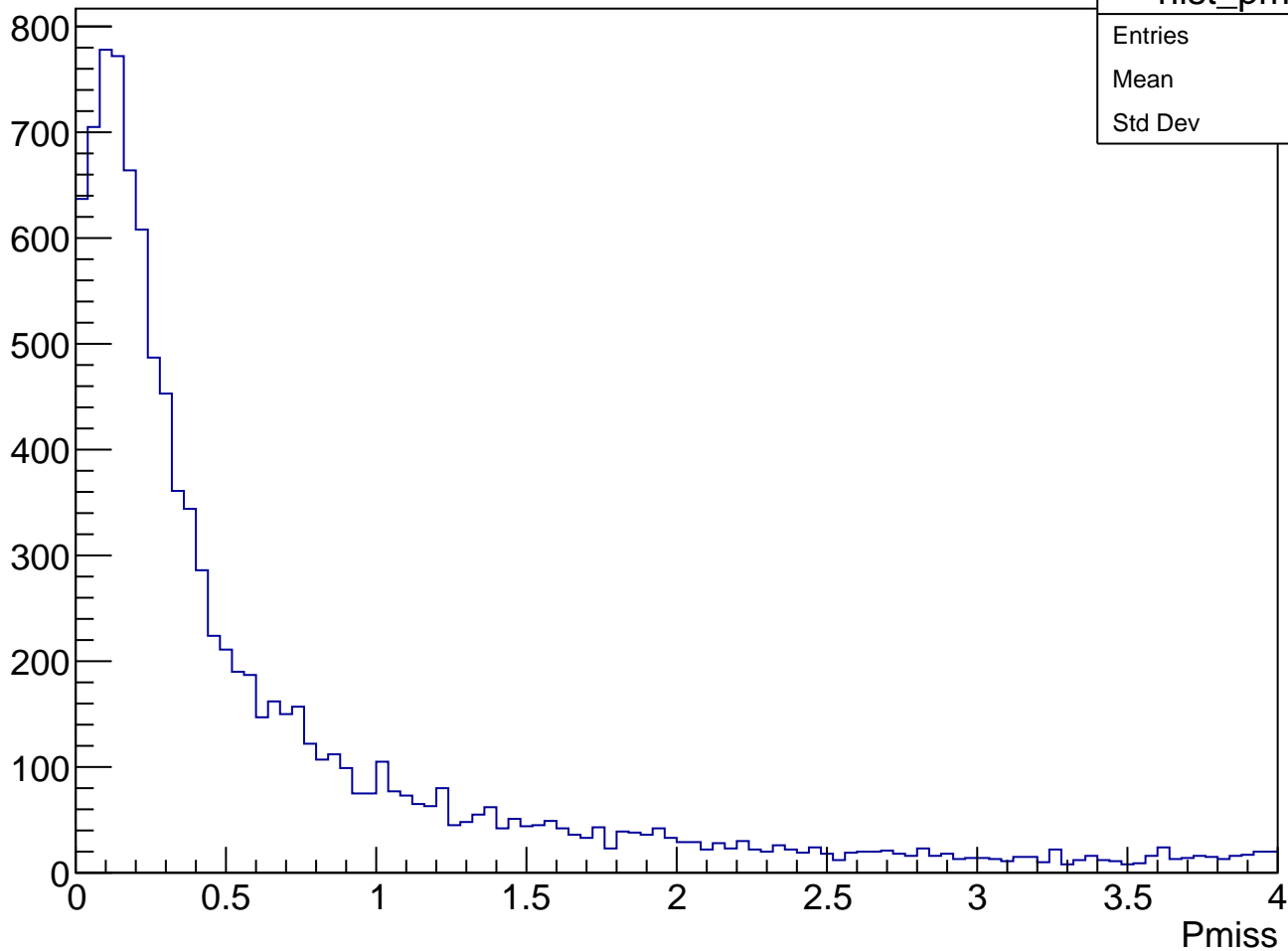


# Run 6178: NPS.kin.secondary.pmiss\_z



# Run 6178: NPS.kin.secondary.pmiss

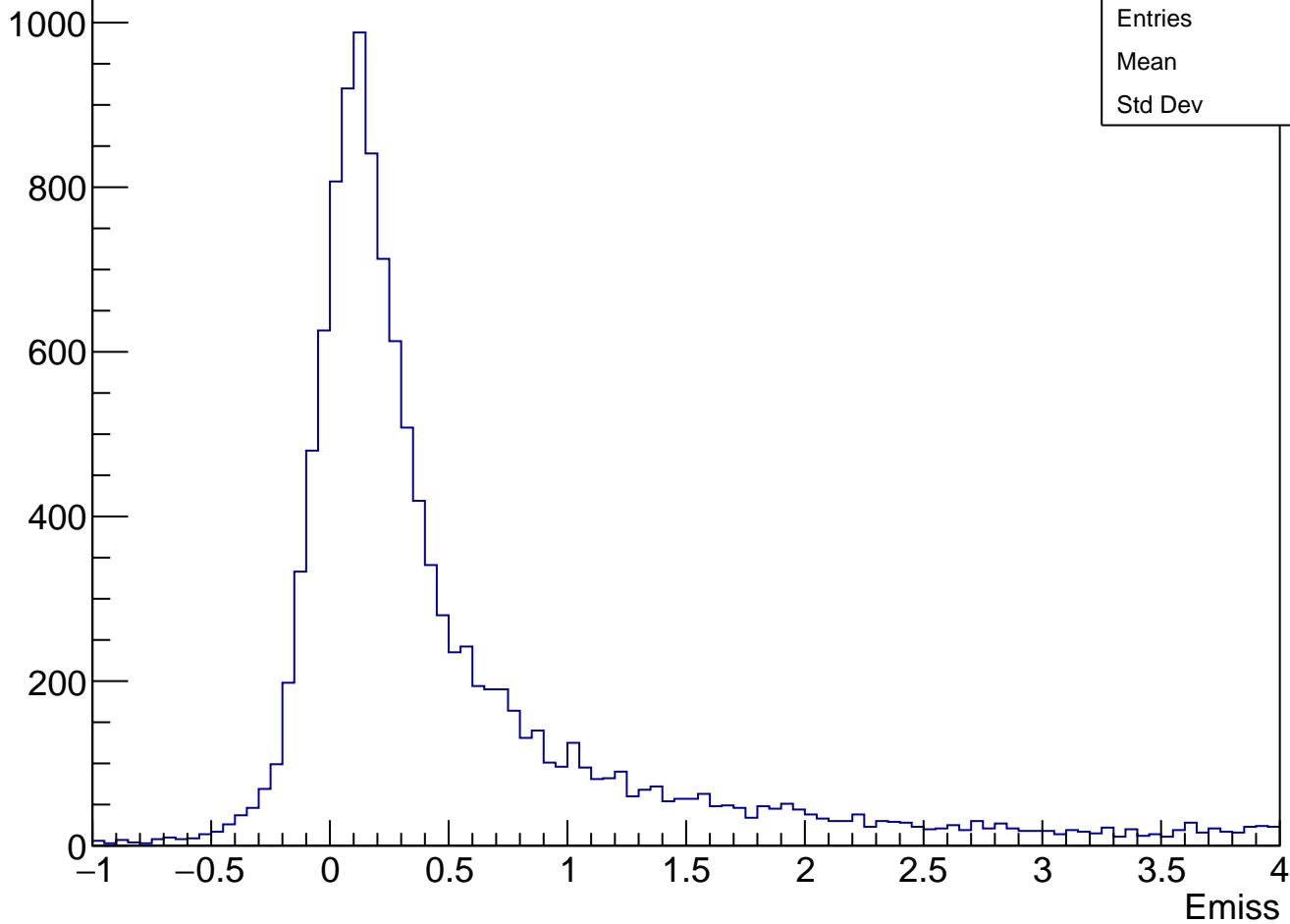
Counts



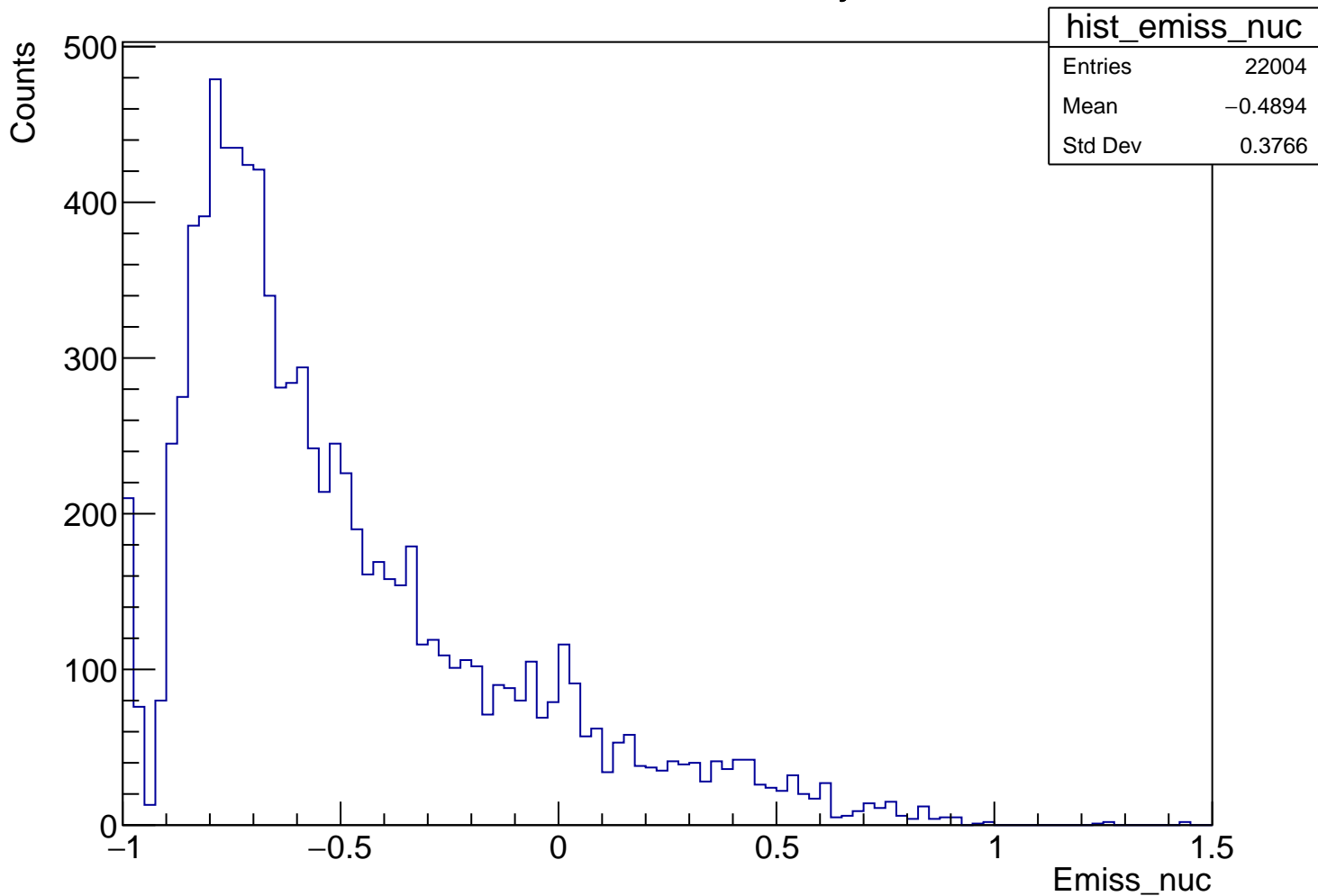
Pmiss

# Run 6178: NPS.kin.secondary.emiss

Counts

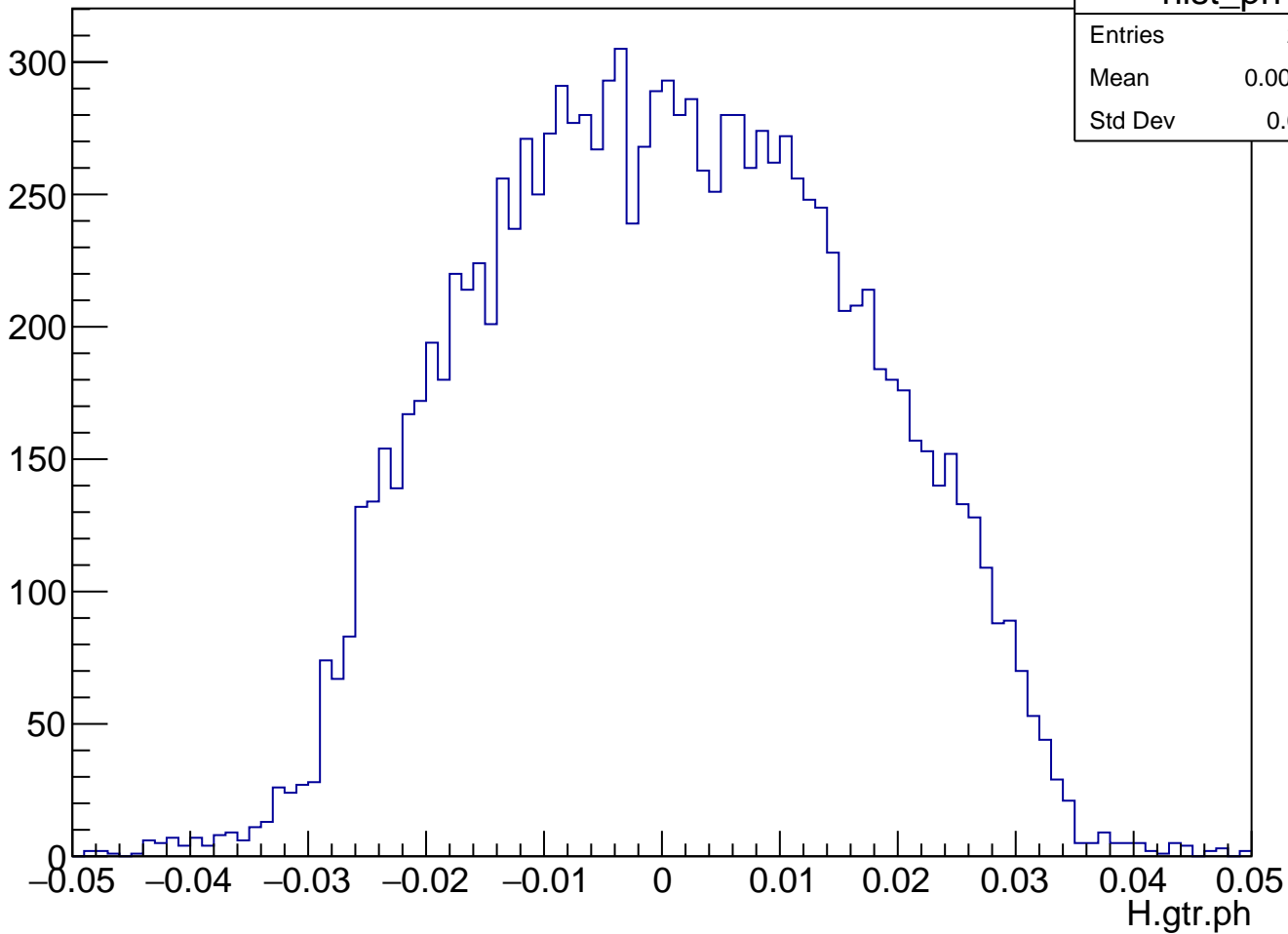


# Run 6178: NPS.kin.secondary.emiss\_nuc



# Run 6178: H.gtr.ph

Counts



hist\_ph

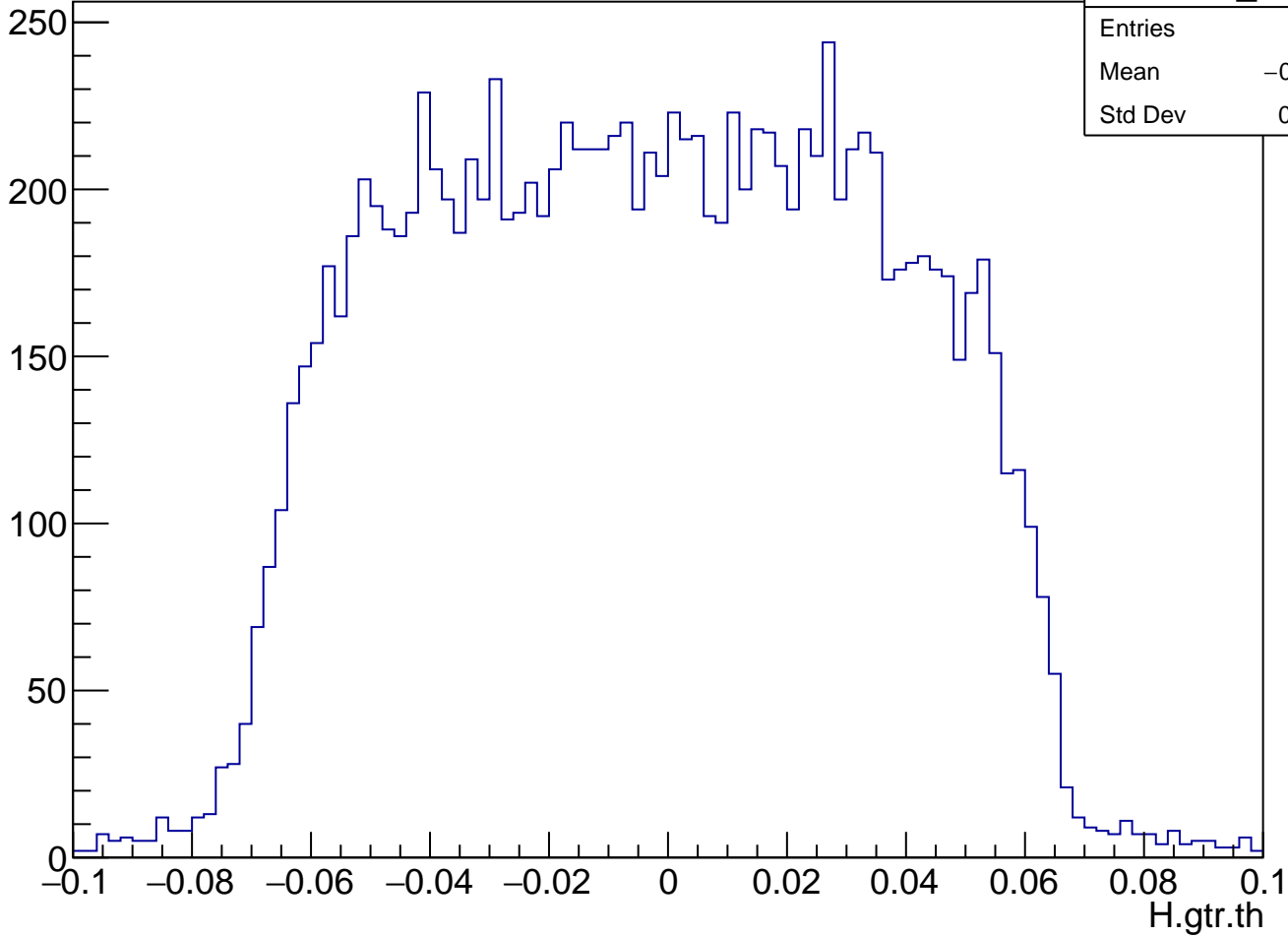
Entries 22004

Mean 0.0005771

Std Dev 0.01564

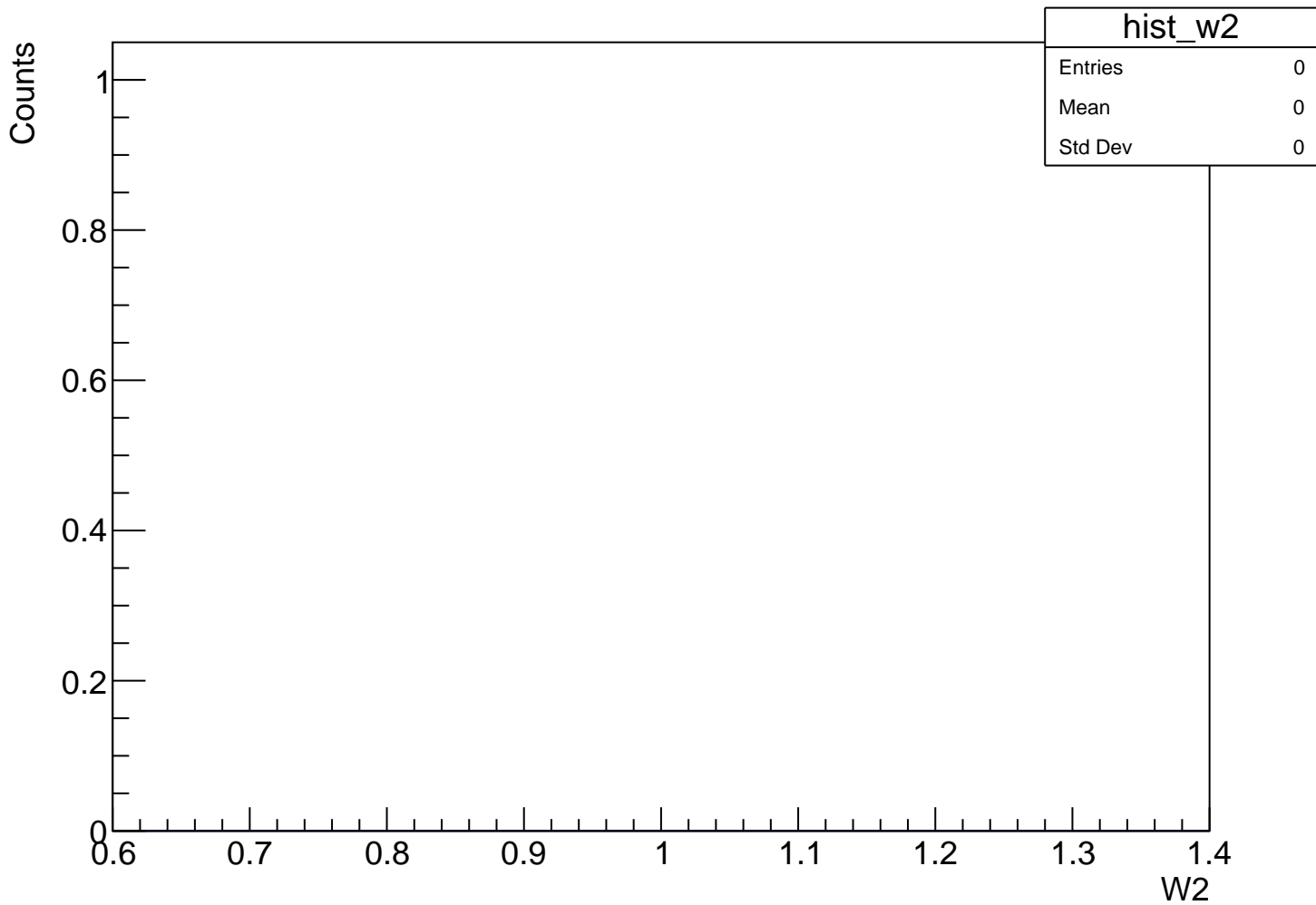
# Run 6178: H.gtr.th

Counts



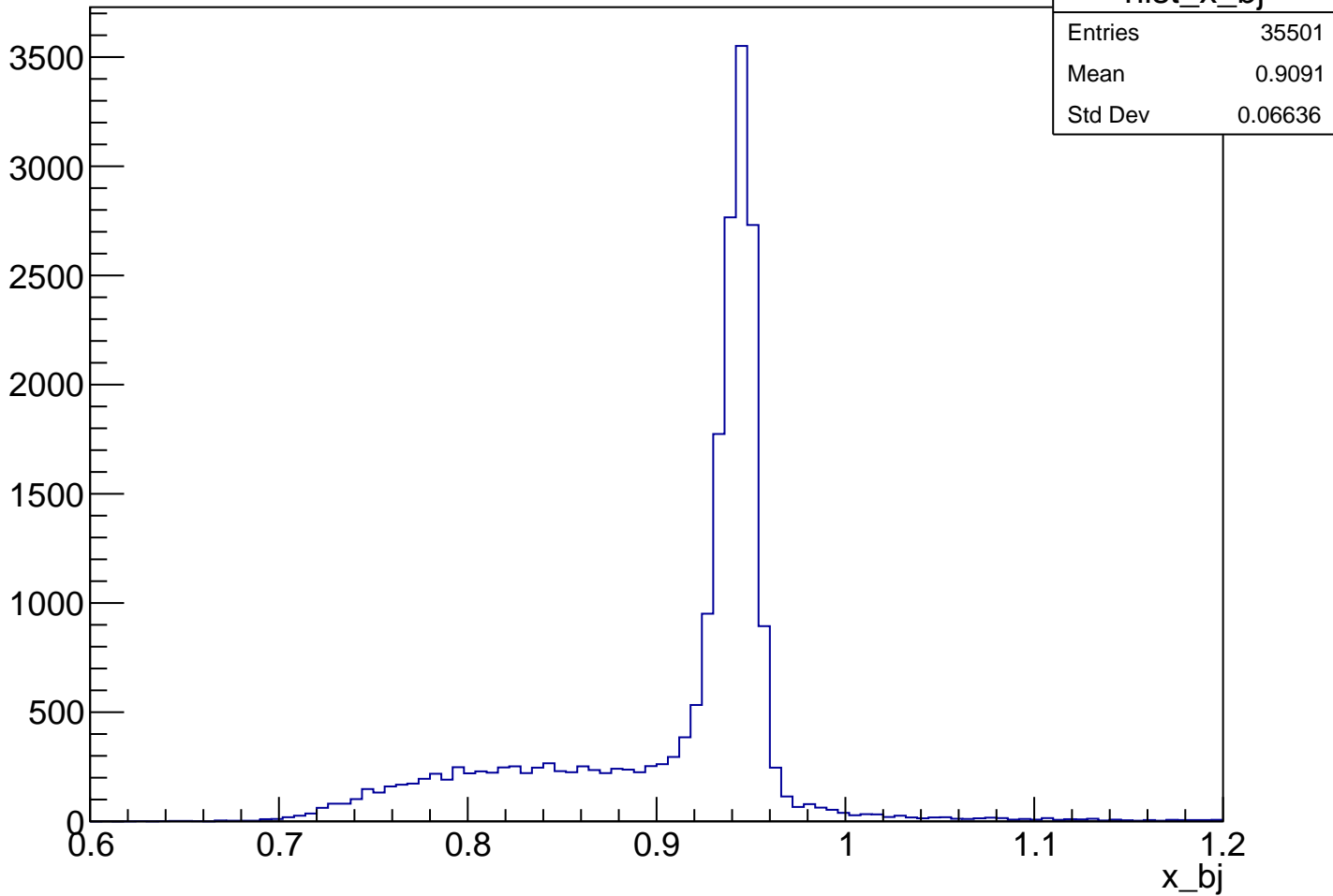


# Run 6179: H.kin.W2



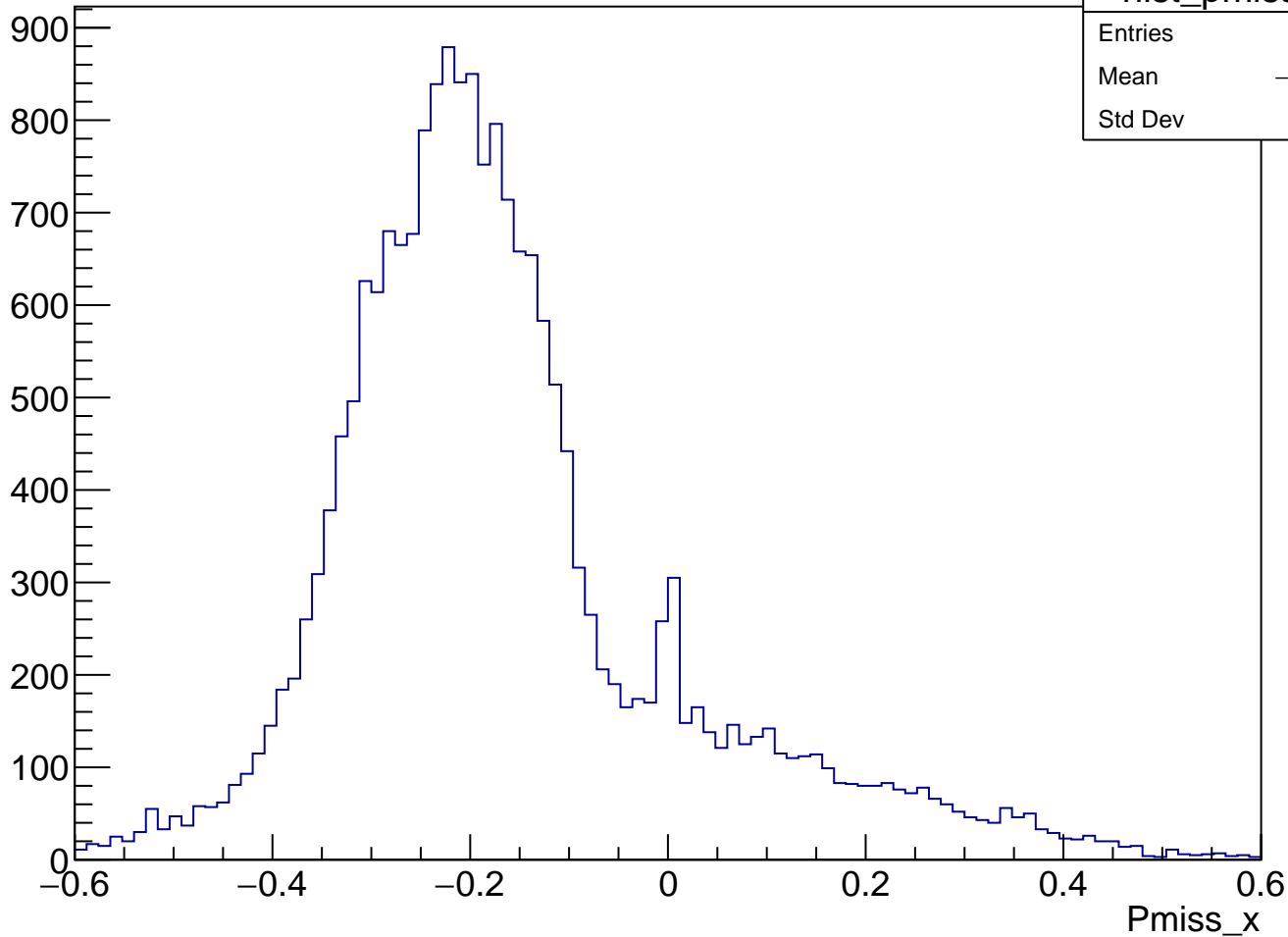
# Run 6179: H.kin.x\_bj

Counts



# Run 6179: NPS.kin.secondary.pmiss\_x

Counts



hist\_pmiss\_x

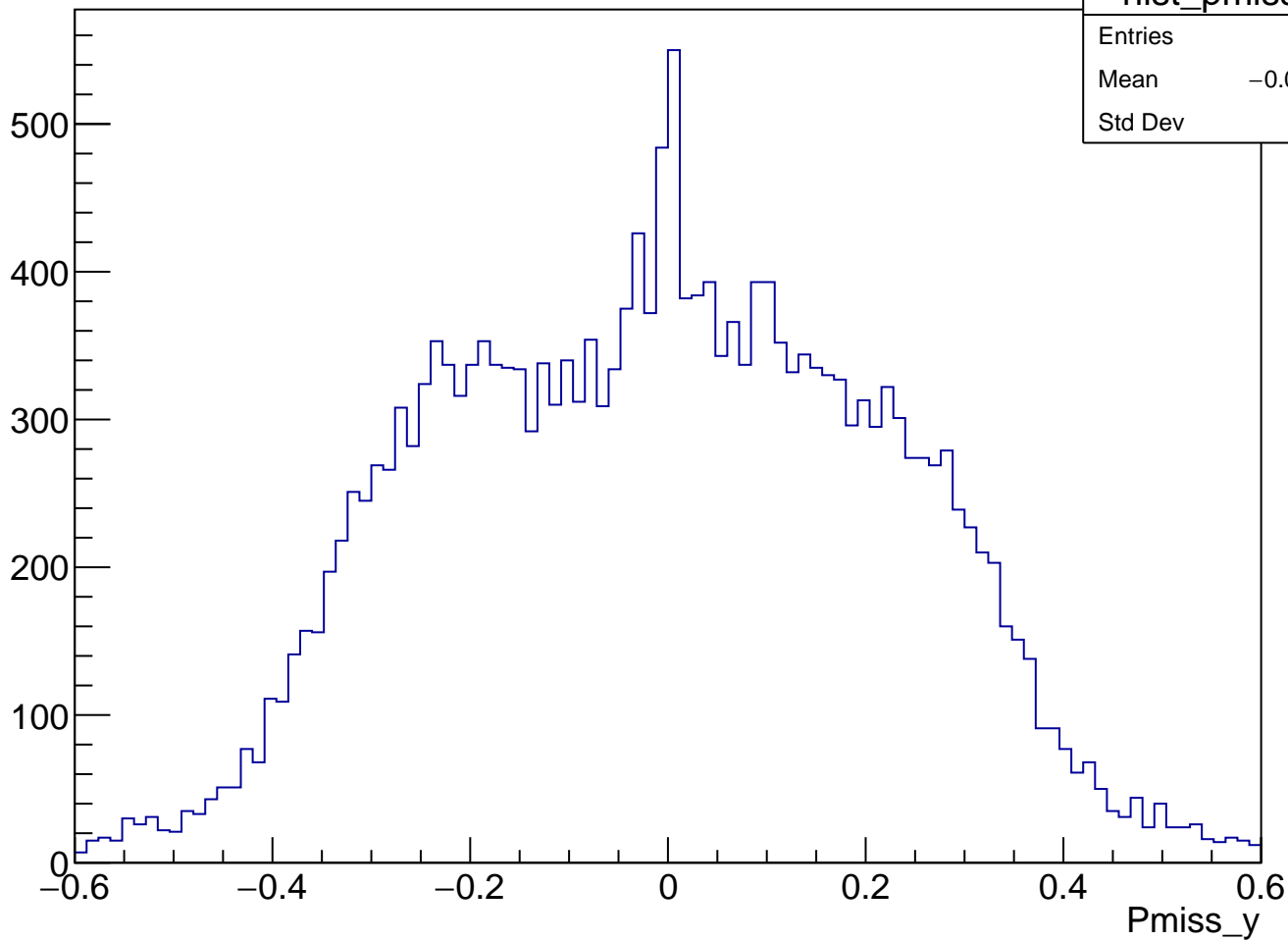
Entries 35501

Mean -0.1616

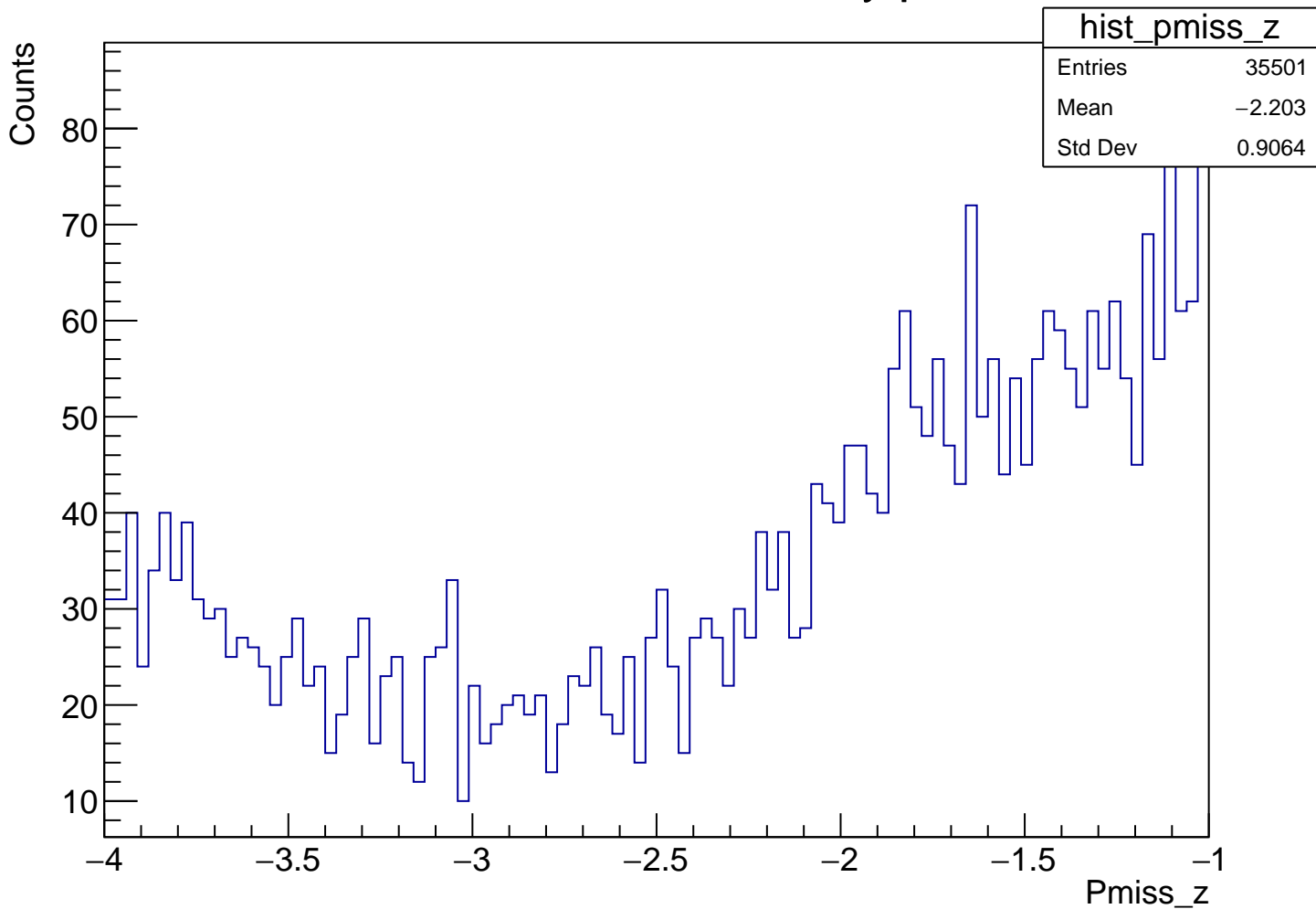
Std Dev 0.1775

# Run 6179: NPS.kin.secondary.pmiss\_y

Counts

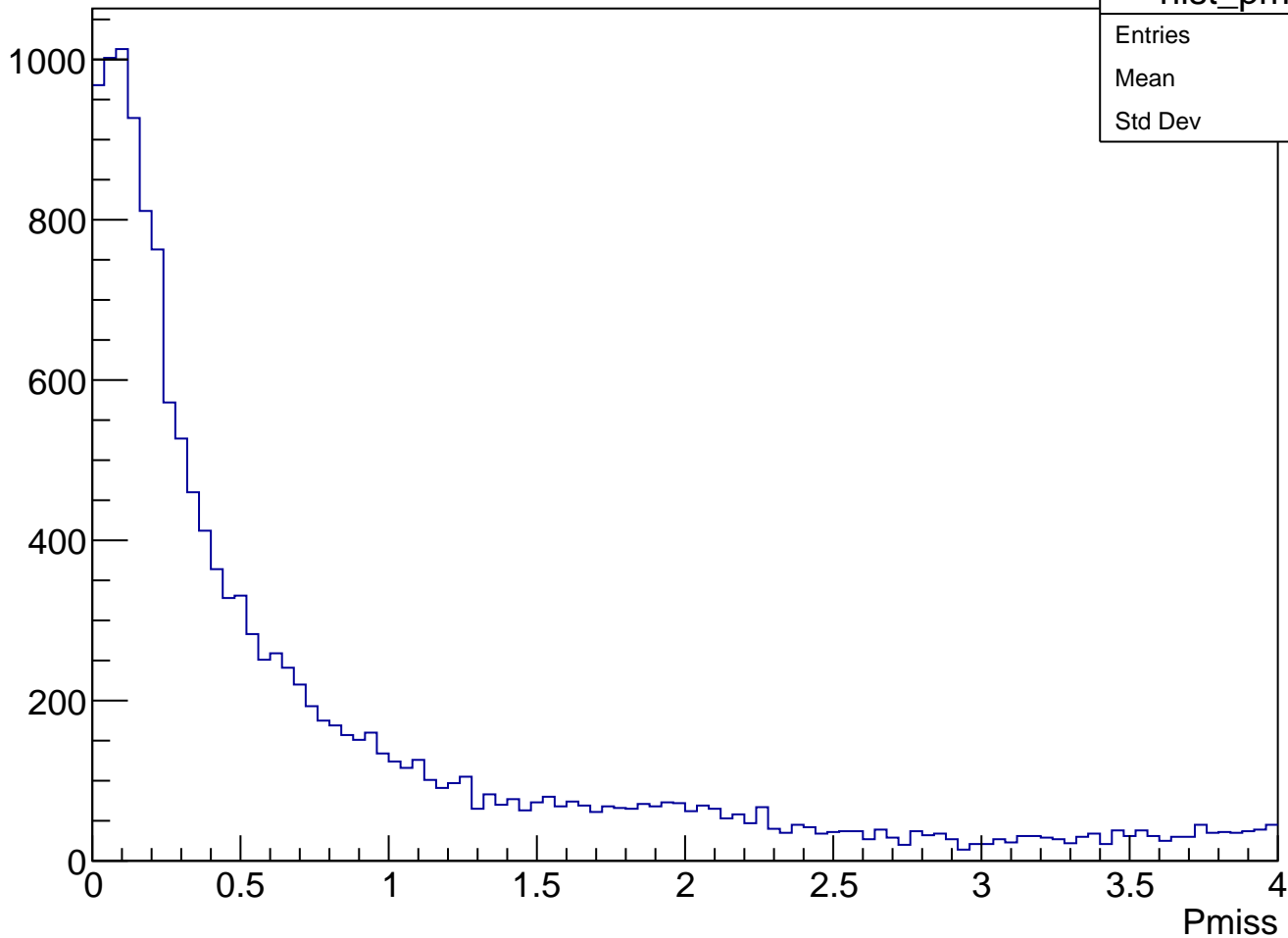


# Run 6179: NPS.kin.secondary.pmiss\_z

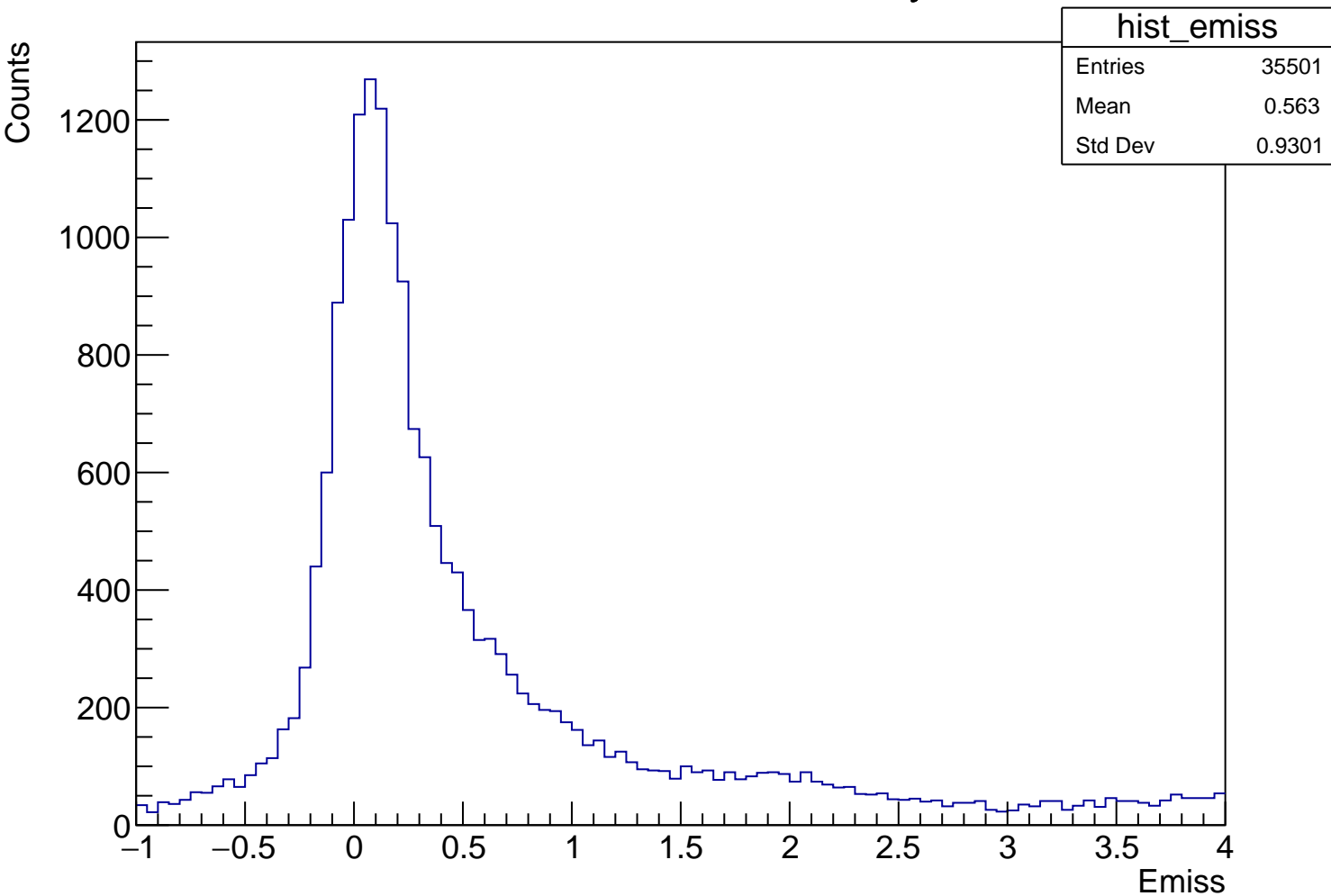


# Run 6179: NPS.kin.secondary.pmiss

Counts

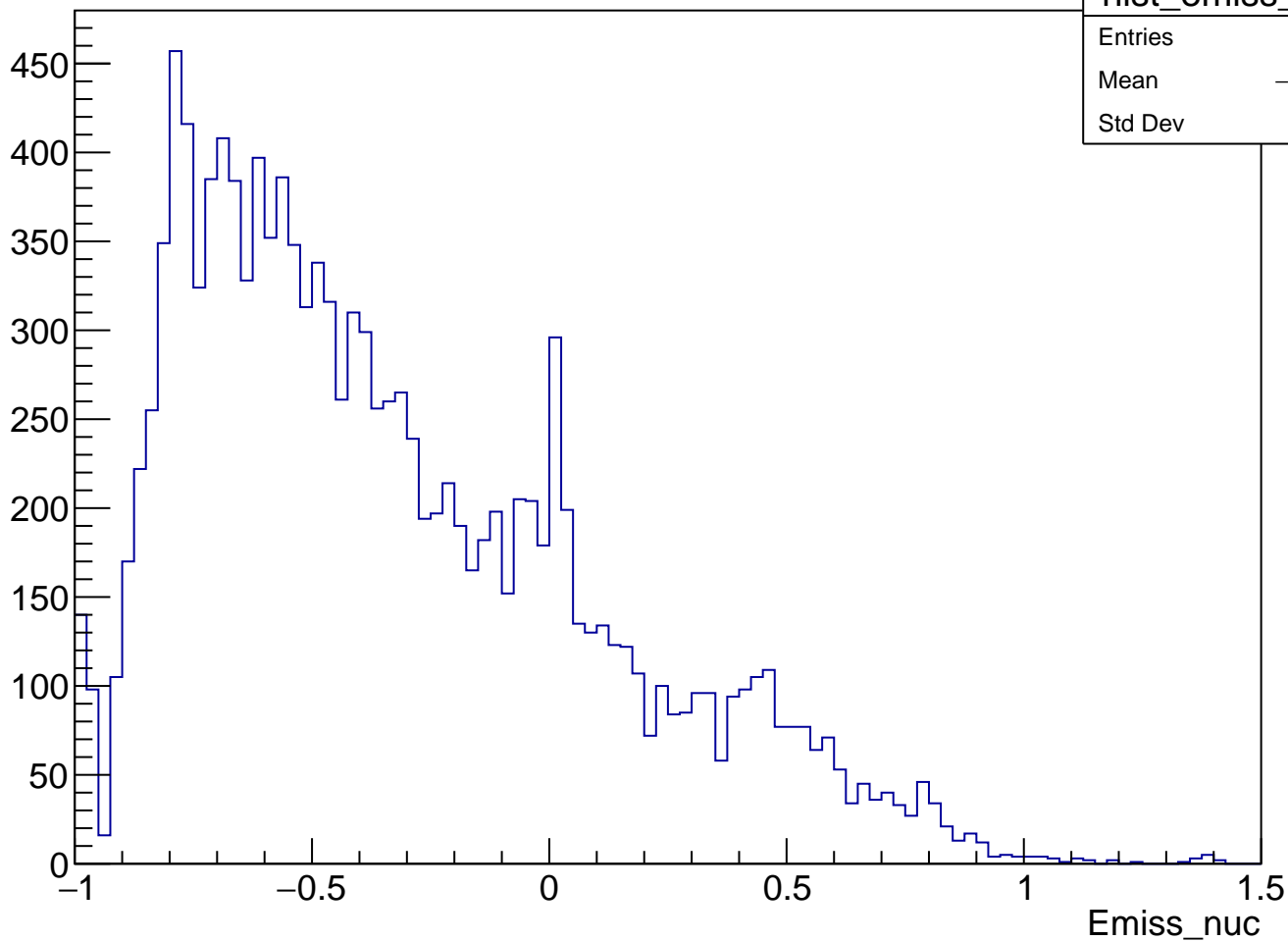


# Run 6179: NPS.kin.secondary.emiss



# Run 6179: NPS.kin.secondary.emiss\_nuc

Counts



hist\_emiss\_nuc

Entries 35501

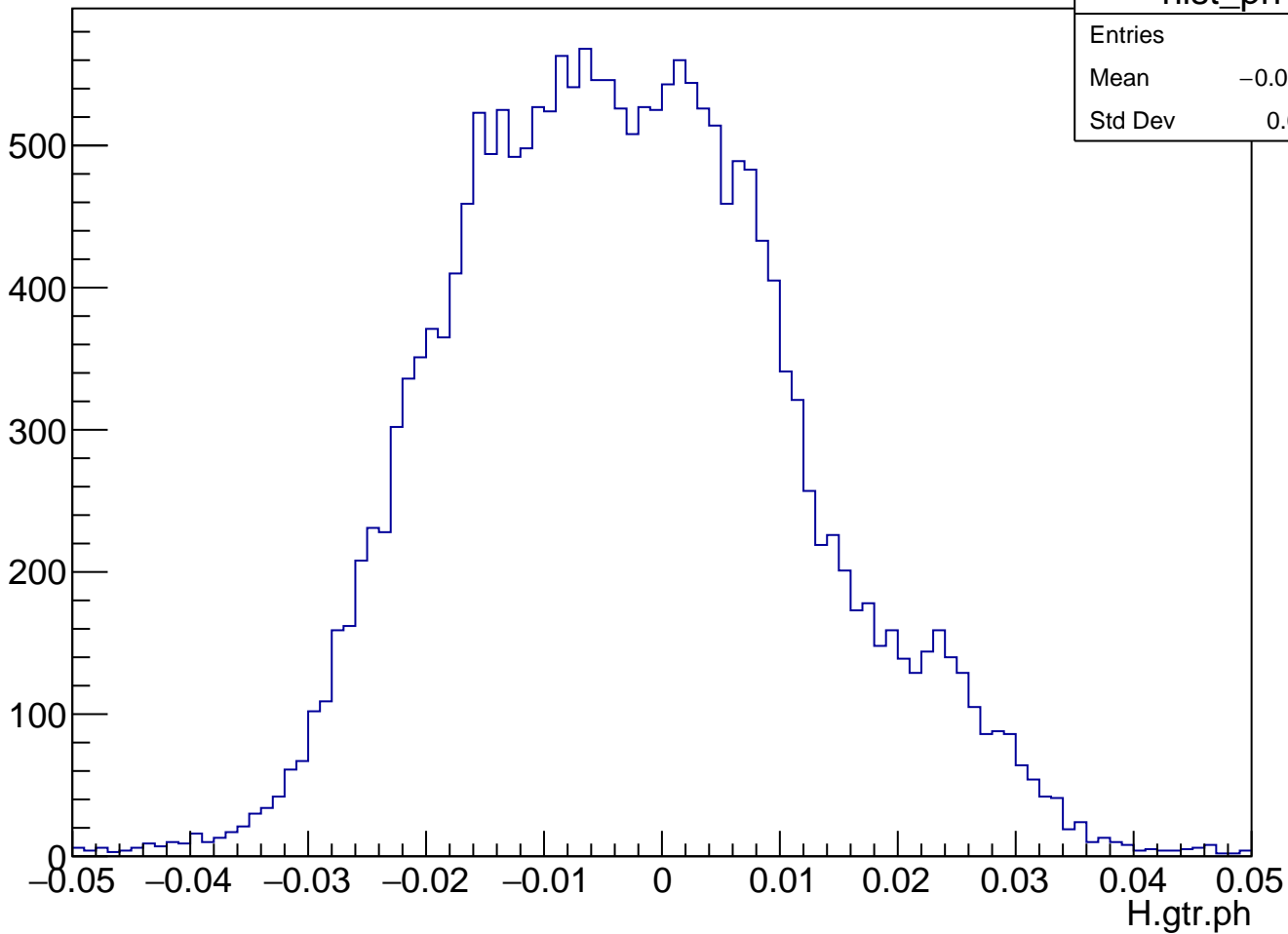
Mean -0.3272

Std Dev 0.4326



# Run 6179: H.gtr.ph

Counts



hist\_ph

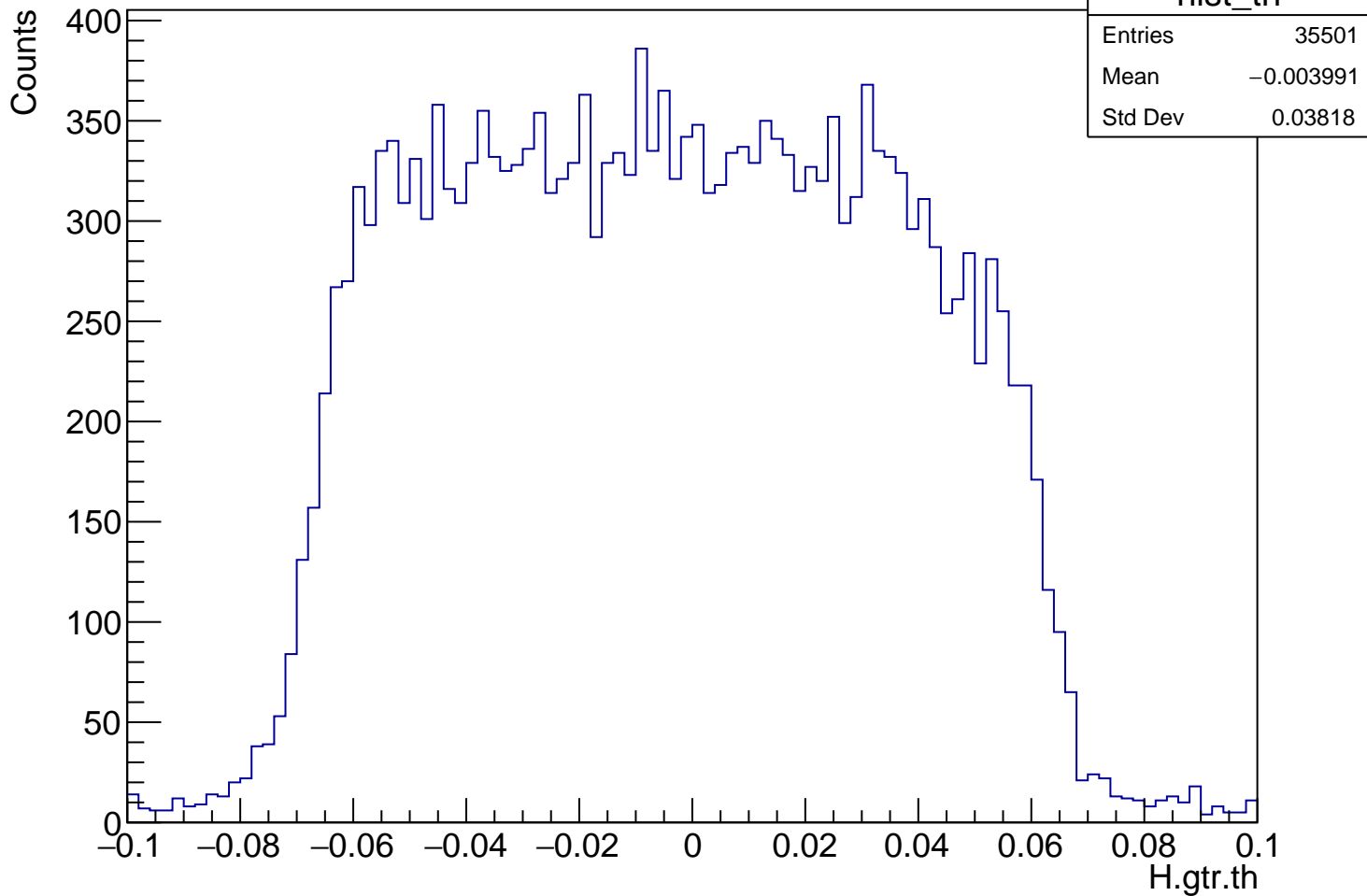
Entries 35501

Mean -0.003054

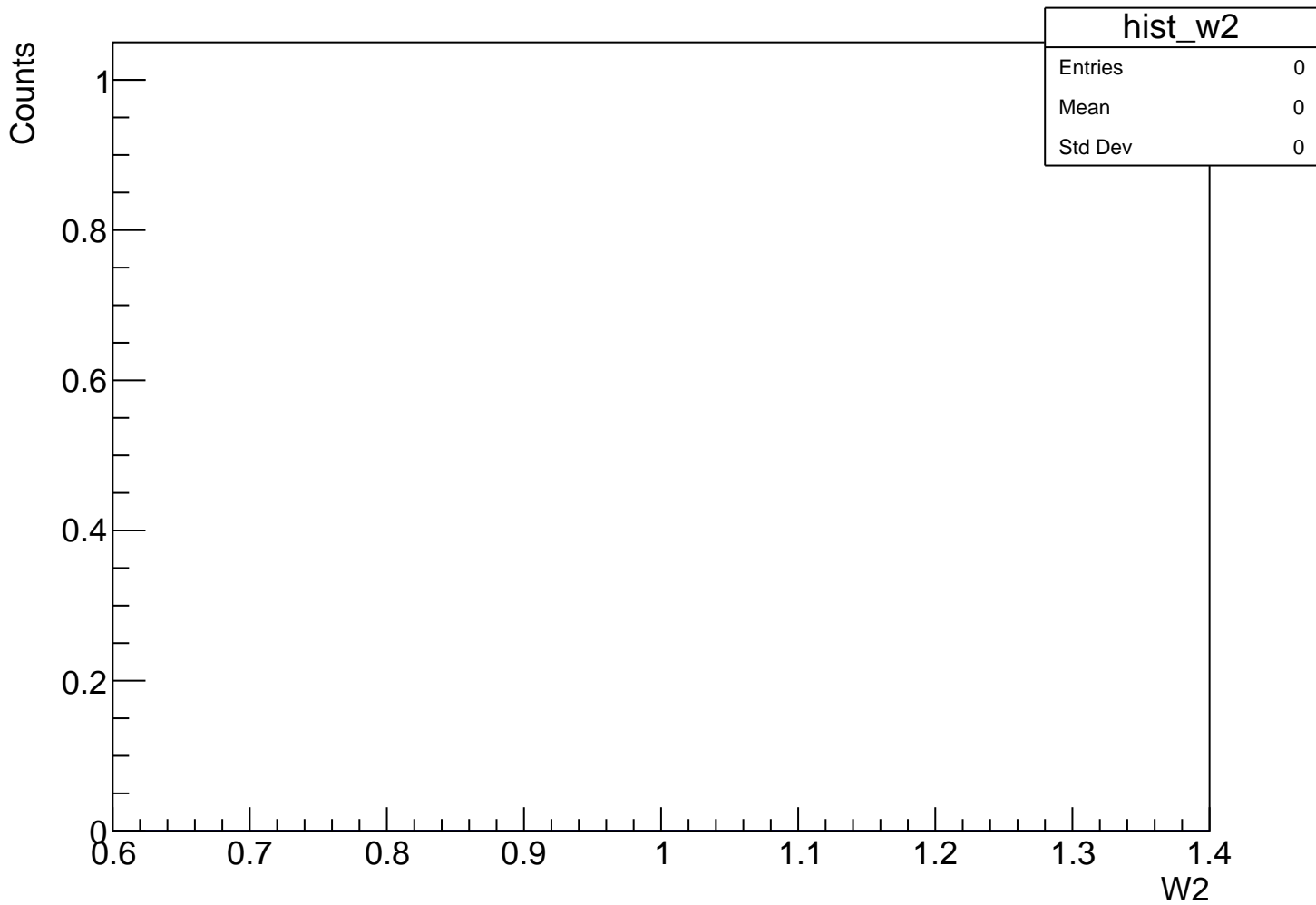
Std Dev 0.01456

H.gtr.ph

# Run 6179: H.gtr.th



# Run 6180: H.kin.W2



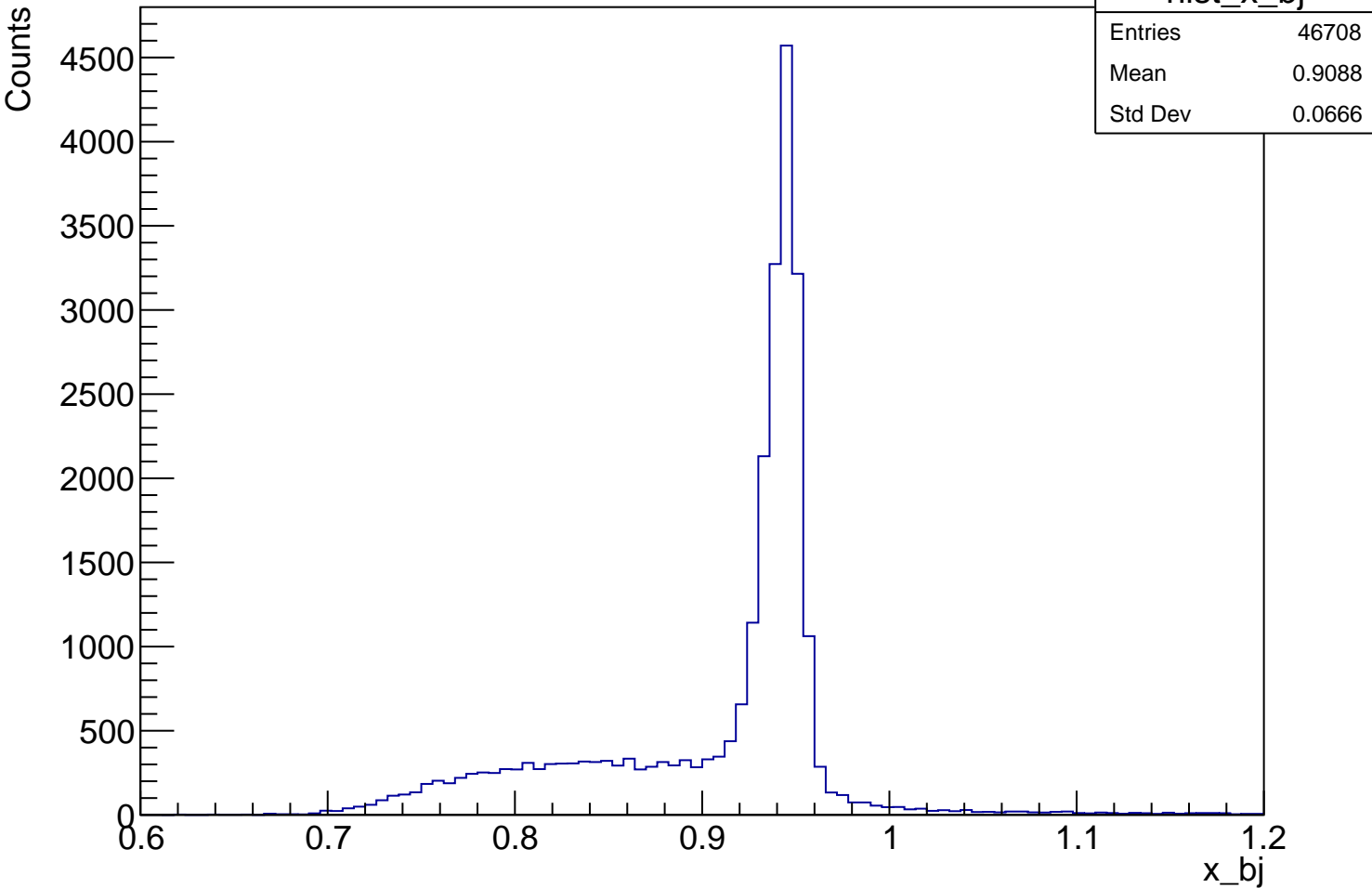
# Run 6180: H.kin.x\_bj

Counts

4500  
4000  
3500  
3000  
2500  
2000  
1500  
1000  
500  
0

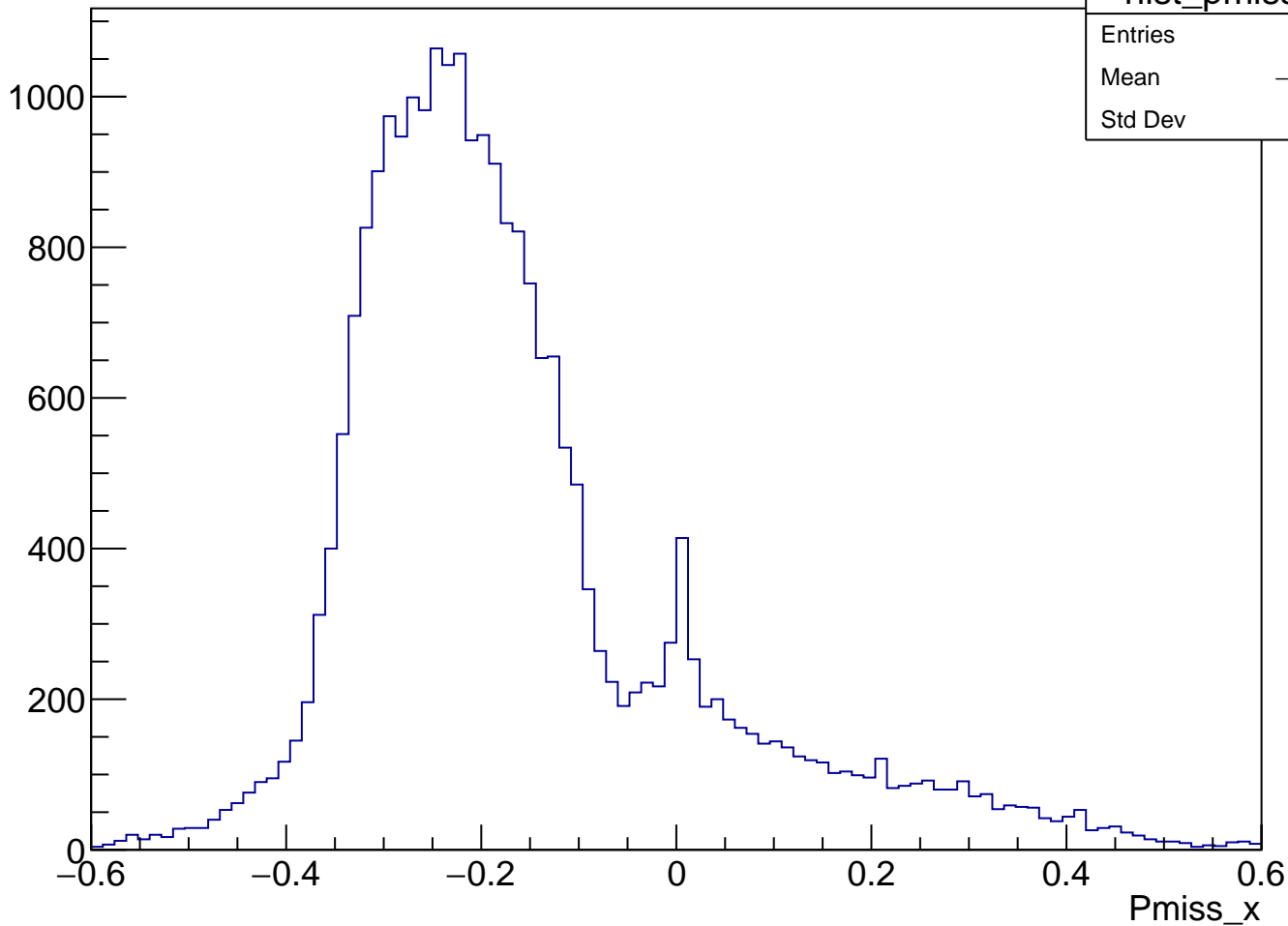
hist_x_bj	
Entries	46708
Mean	0.9088
Std Dev	0.0666

0.6 0.7 0.8 0.9 1 1.1 1.2  
x\_bj

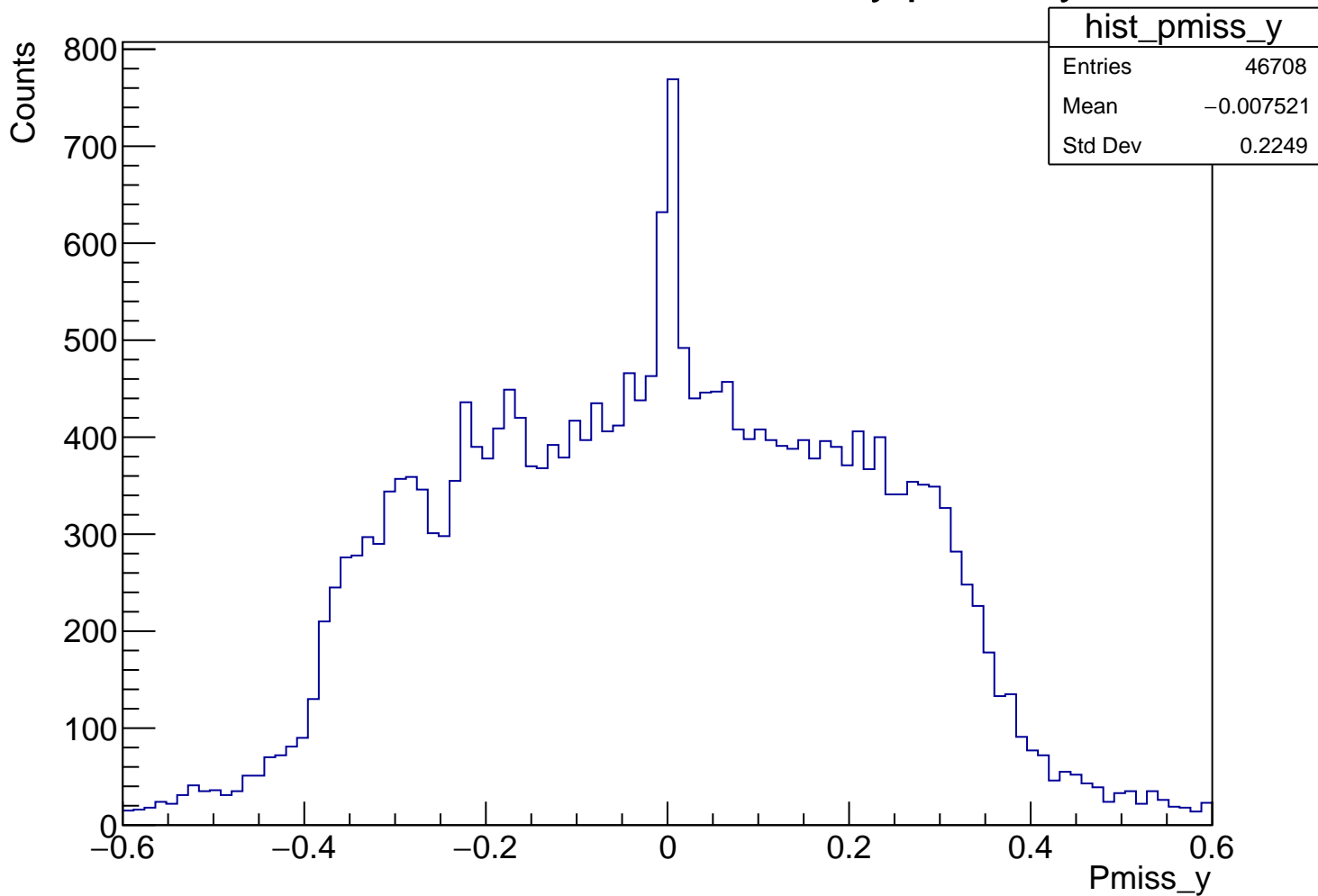


# Run 6180: NPS.kin.secondary.pmiss\_x

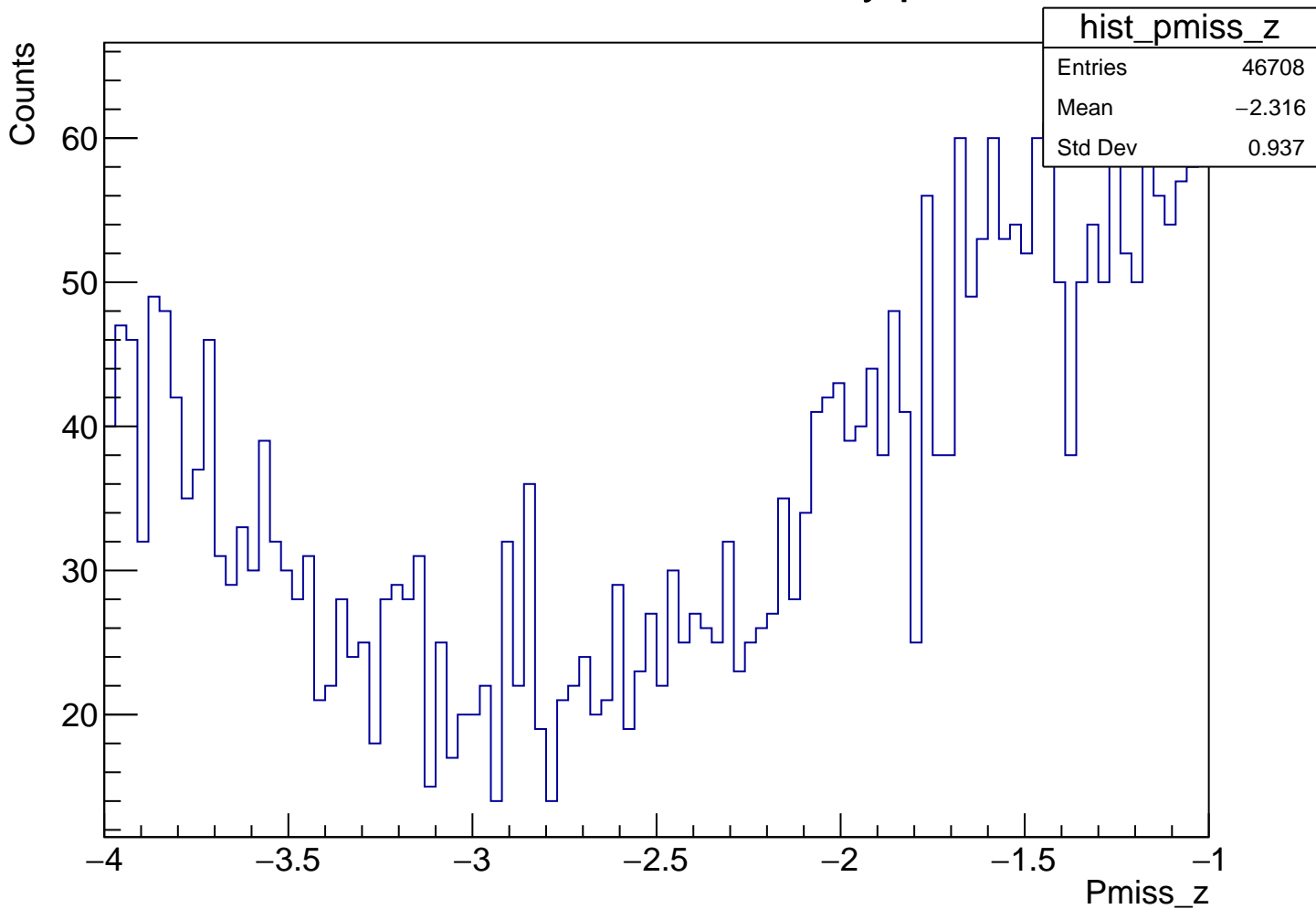
Counts



# Run 6180: NPS.kin.secondary.pmiss\_y

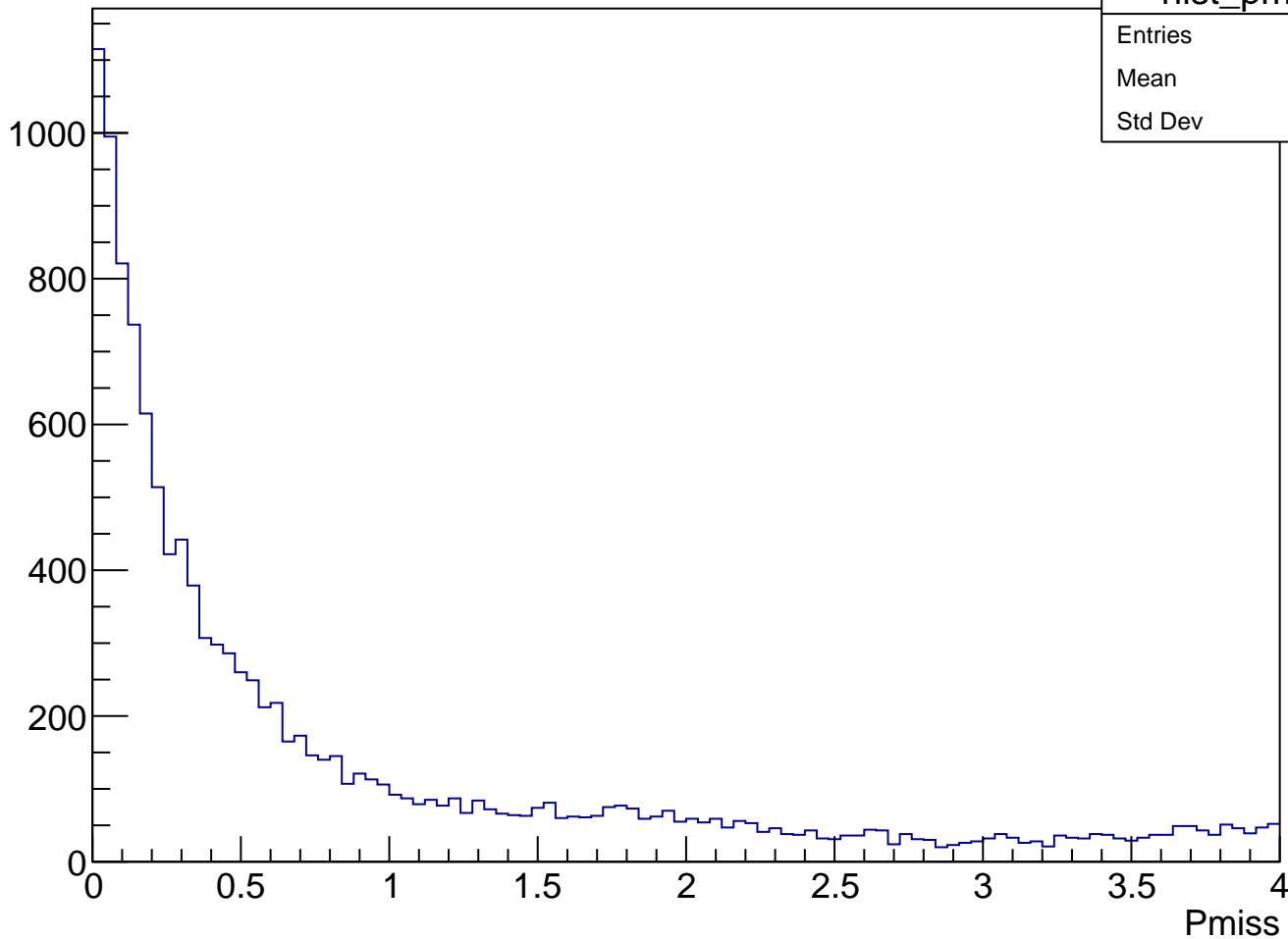


# Run 6180: NPS.kin.secondary.pmiss\_z



# Run 6180: NPS.kin.secondary.pmiss

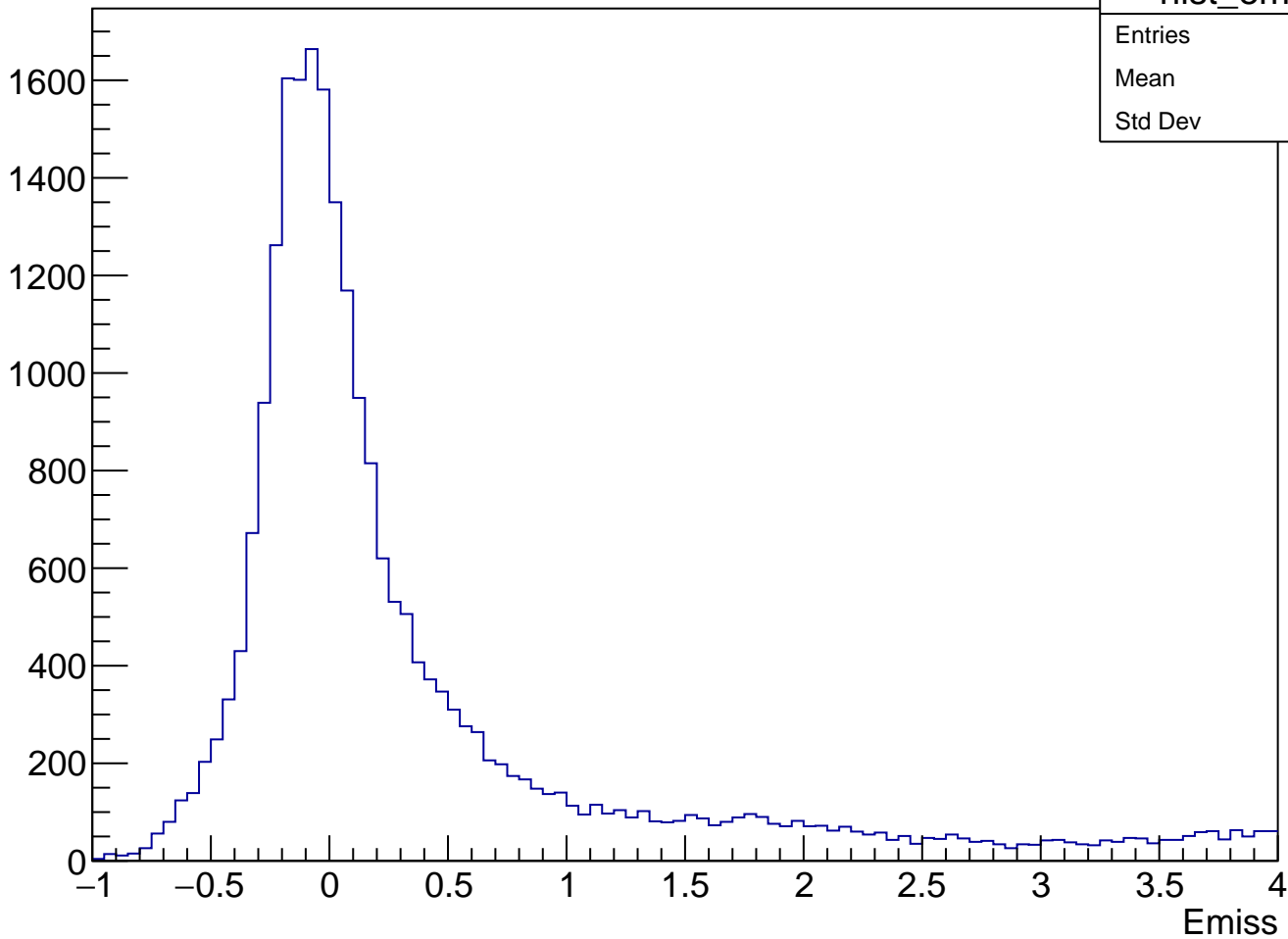
Counts





# Run 6180: NPS.kin.secondary.emiss

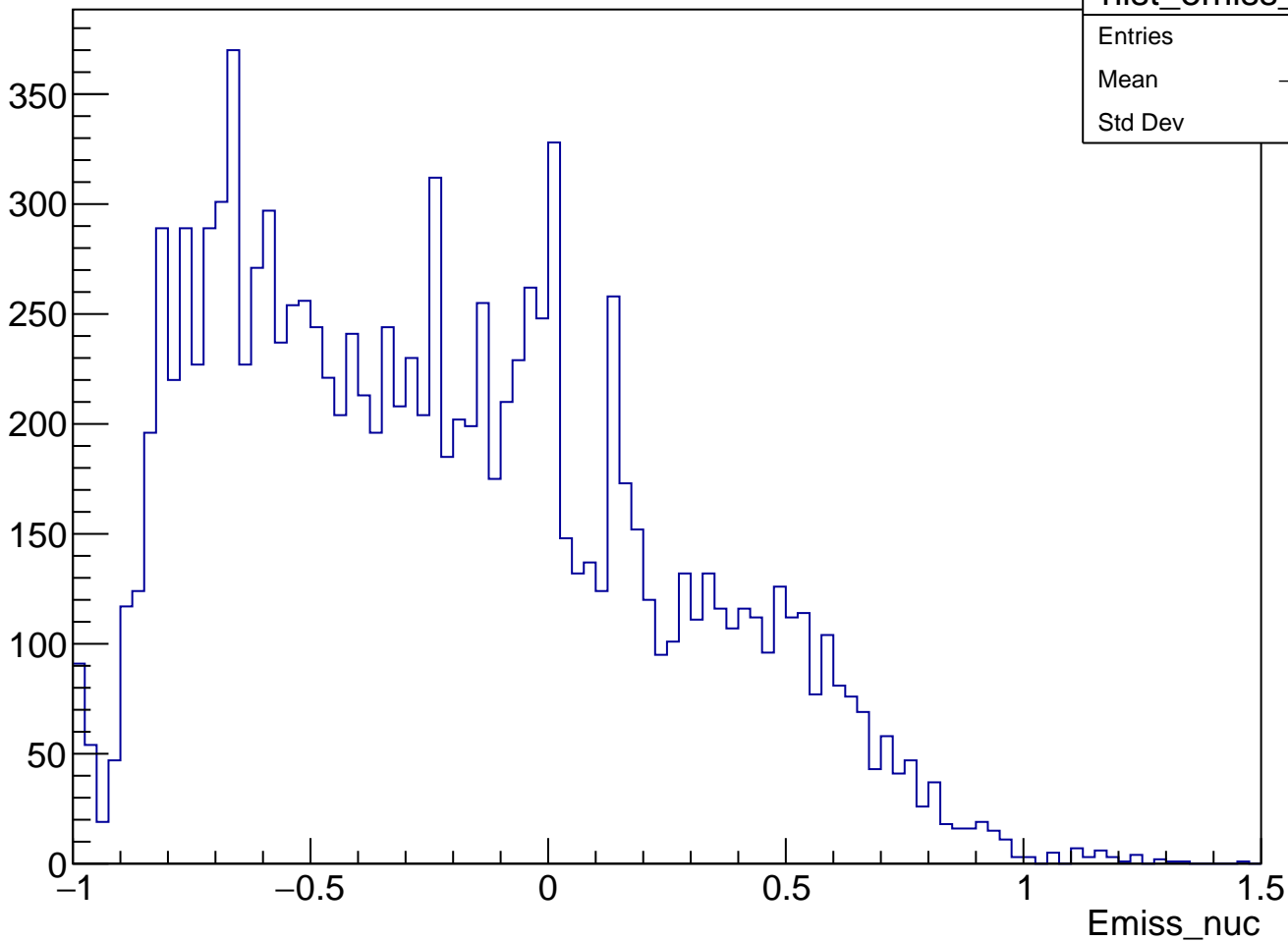
Counts



Emiss

# Run 6180: NPS.kin.secondary.emiss\_nuc

Counts



hist\_emiss\_nuc

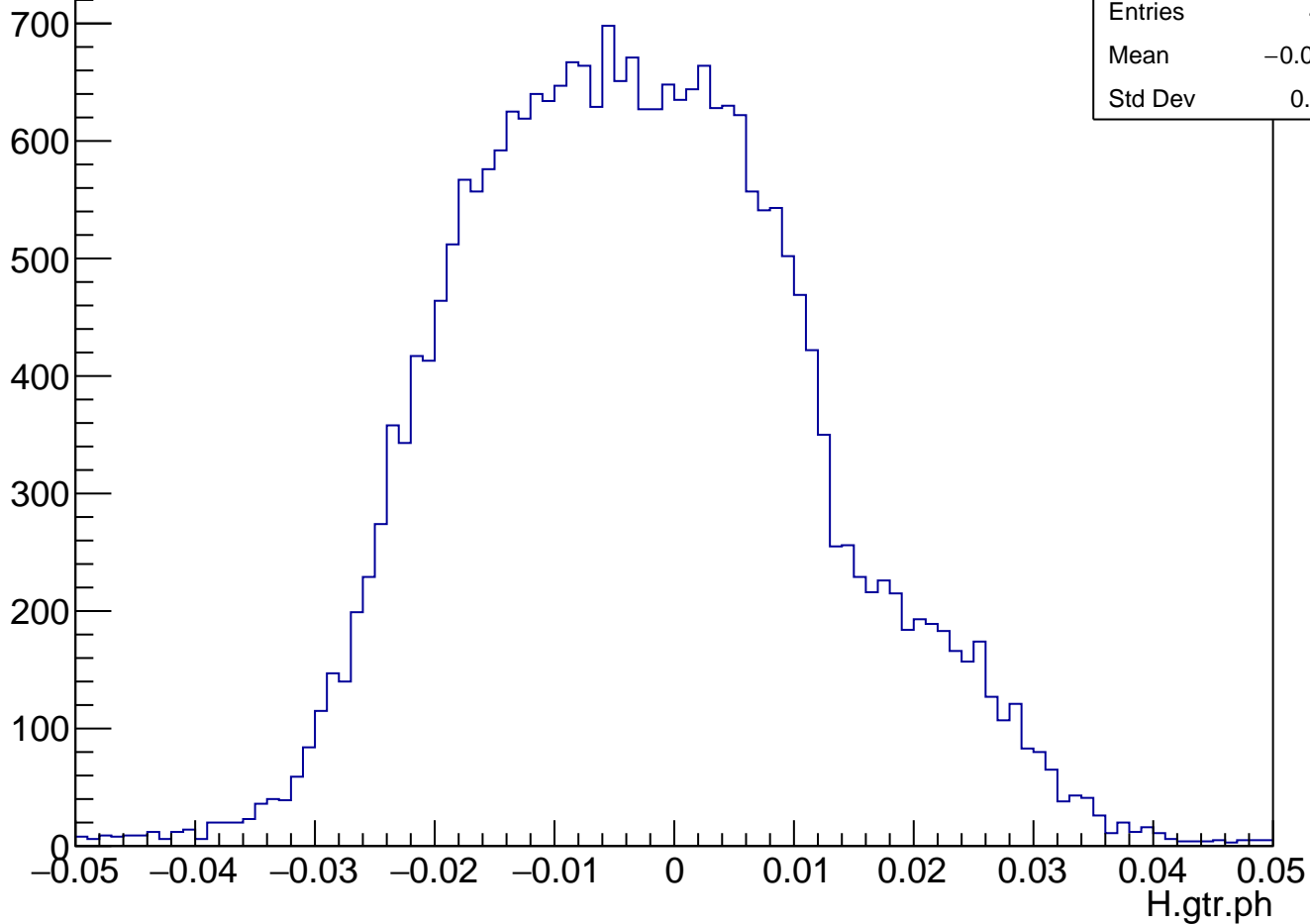
Entries 46708

Mean -0.2191

Std Dev 0.452

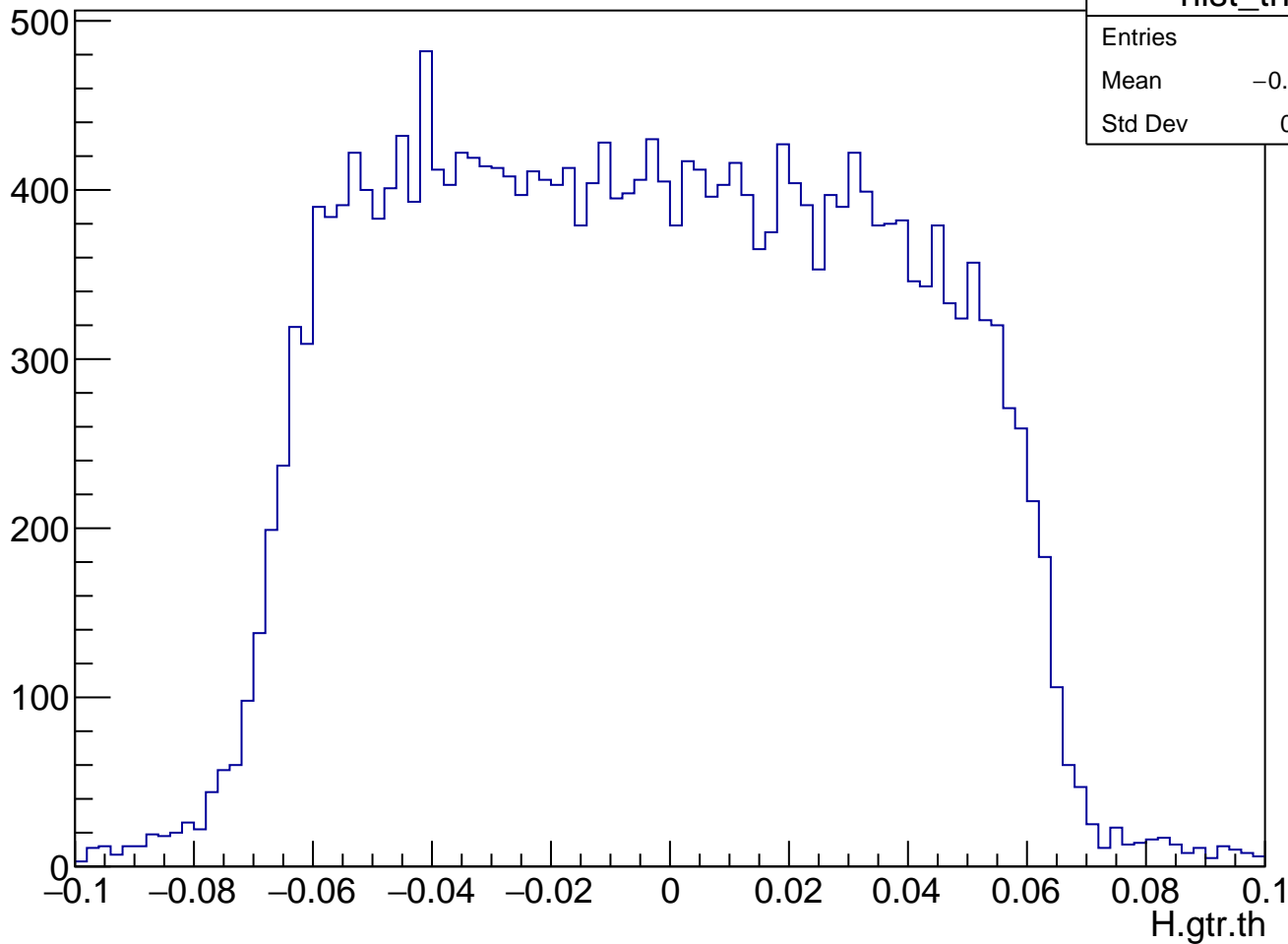
# Run 6180: H.gtr.ph

Counts

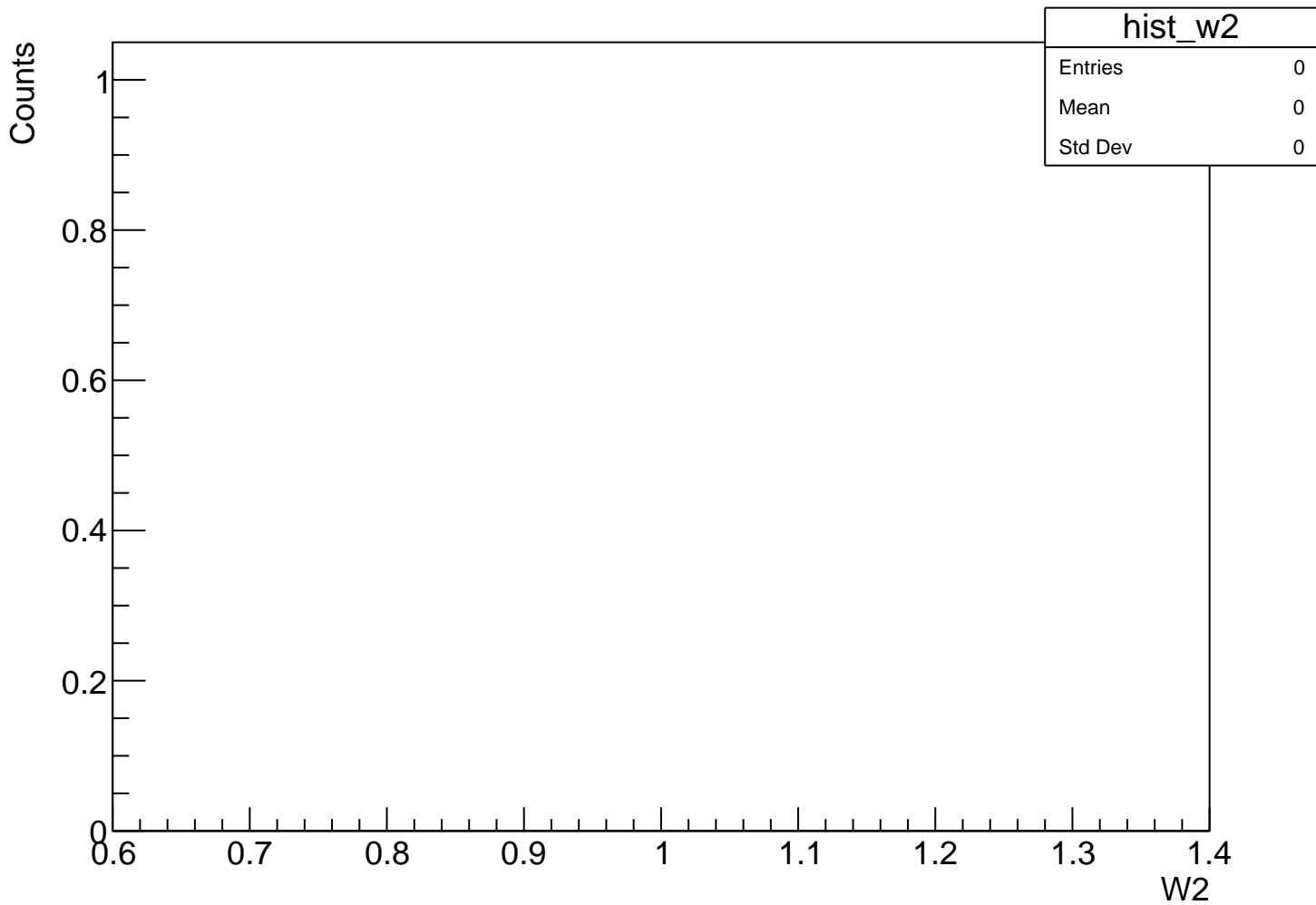


# Run 6180: H.gtr.th

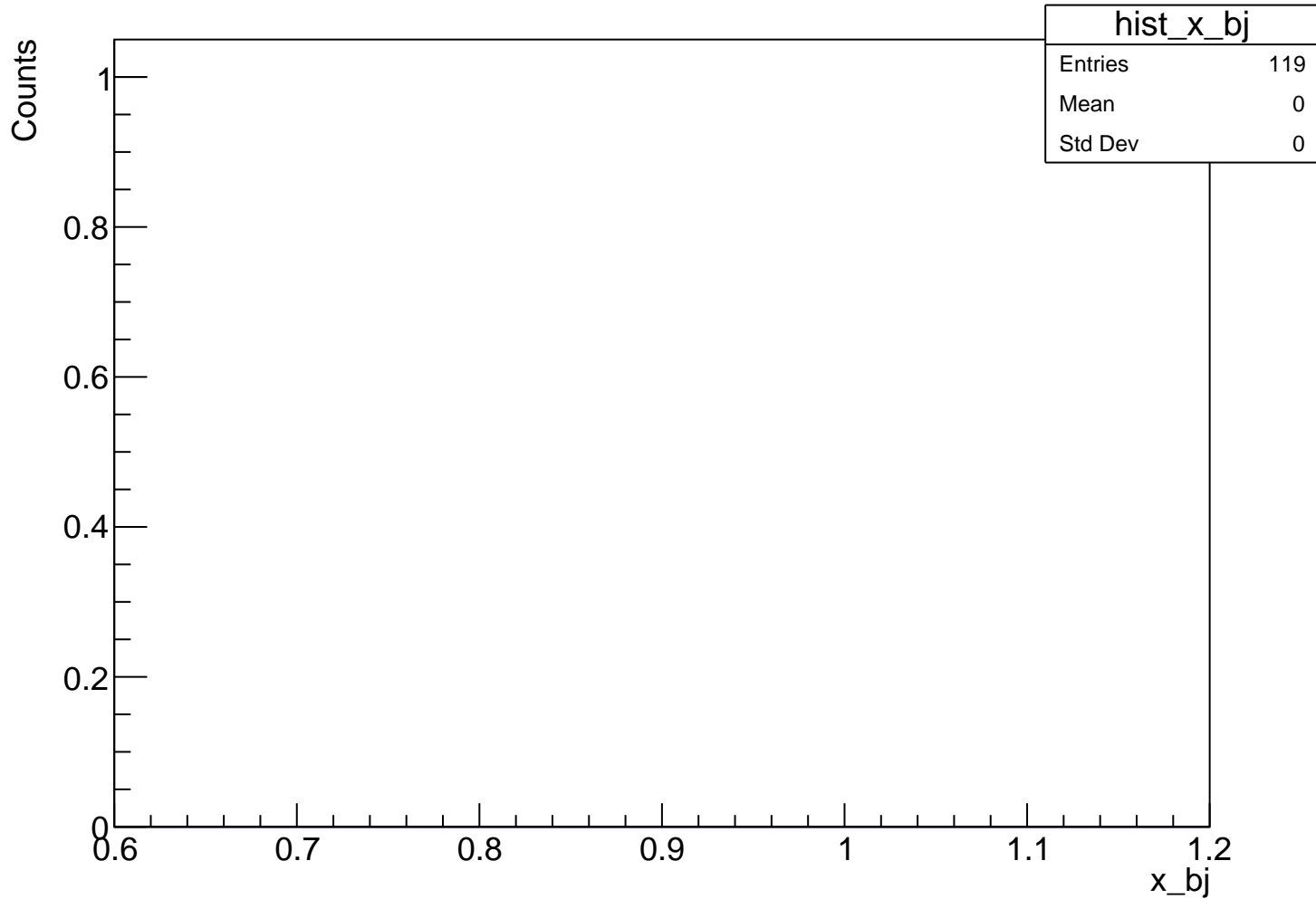
Counts



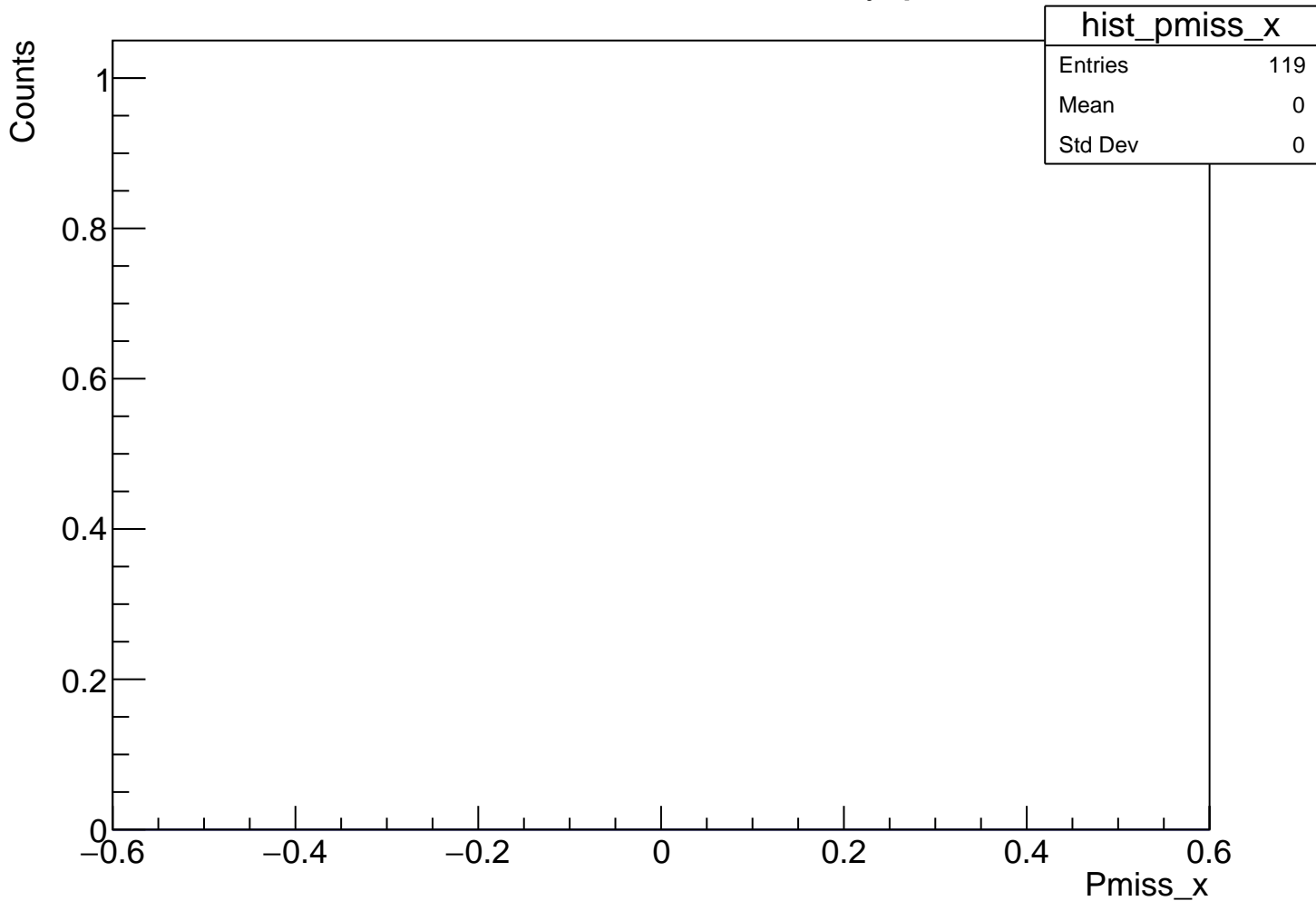
# Run 6181: H.kin.W2



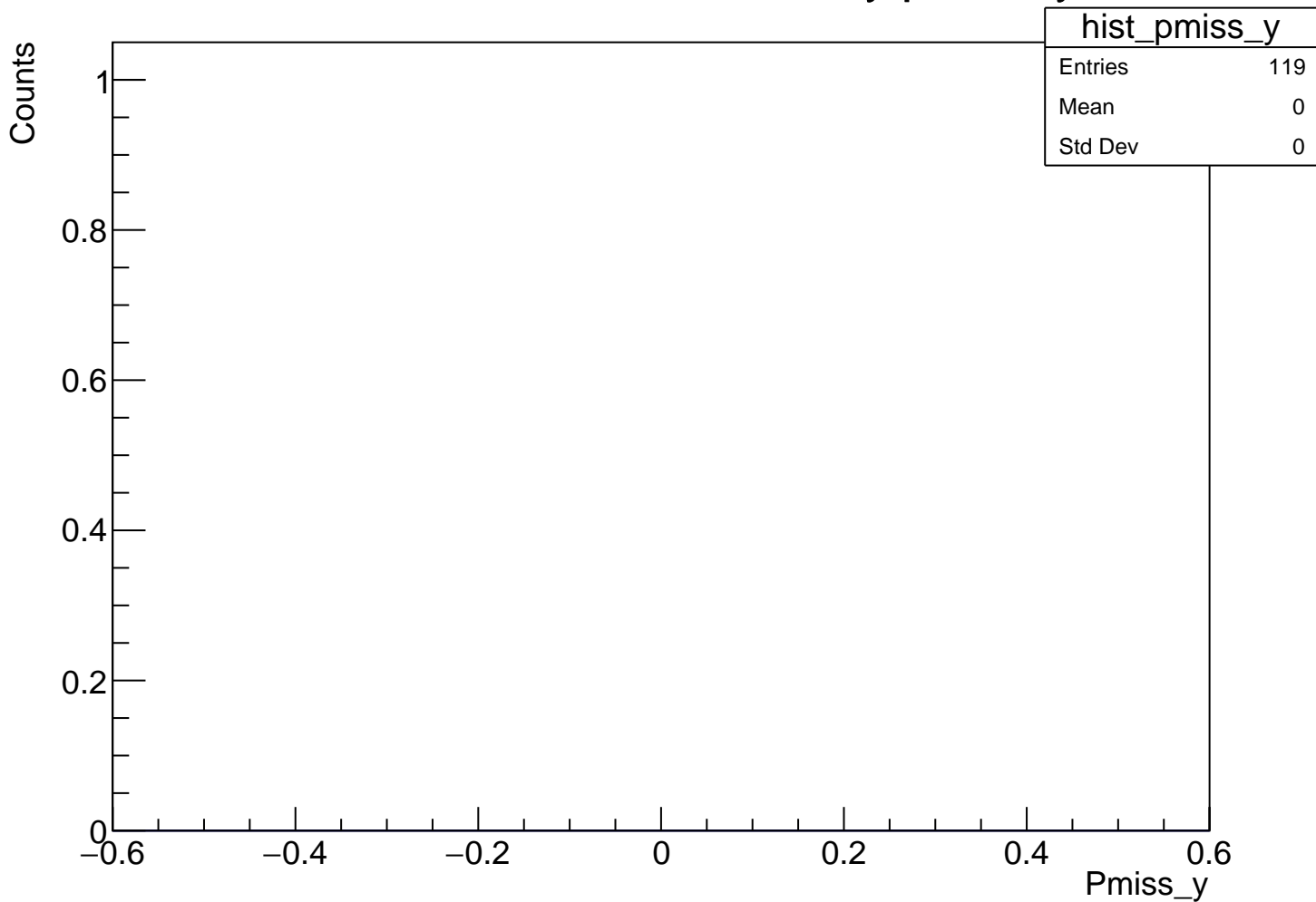
# Run 6181: H.kin.x\_bj



# Run 6181: NPS.kin.secondary.pmiss\_x

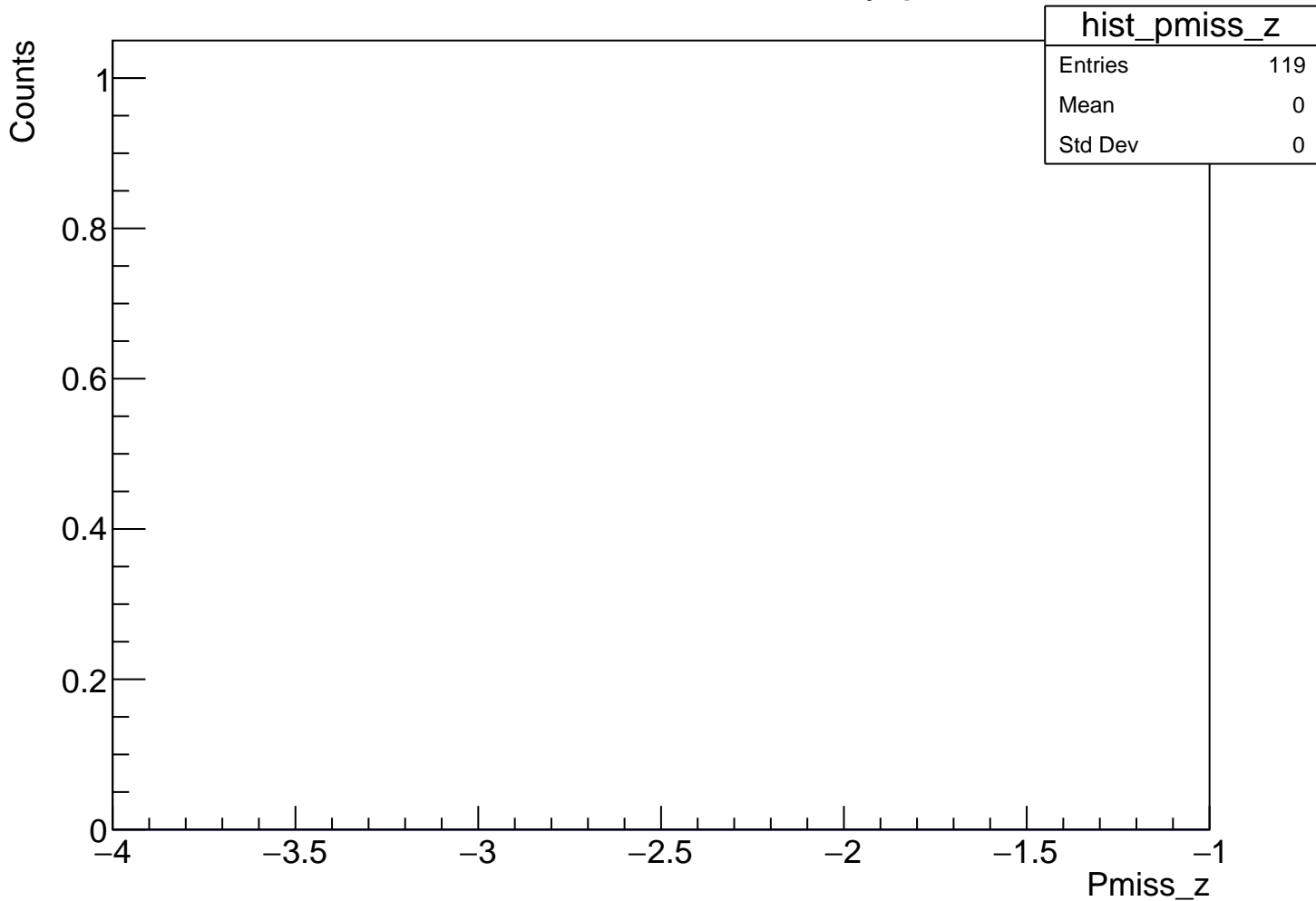


# Run 6181: NPS.kin.secondary.pmiss\_y





# Run 6181: NPS.kin.secondary.pmiss\_z



# Run 6181: NPS.kin.secondary.pmiss

Counts

1  
0.8  
0.6  
0.4  
0.2  
0

0 0.5 1 1.5 2 2.5 3 3.5 4

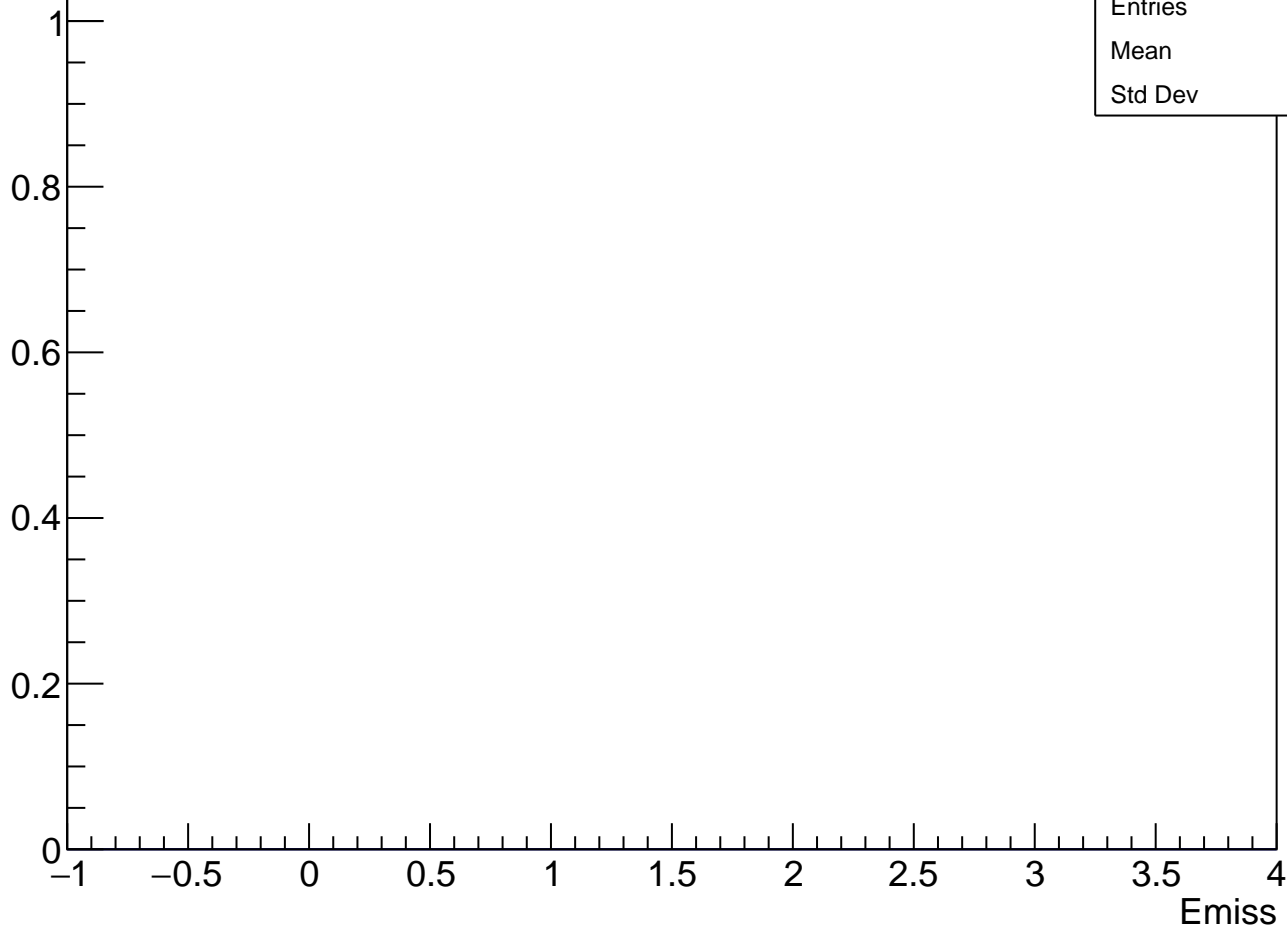
Pmiss

hist\_pmiss

Entries	119
Mean	0
Std Dev	0

# Run 6181: NPS.kin.secondary.emiss

Counts



hist\_emiss

Entries	119
Mean	0
Std Dev	0

# Run 6181: NPS.kin.secondary.emiss\_nuc

Counts

120  
100  
80  
60  
40  
20  
0

-1

-0.5

0

0.5

1

1.5

Emiss\_nuc

hist_emiss_nuc	
Entries	119
Mean	-2.353e-185
Std Dev	0

# Run 6181: H.gtr.ph

Counts

1

0.8

0.6

0.4

0.2

0

-0.05 -0.04 -0.03 -0.02 -0.01 0 0.01 0.02 0.03 0.04 0.05

hist\_ph

Entries	119
Mean	0
Std Dev	0

H.gtr.ph

# Run 6181: H.gtr.th

Counts

1  
0.8  
0.6  
0.4  
0.2  
0

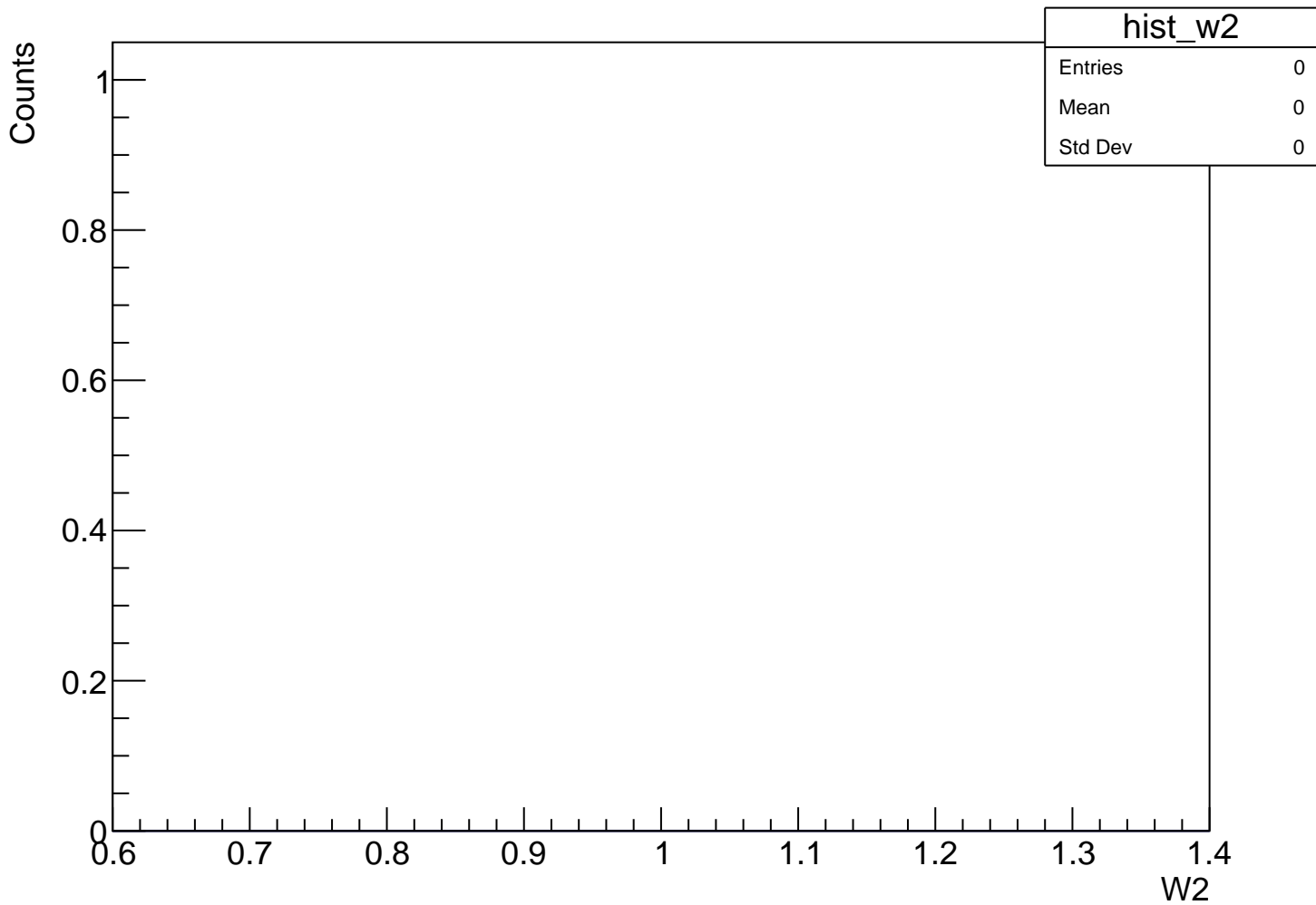
-0.1 -0.08 -0.06 -0.04 -0.02 0 0.02 0.04 0.06 0.08 0.1

H.gtr.th

hist\_th

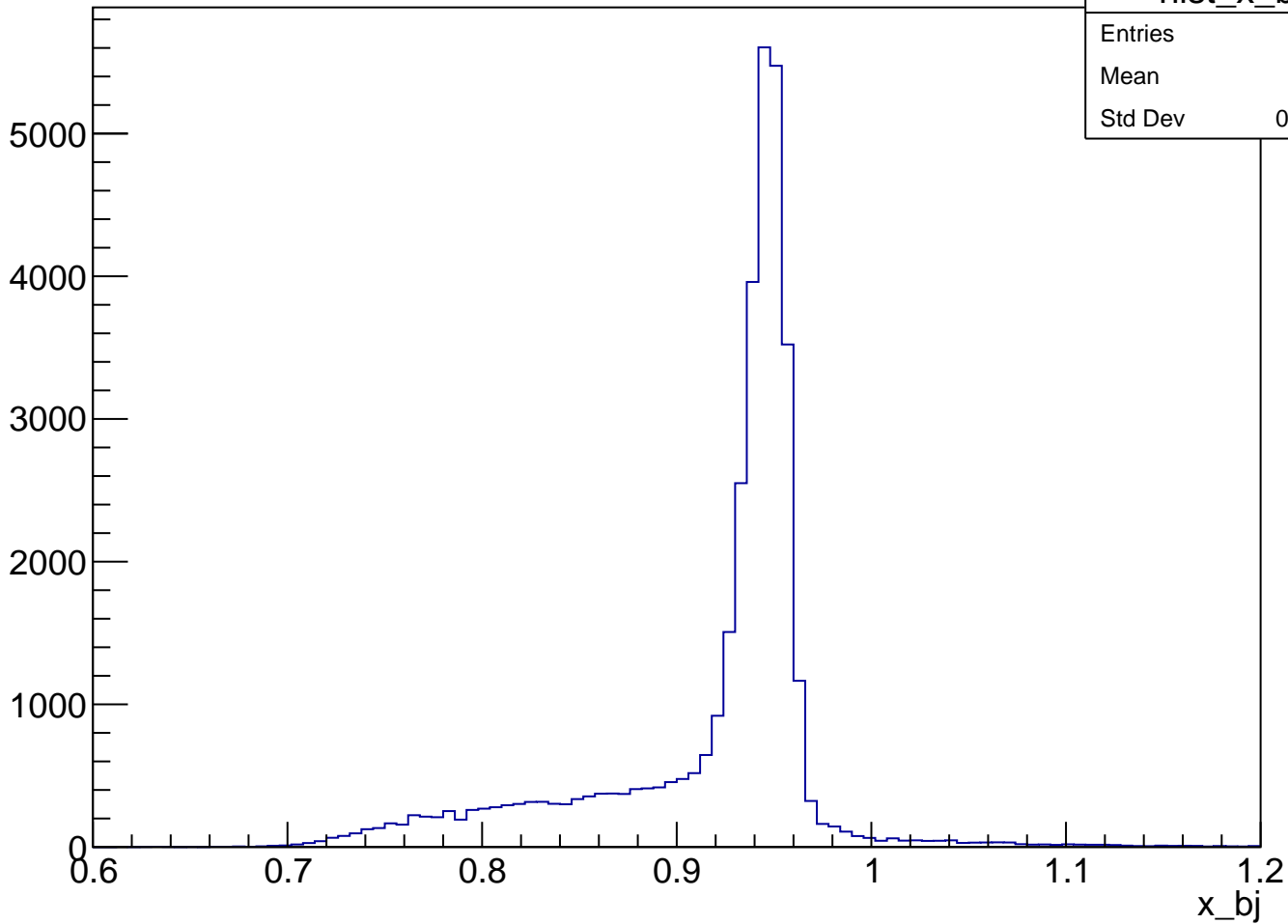
Entries	119
Mean	0
Std Dev	0

# Run 6182: H.kin.W2



# Run 6182: H.kin.x\_bj

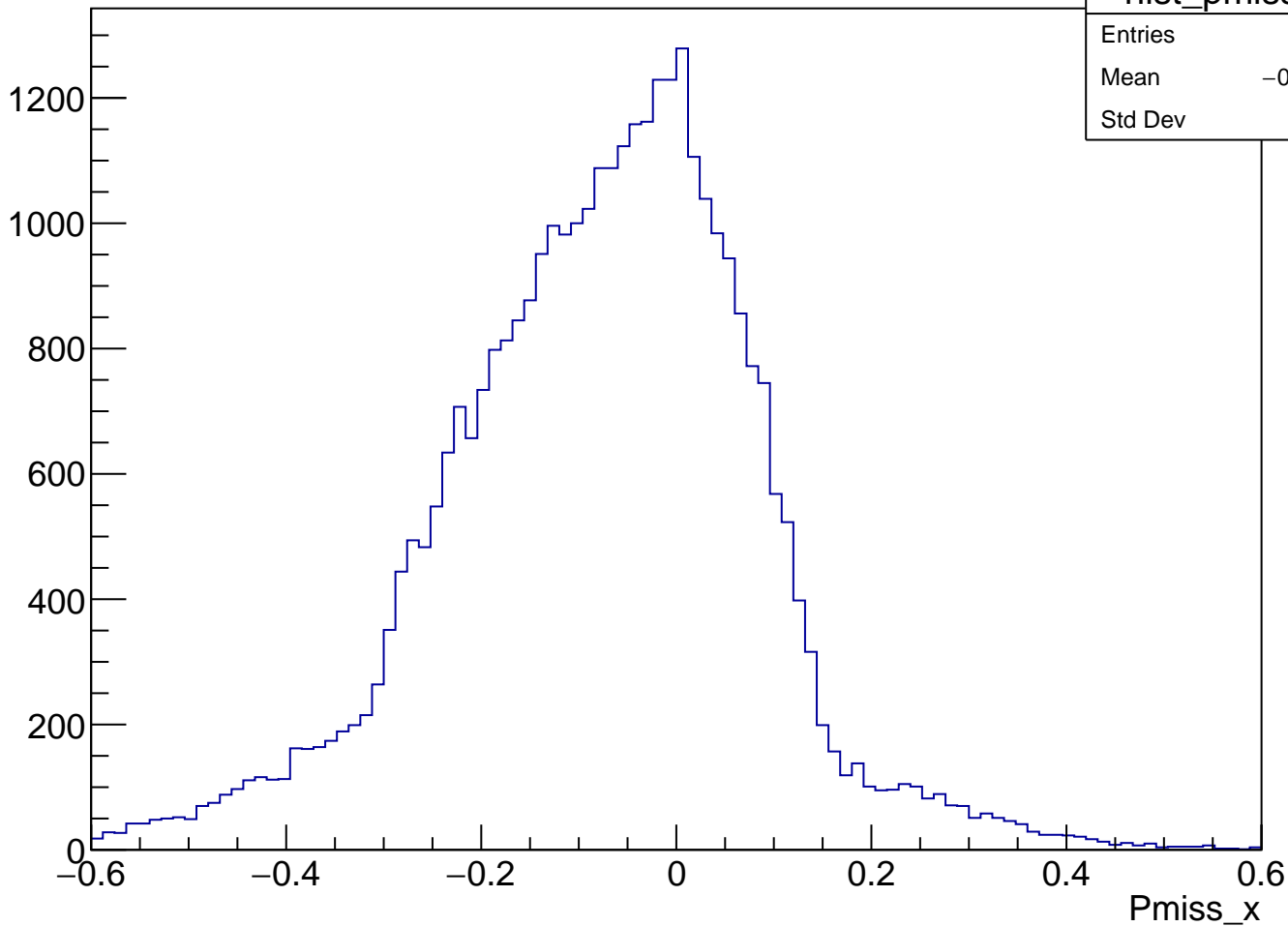
Counts





# Run 6182: NPS.kin.secondary.pmiss\_x

Counts

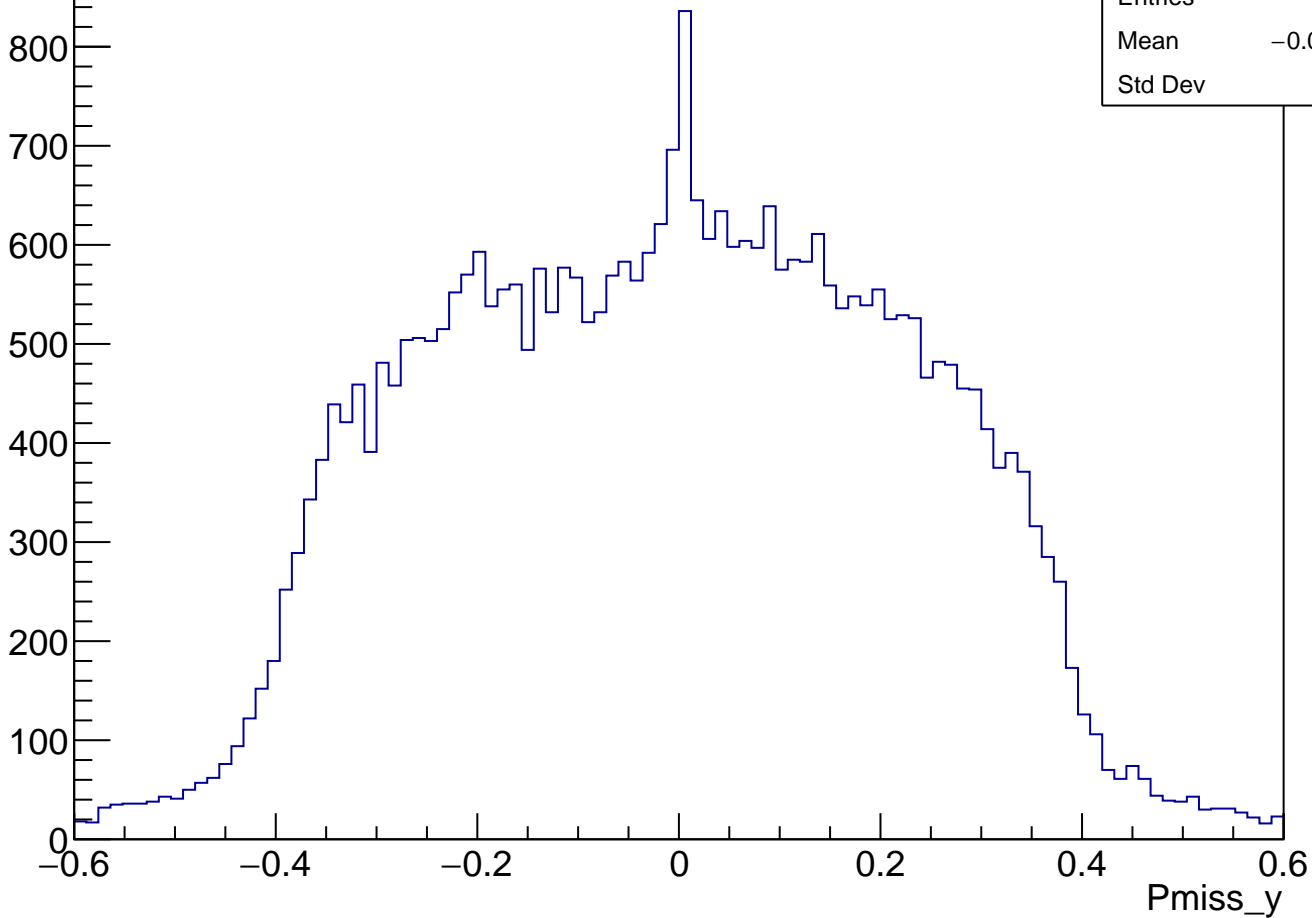


# Run 6182: NPS.kin.secondary.pmiss\_y

Counts

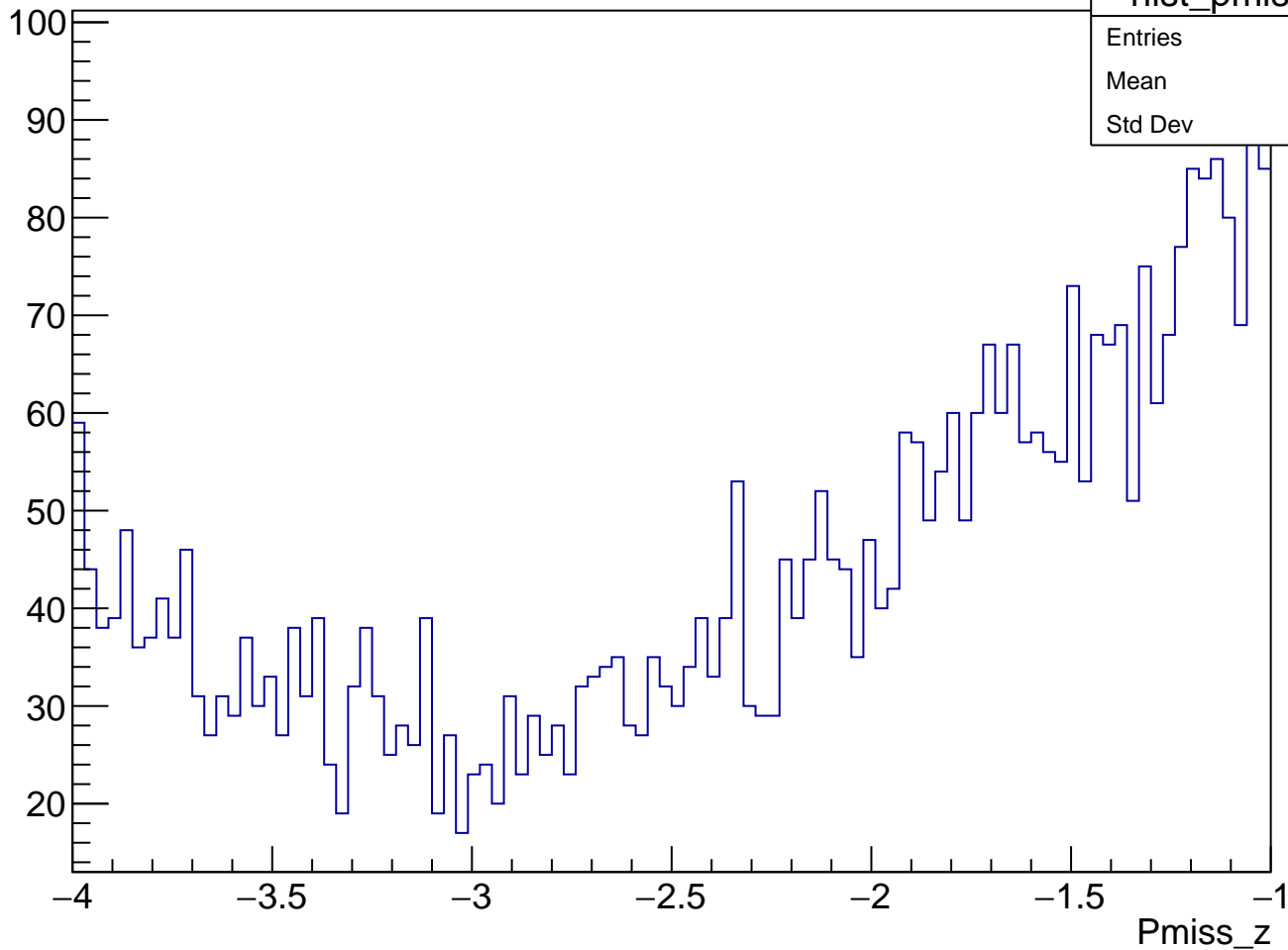
hist\_pmiss\_y

Entries	55730
Mean	-0.007319
Std Dev	0.2284



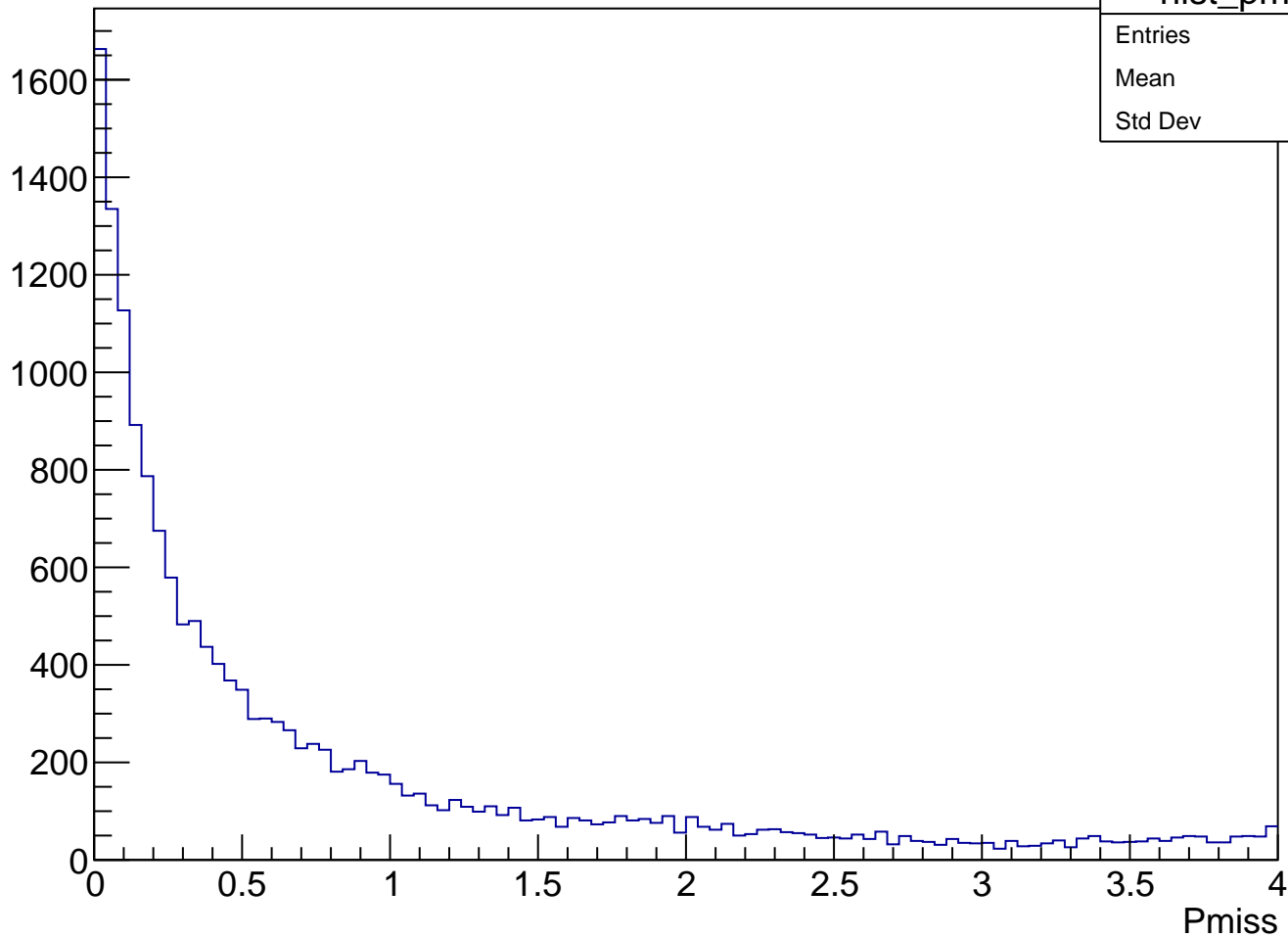
# Run 6182: NPS.kin.secondary.pmiss\_z

Counts



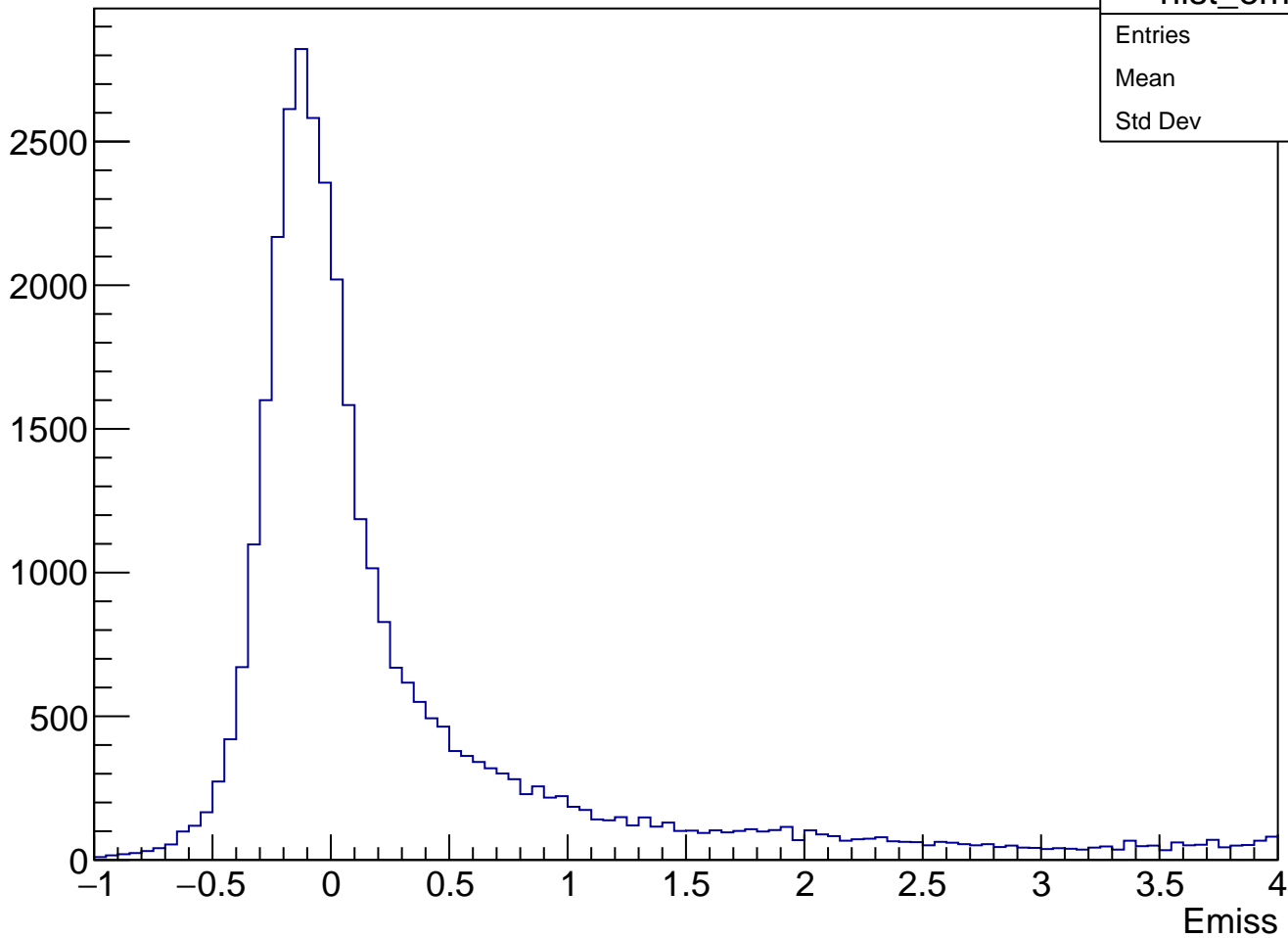
# Run 6182: NPS.kin.secondary.pmiss

Counts



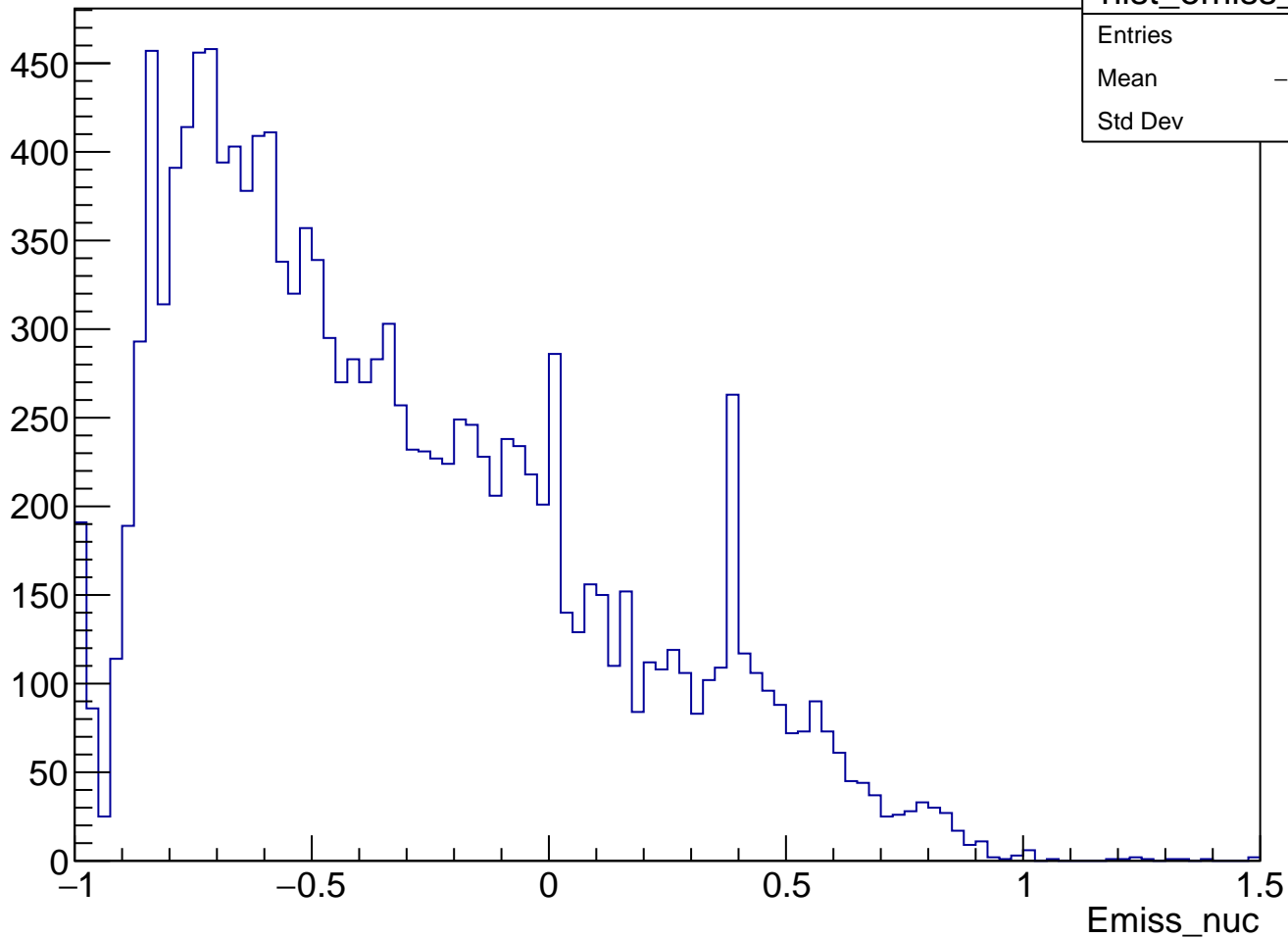
# Run 6182: NPS.kin.secondary.emiss

Counts



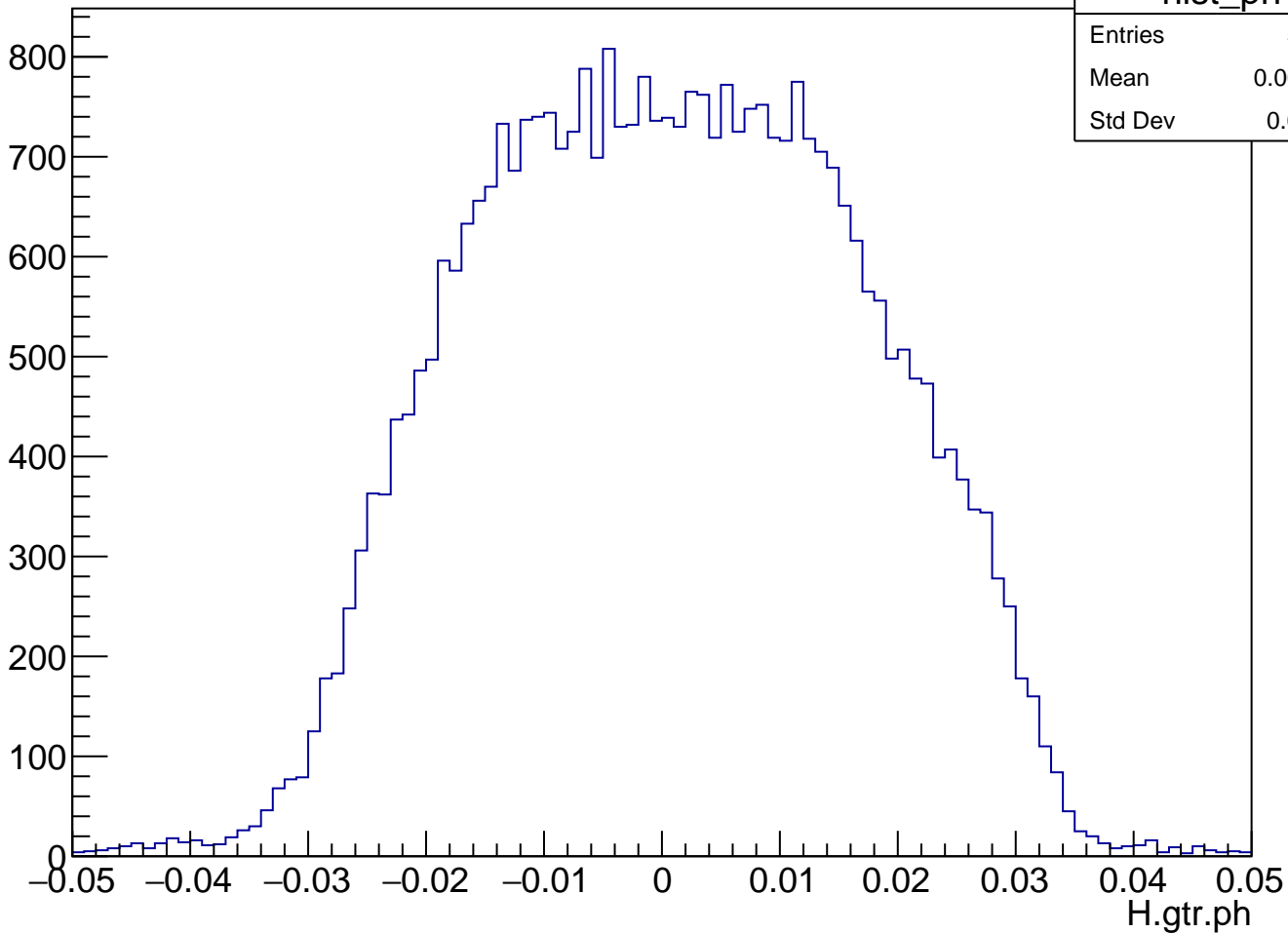
# Run 6182: NPS.kin.secondary.emiss\_nuc

Counts



# Run 6182: H.gtr.ph

Counts



hist\_ph

Entries 55730

Mean 0.000712

Std Dev 0.01576

H.gtr.ph

# Run 6182: H.gtr.th

hist\_th

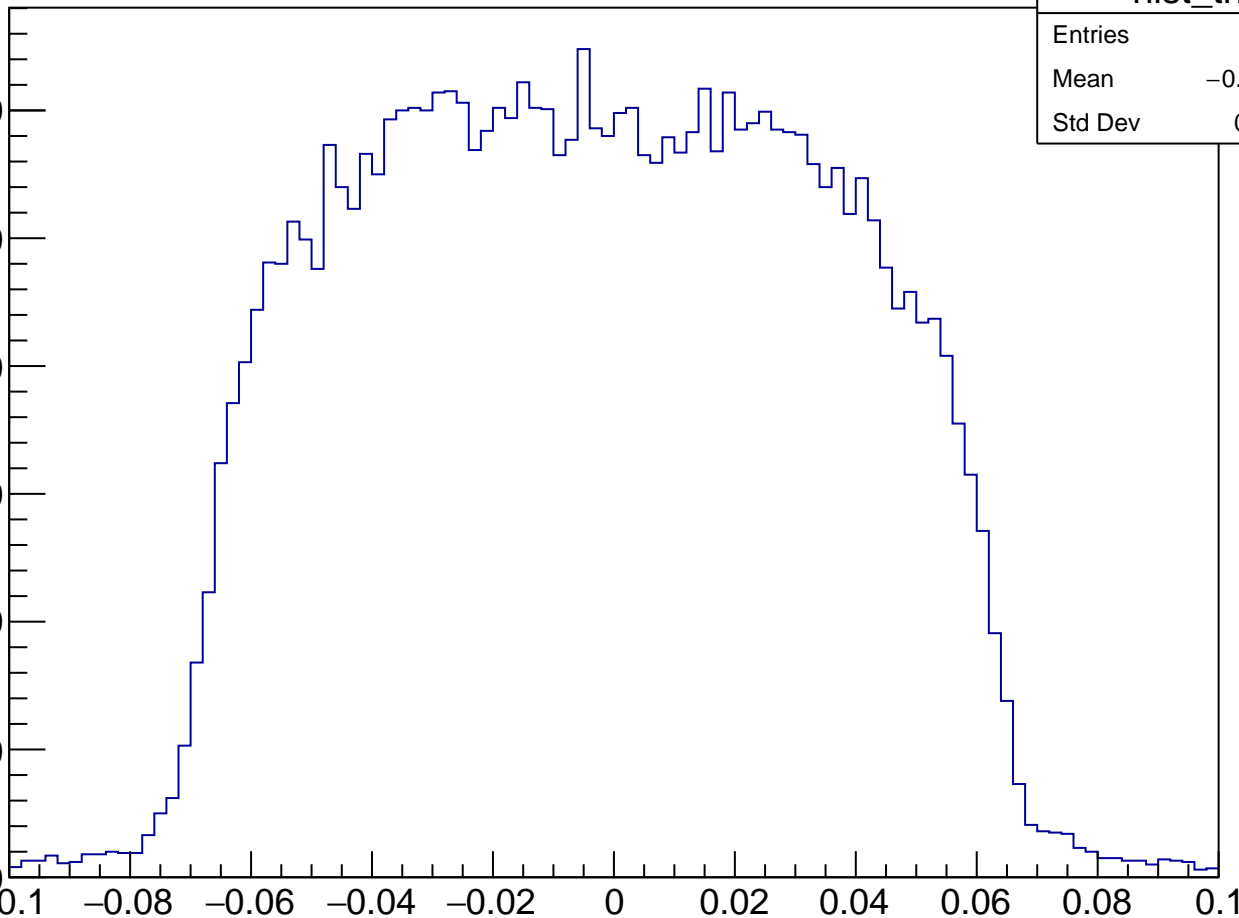
Entries	55730
Mean	-0.003016
Std Dev	0.03694

Counts

600  
500  
400  
300  
200  
100  
0

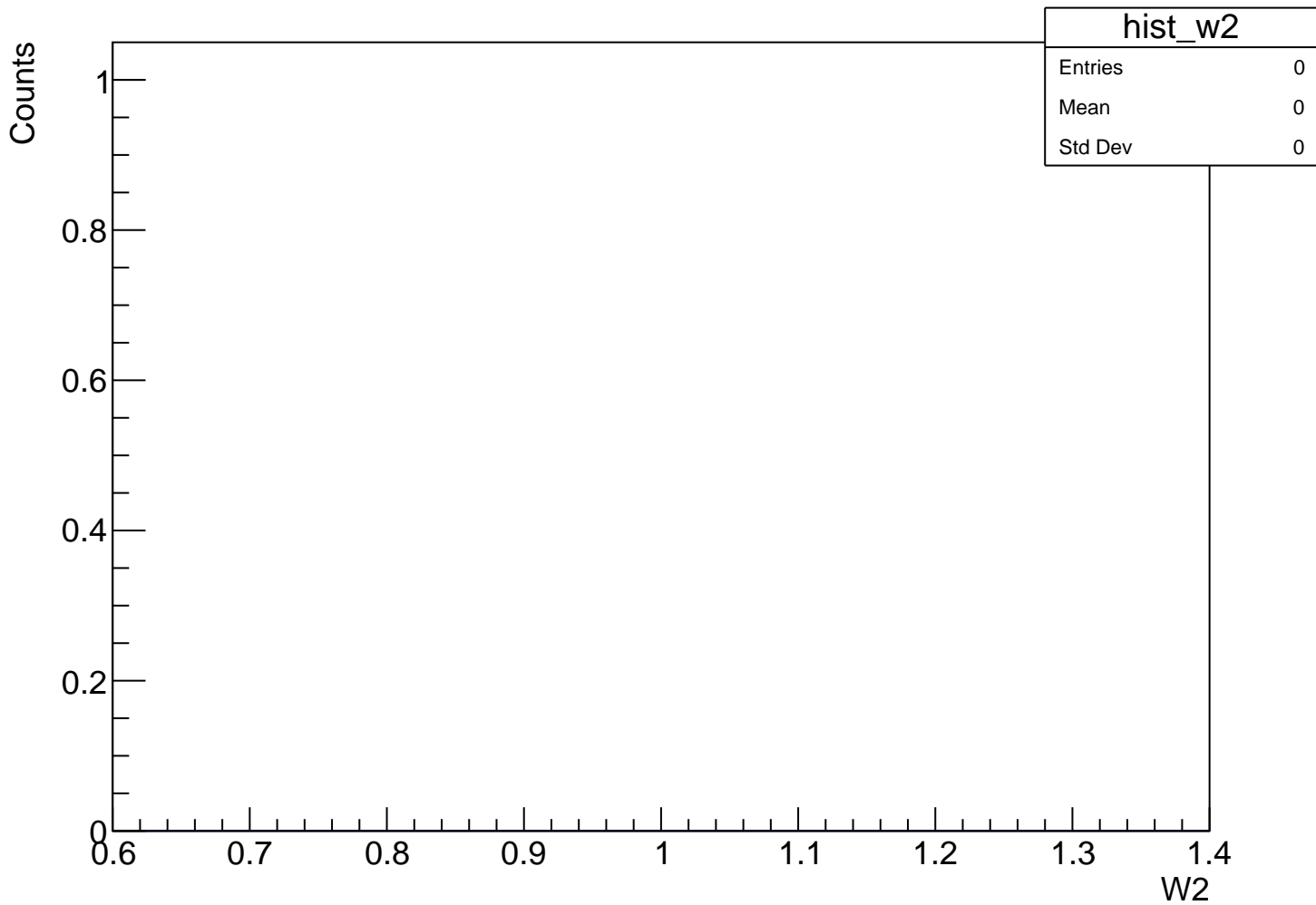
-0.1 -0.08 -0.06 -0.04 -0.02 0 0.02 0.04 0.06 0.08 0.1

H.gtr.th

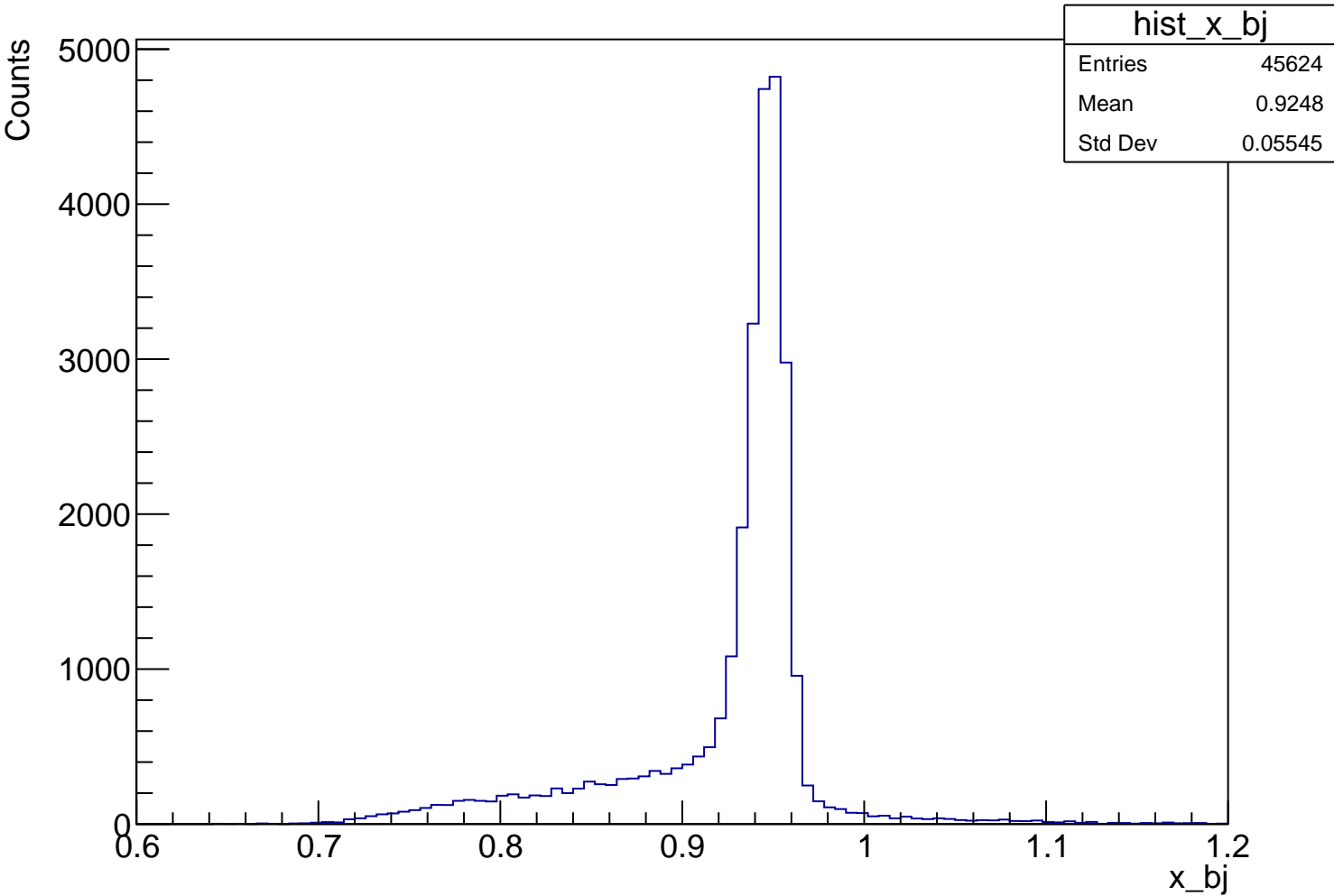




# Run 6183: H.kin.W2

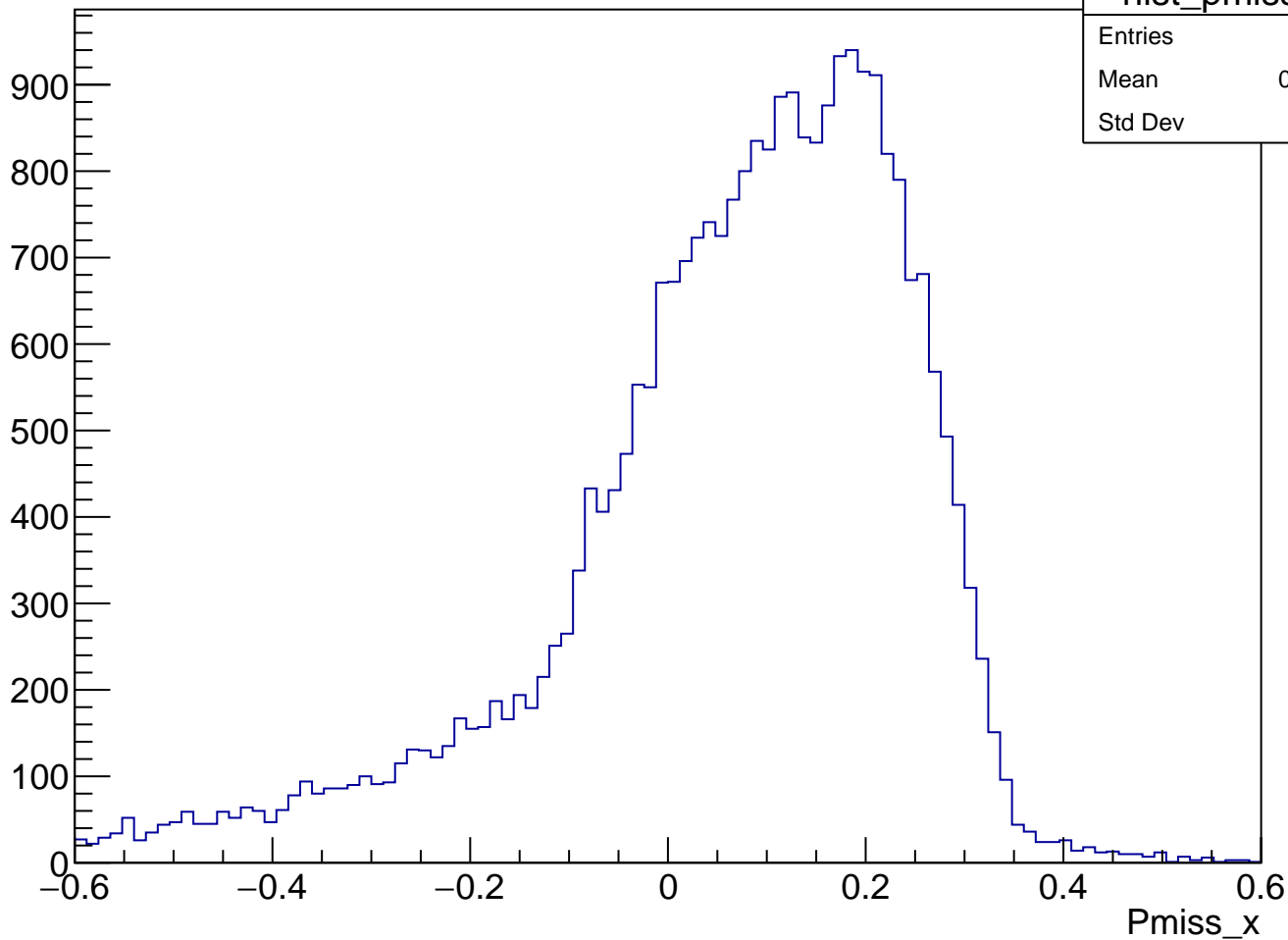


# Run 6183: H.kin.x\_bj



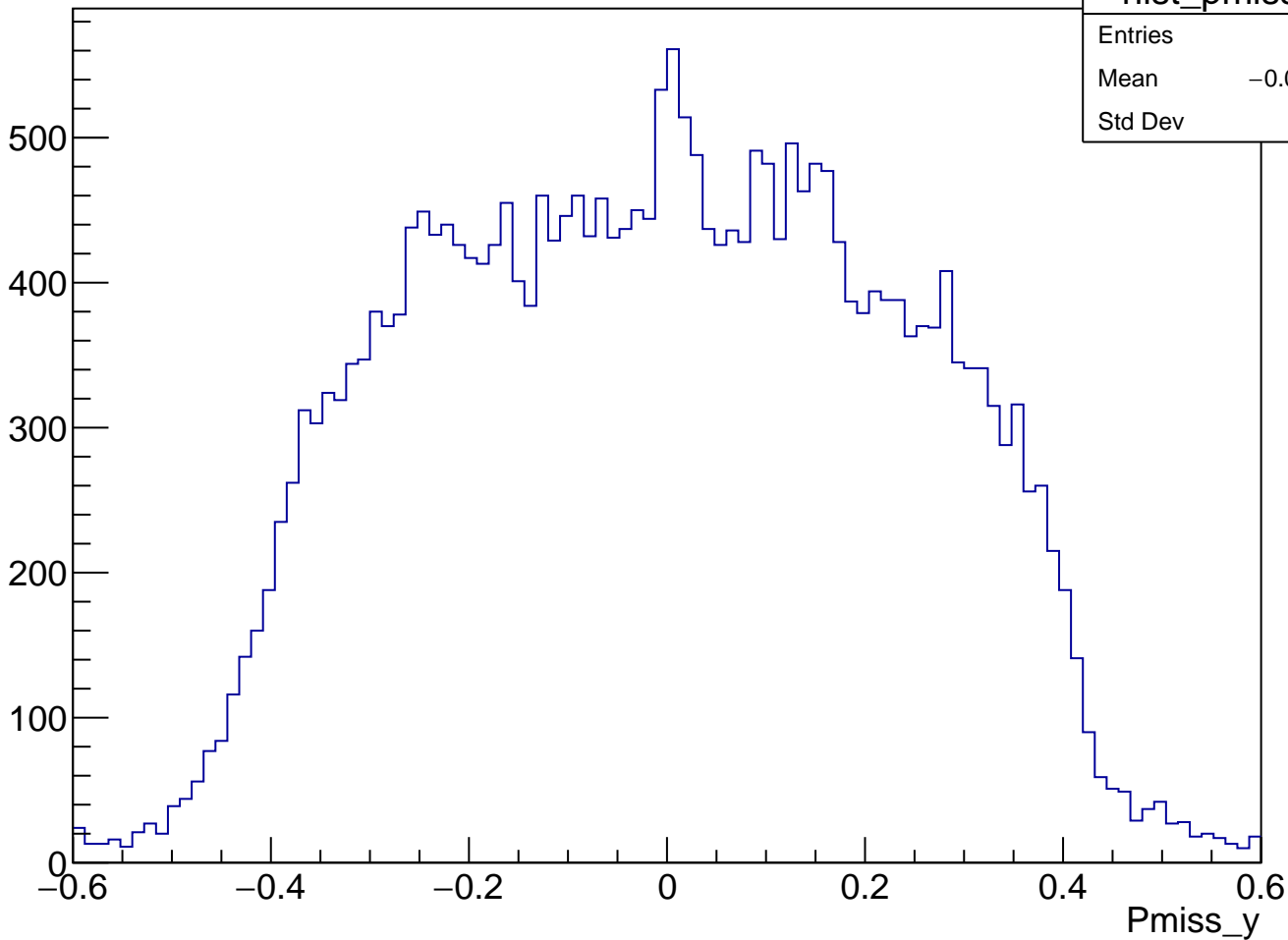
# Run 6183: NPS.kin.secondary.pmiss\_x

Counts

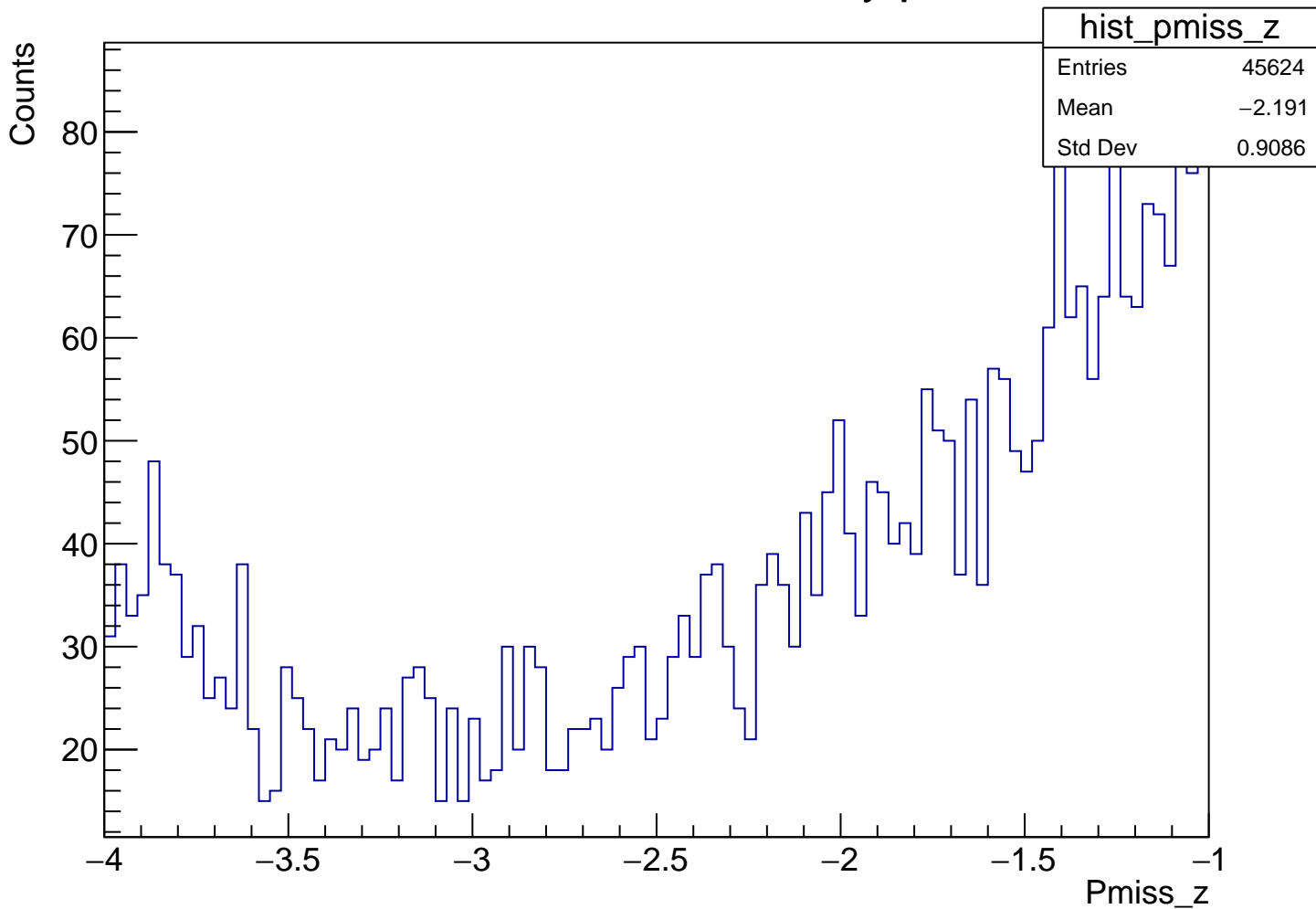


# Run 6183: NPS.kin.secondary.pmiss\_y

Counts

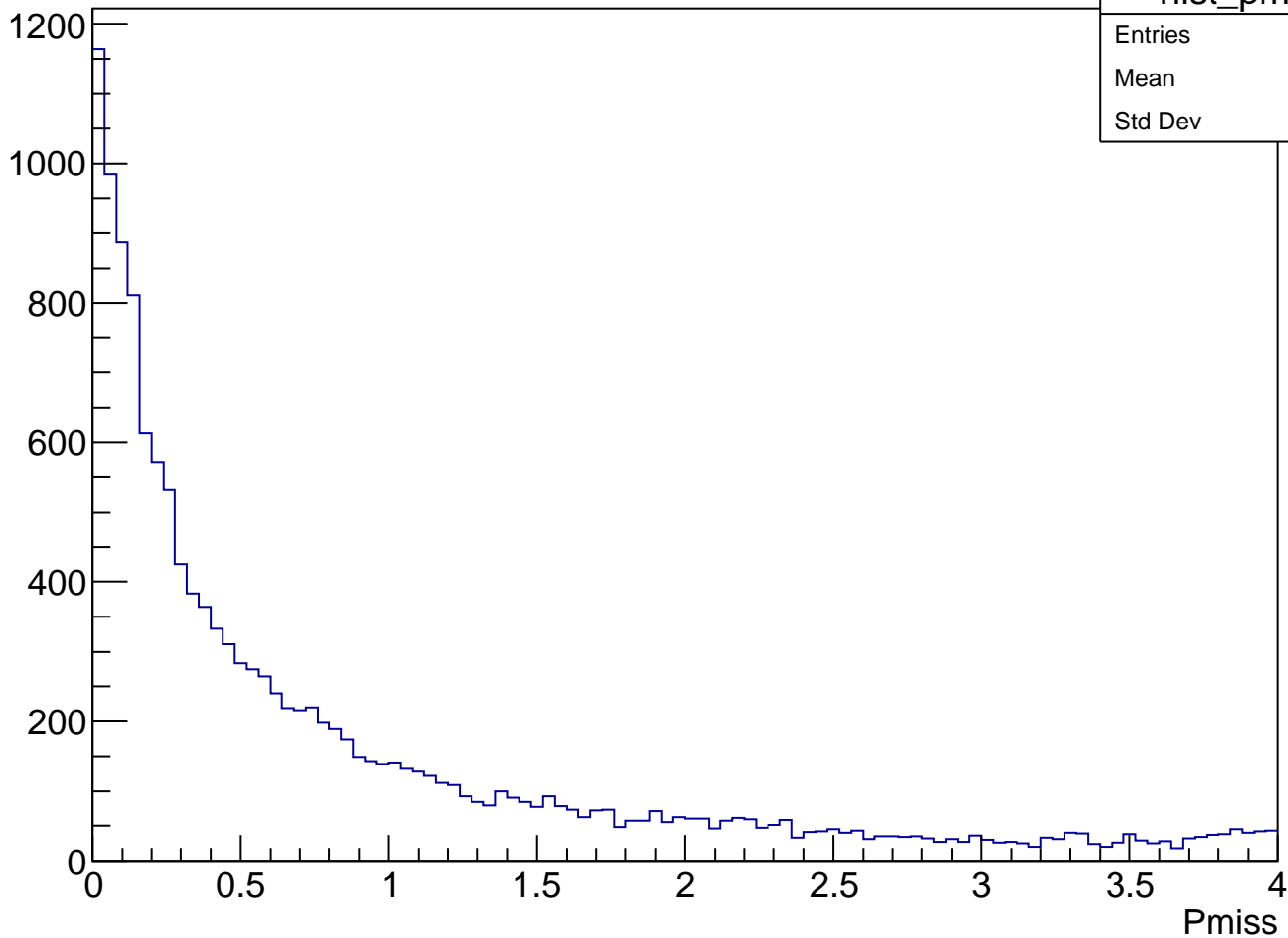


# Run 6183: NPS.kin.secondary.pmiss\_z



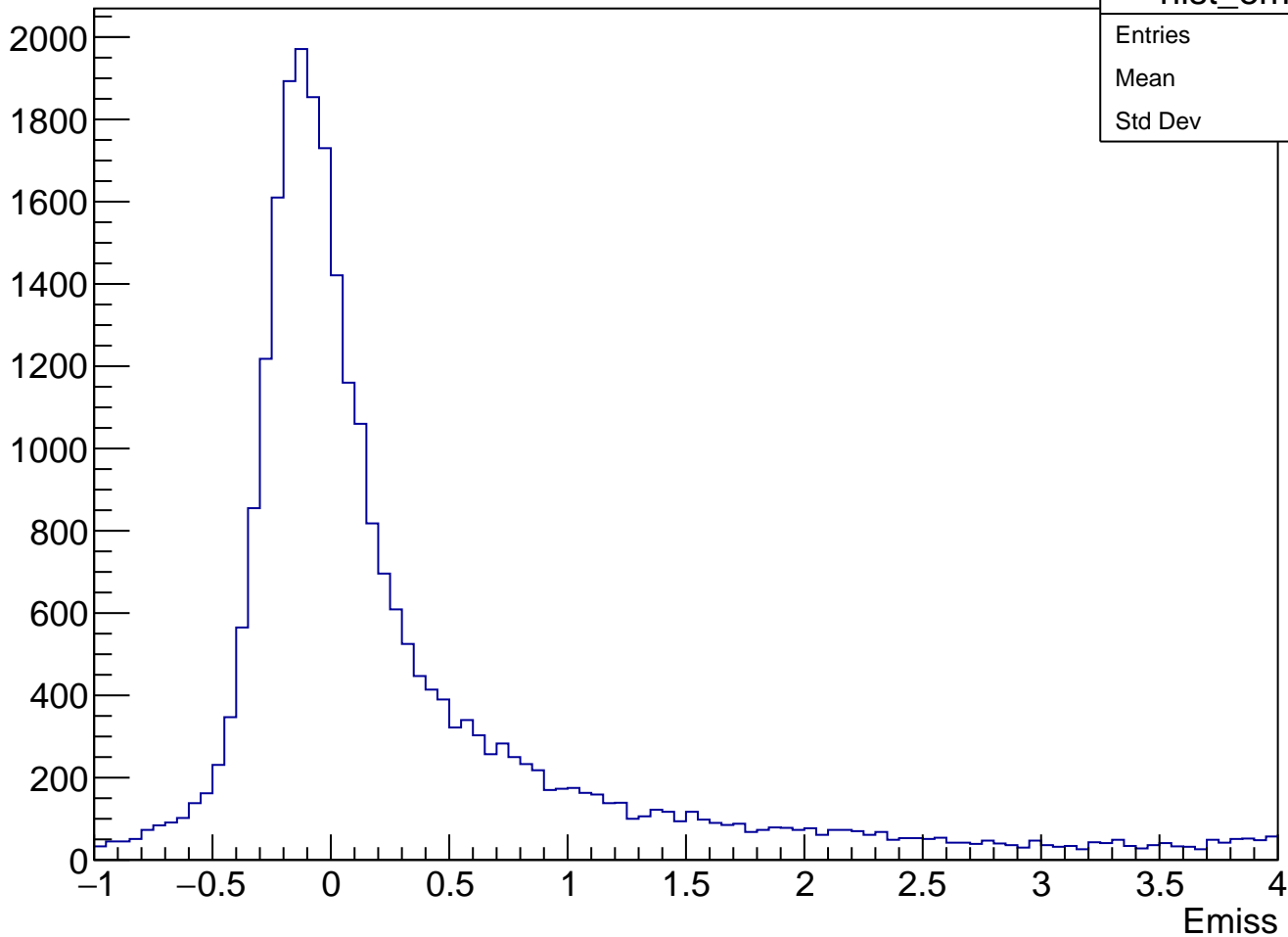
# Run 6183: NPS.kin.secondary.pmiss

Counts



# Run 6183: NPS.kin.secondary.emiss

Counts

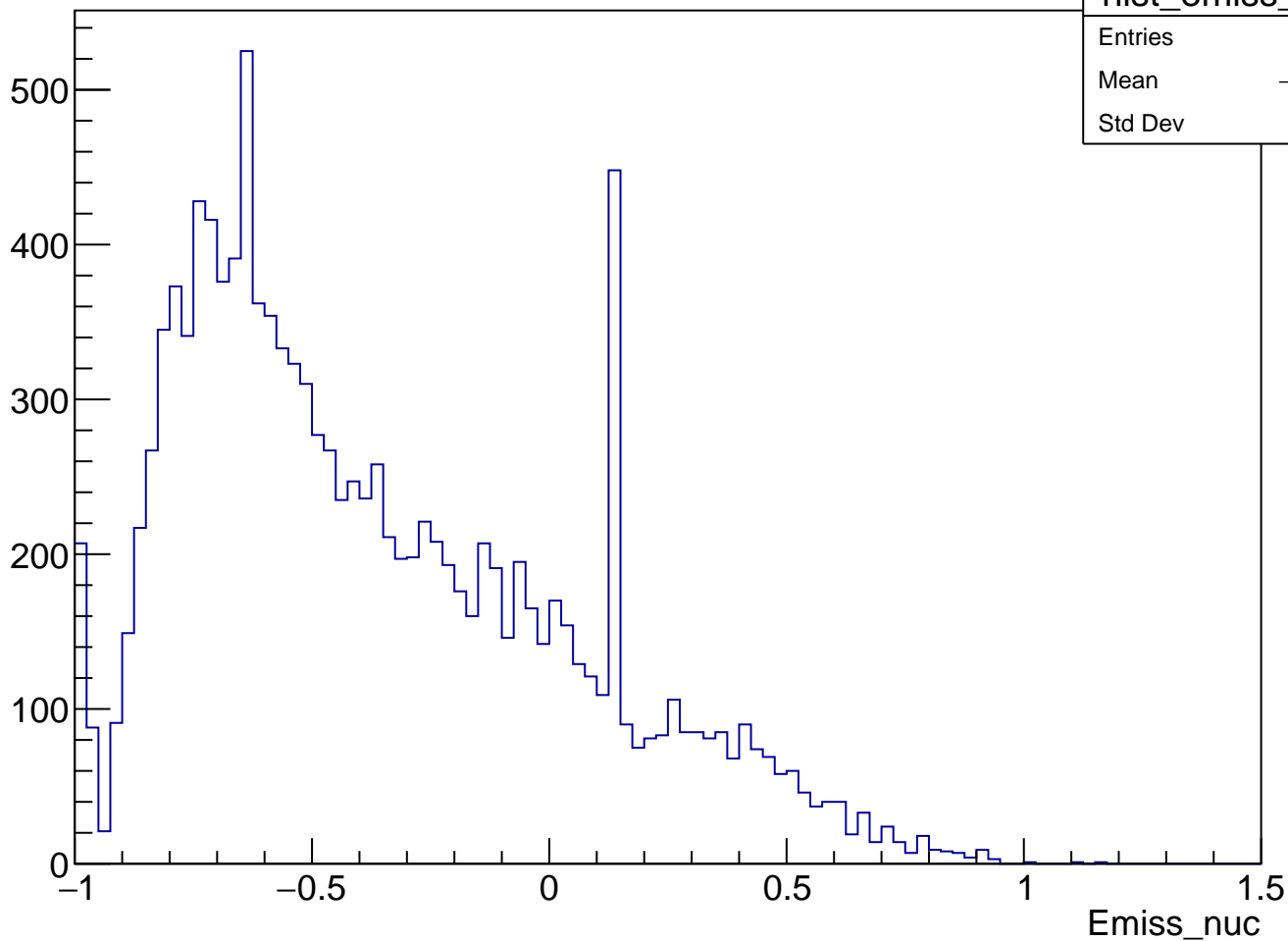


hist\_emiss

Entries	45624
Mean	0.3291
Std Dev	0.8724

# Run 6183: NPS.kin.secondary.emiss\_nuc

Counts



hist\_emiss\_nuc

Entries 45624

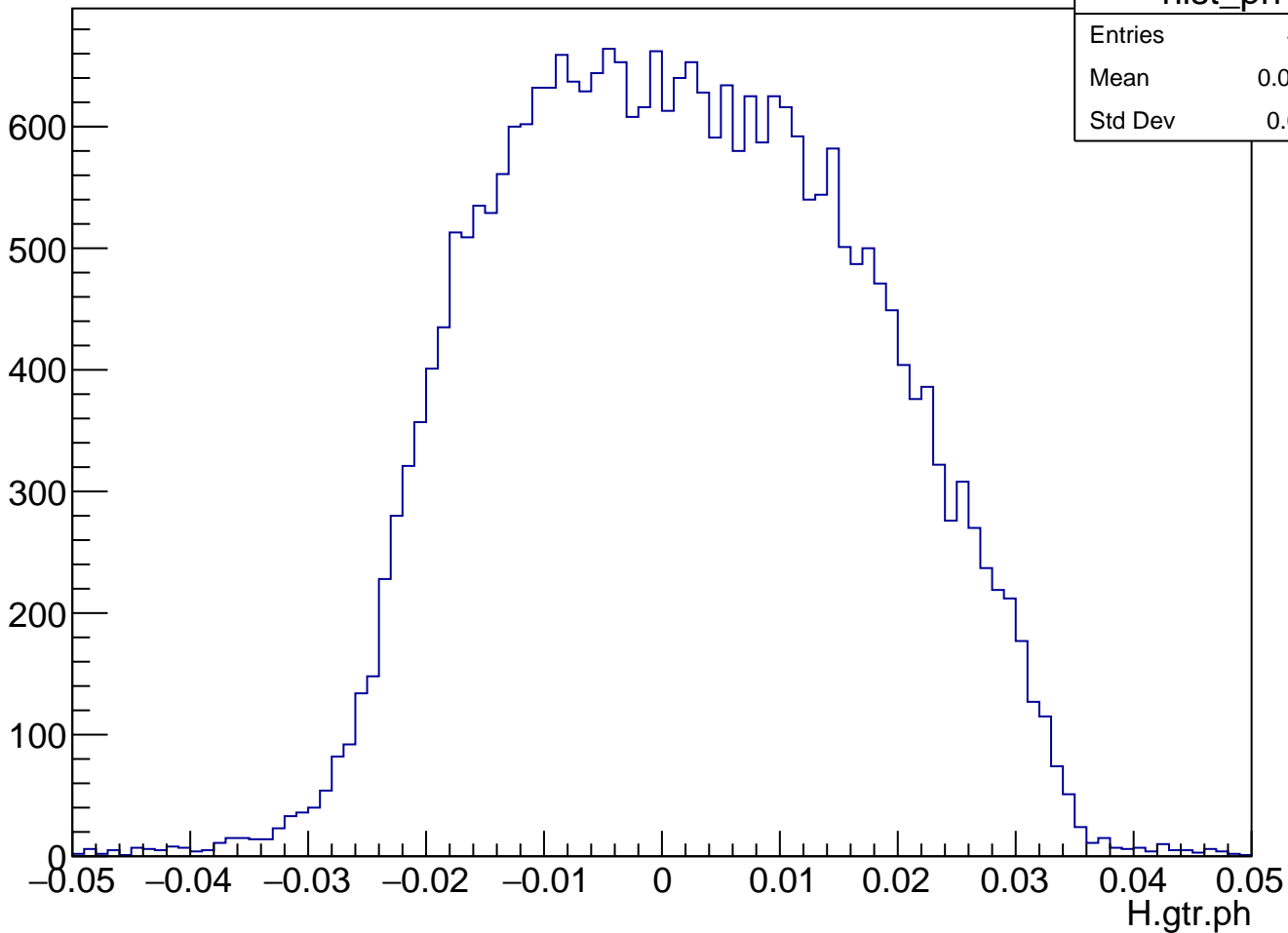
Mean -0.3621

Std Dev 0.4042



# Run 6183: H.gtr.ph

Counts



hist\_ph

Entries 45624

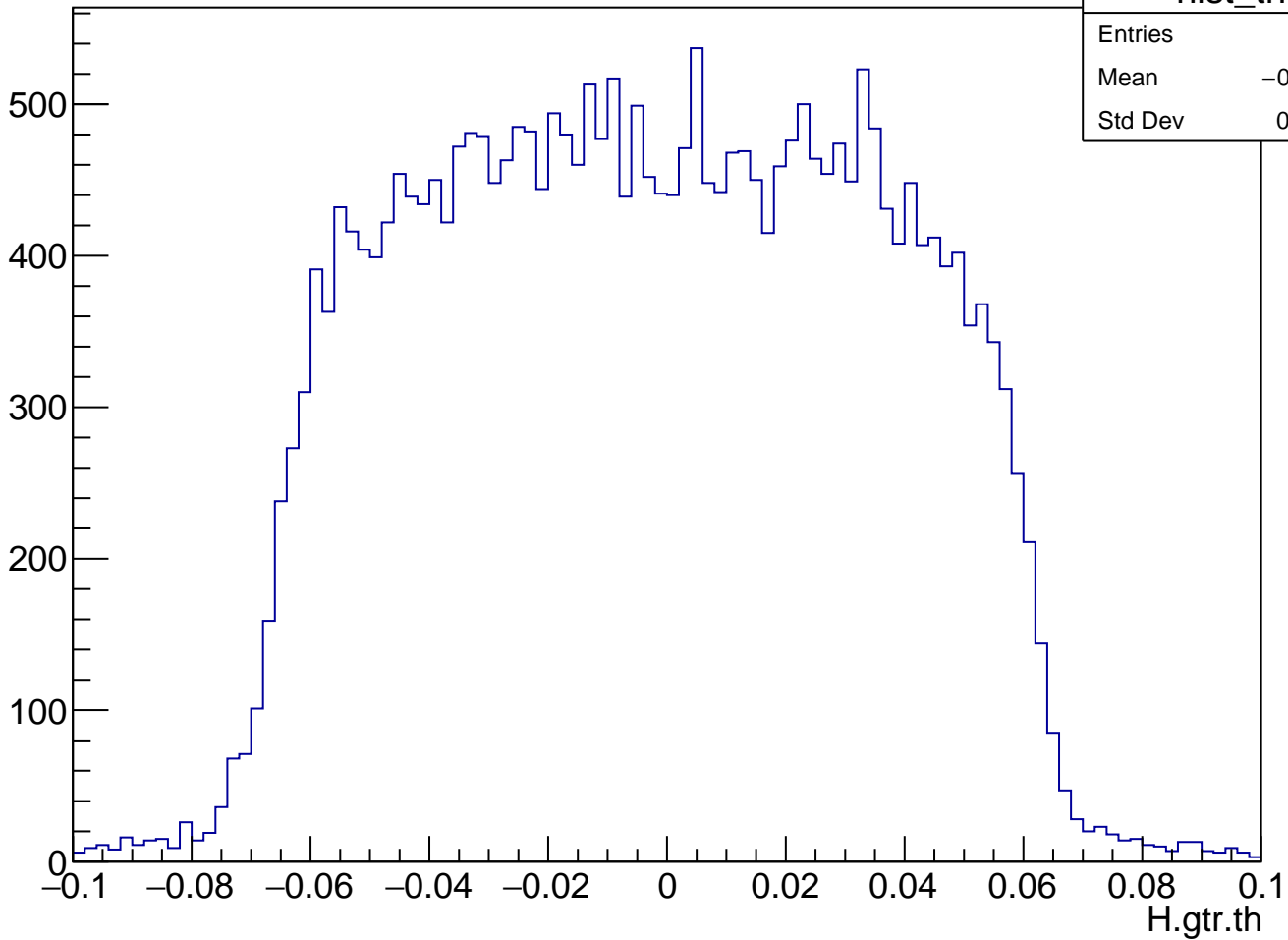
Mean 0.001581

Std Dev 0.01502

H.gtr.ph

# Run 6183: H.gtr.th

Counts



hist\_th

Entries 45624

Mean -0.00265

Std Dev 0.03687

H.gtr.th