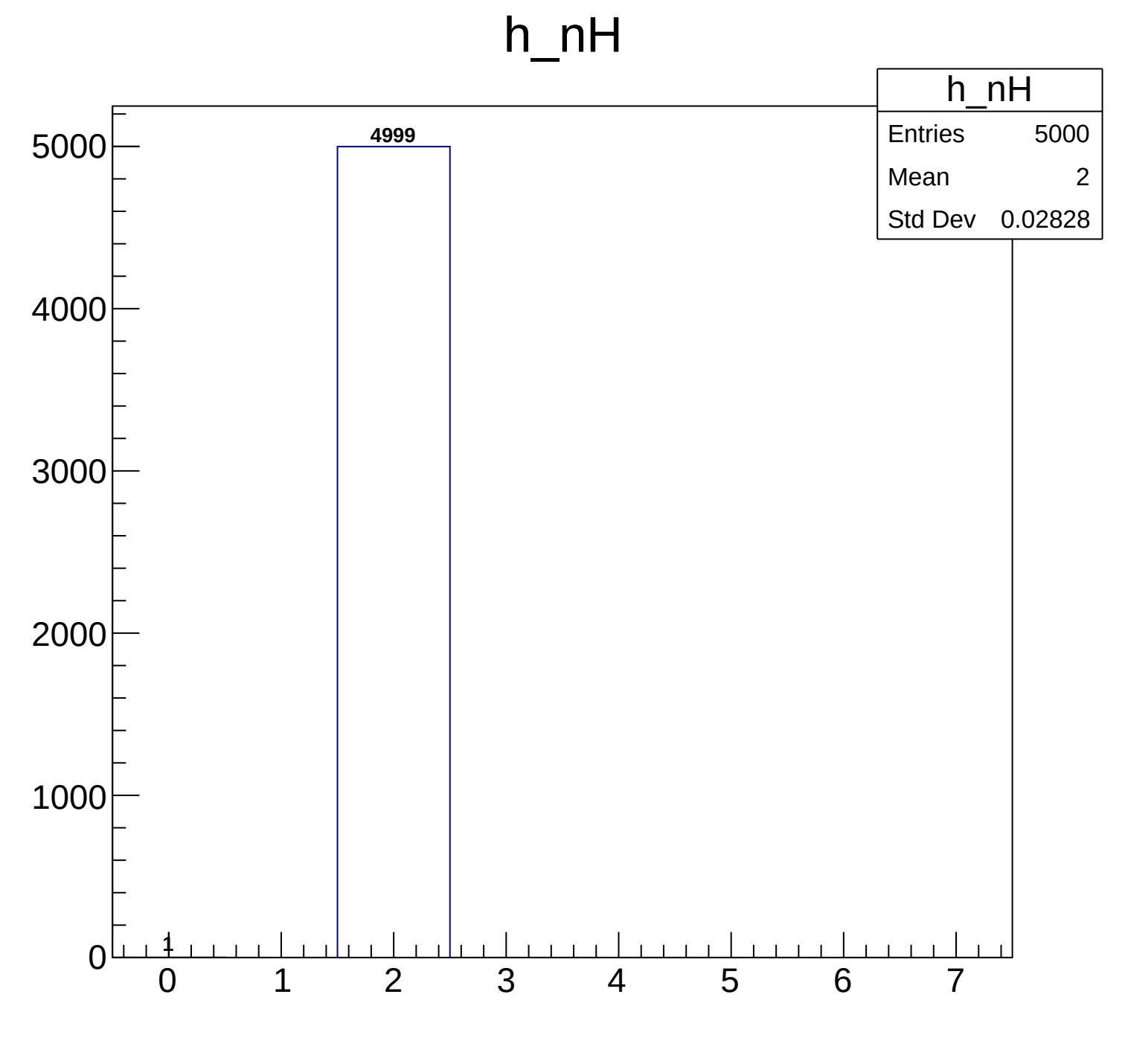
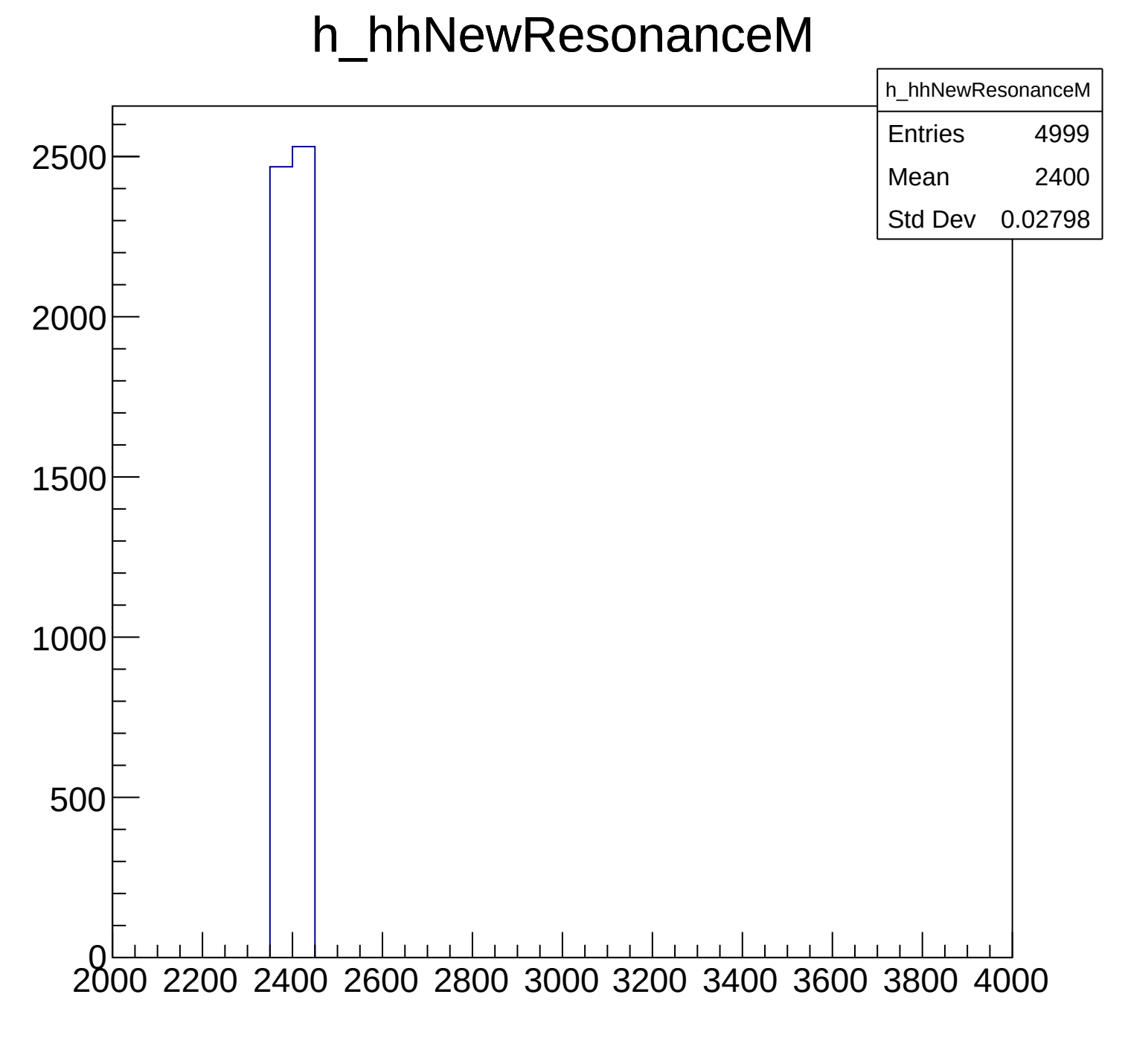
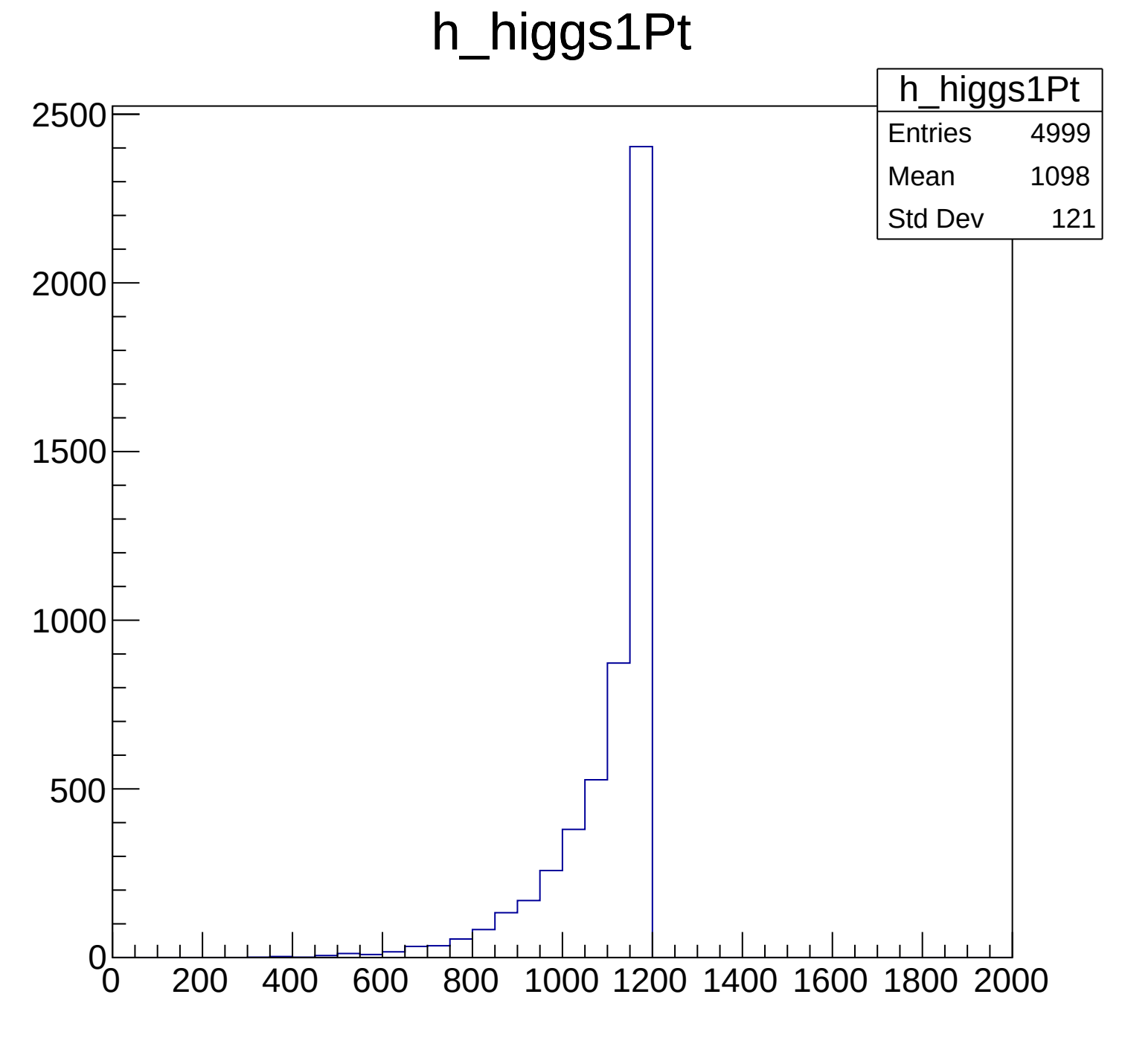
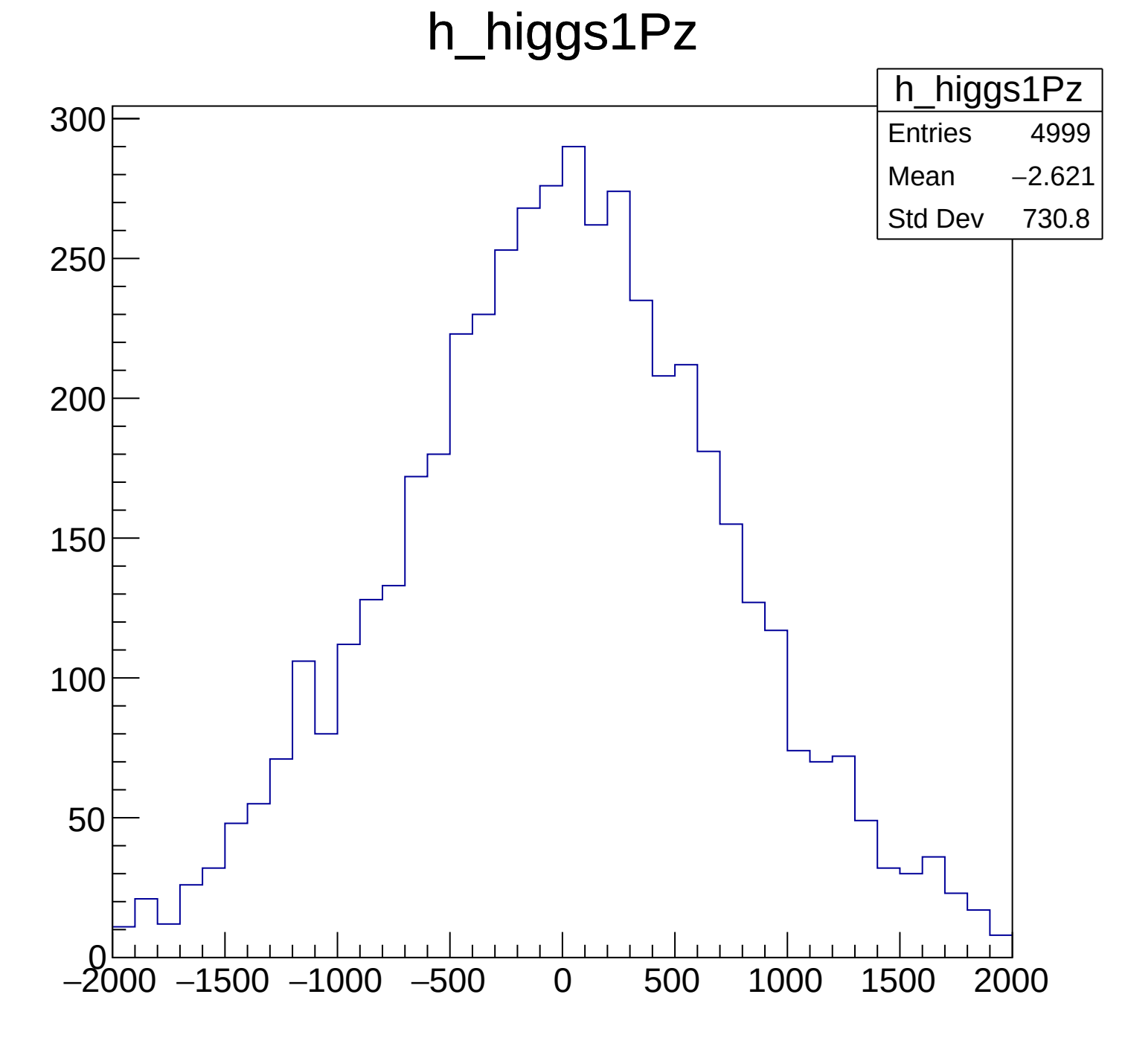
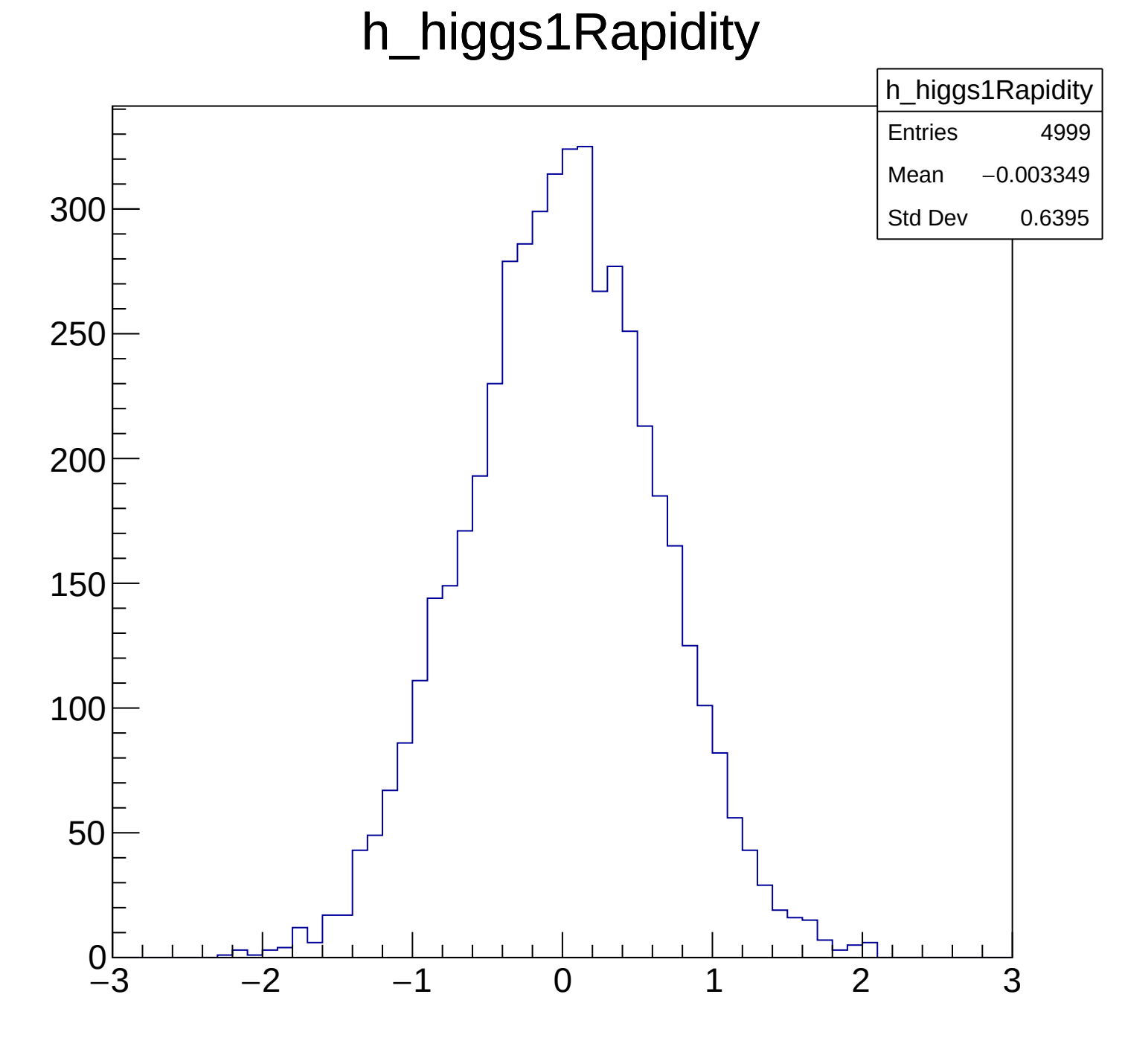
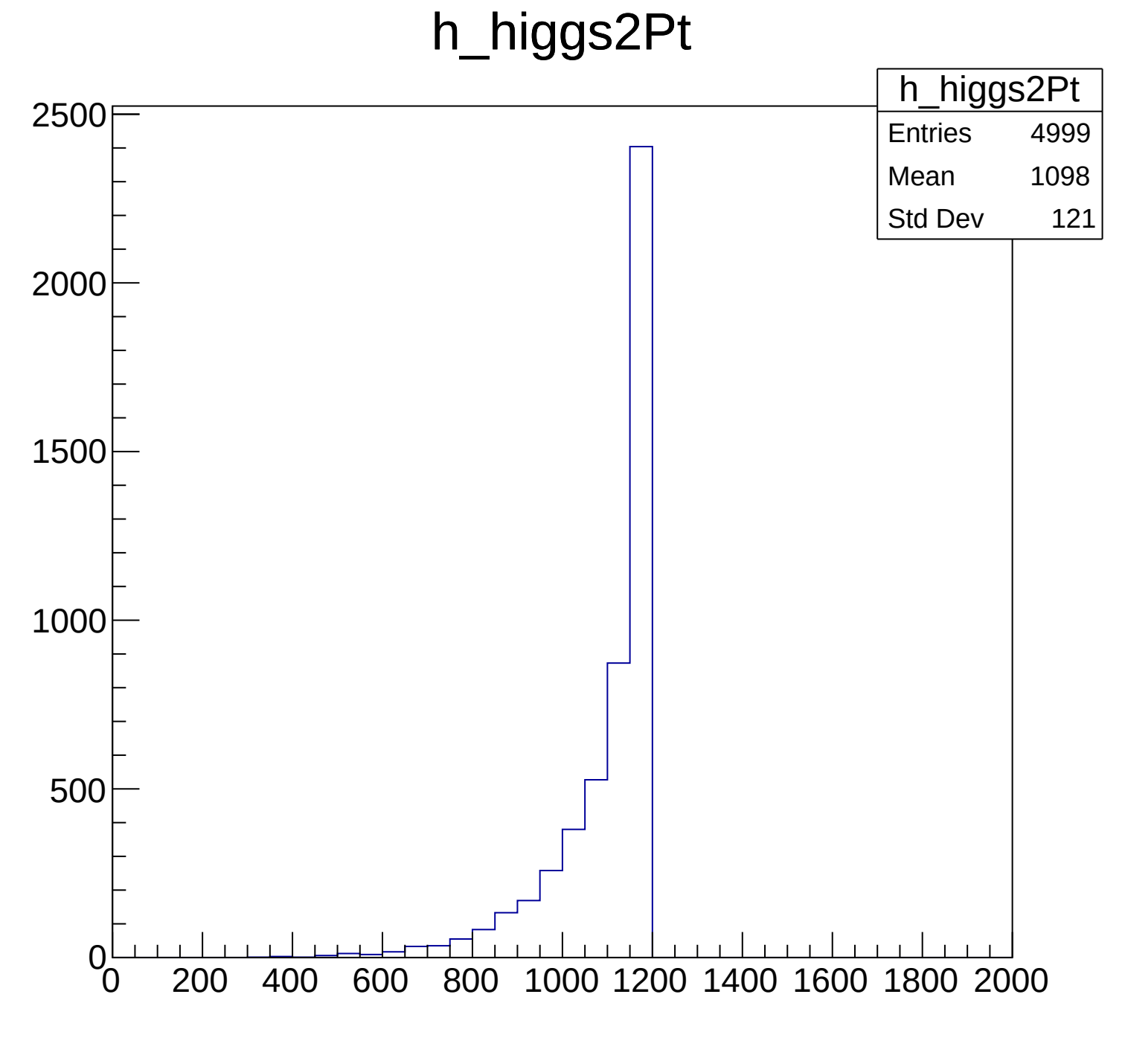

h_nH
h_nH
Entries 5000
Mean 2
Std Dev 0.02828
4999
1
5000
4000
3000
2000
1000
0
0
1
2
3
4
5
6
7

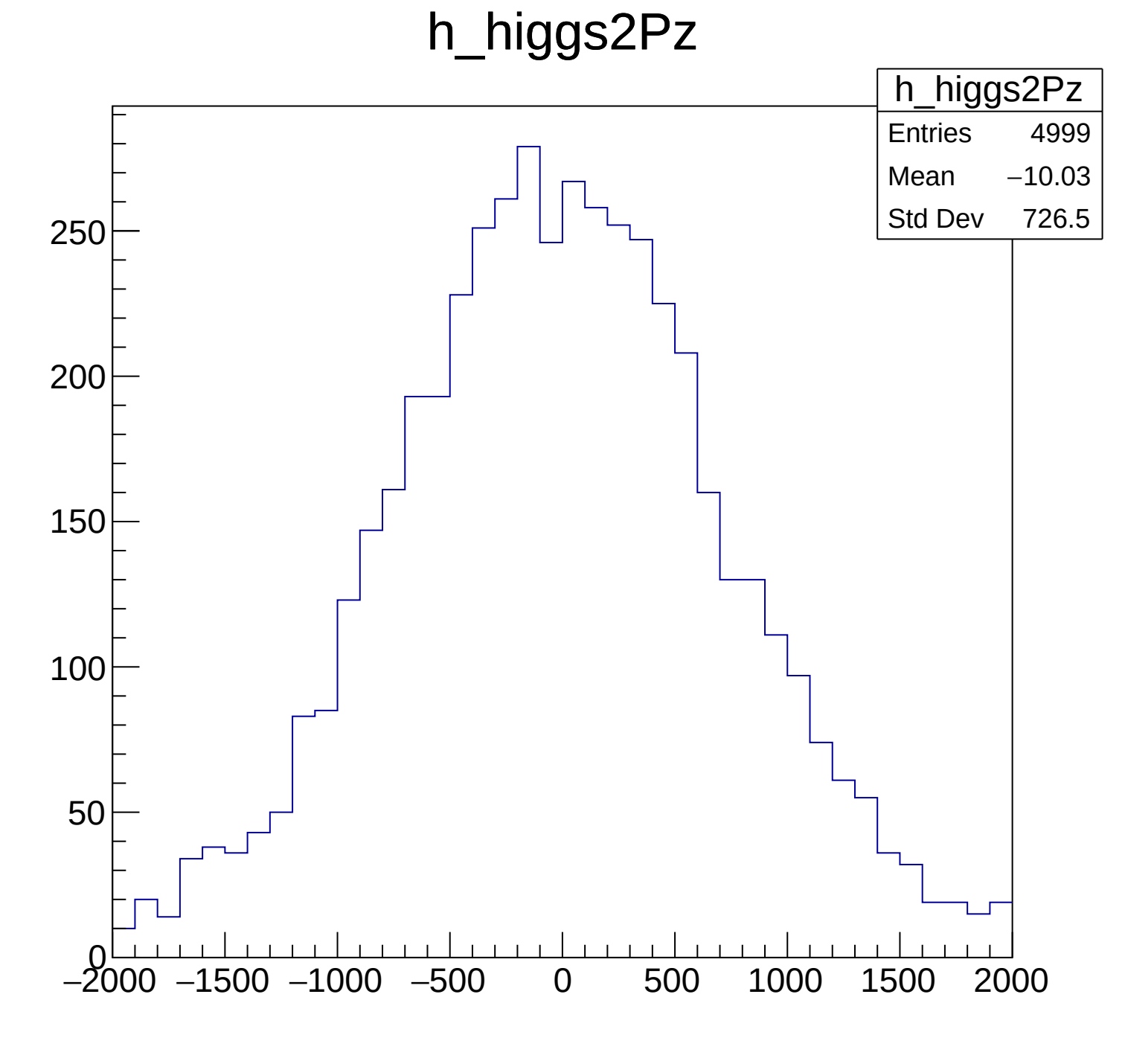

h_hhNewResonanceM
h_hhNewResonanceM
Entries 4999
Mean 2400
Std Dev 0.02798
2500
2000
1500
1000
500
0
2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000

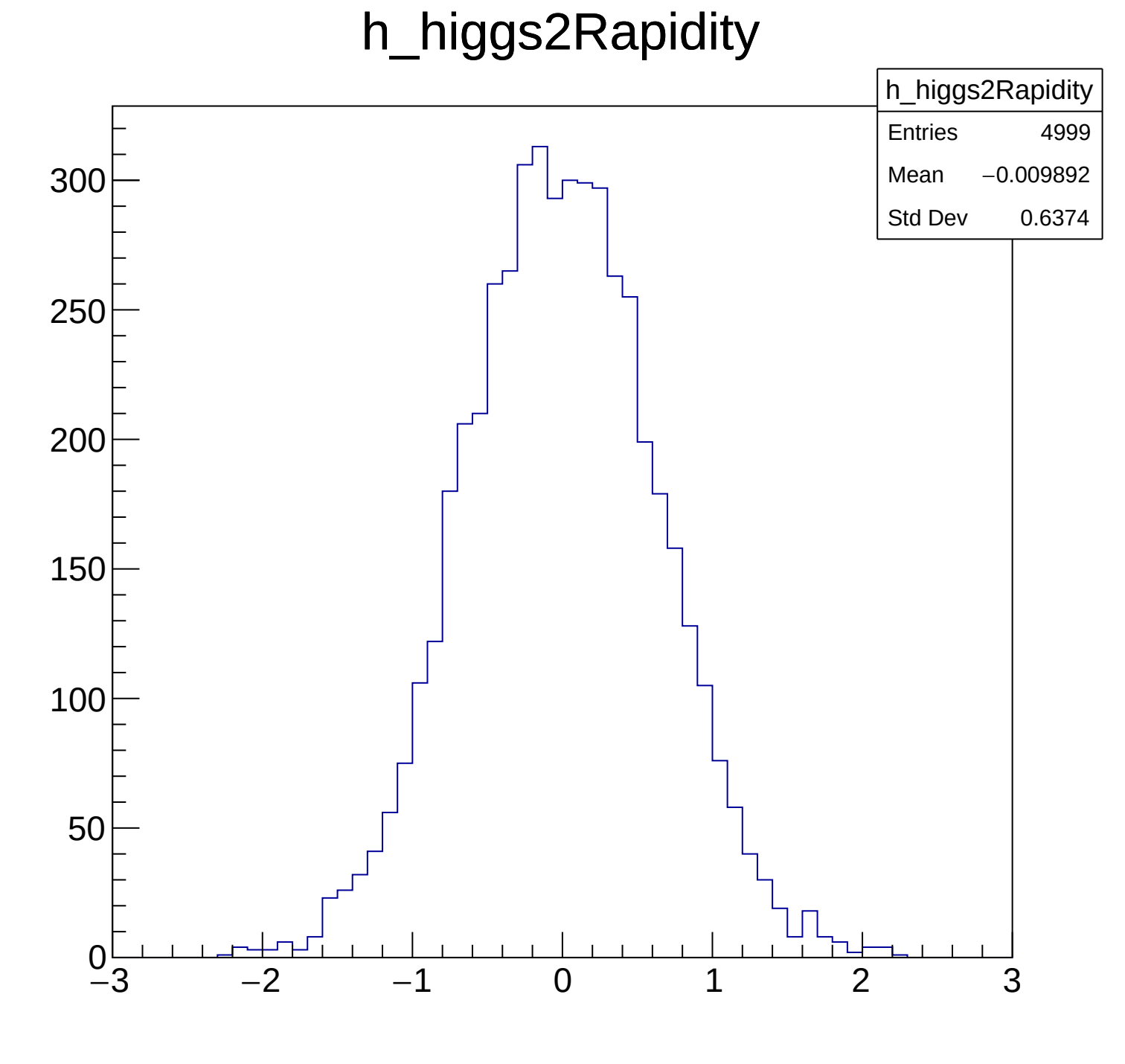

h_higgs1Pt
h_higgs1Pt
Entries 4999
Mean 1098
Std Dev 121
2500
2000
1500
1000
500
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000

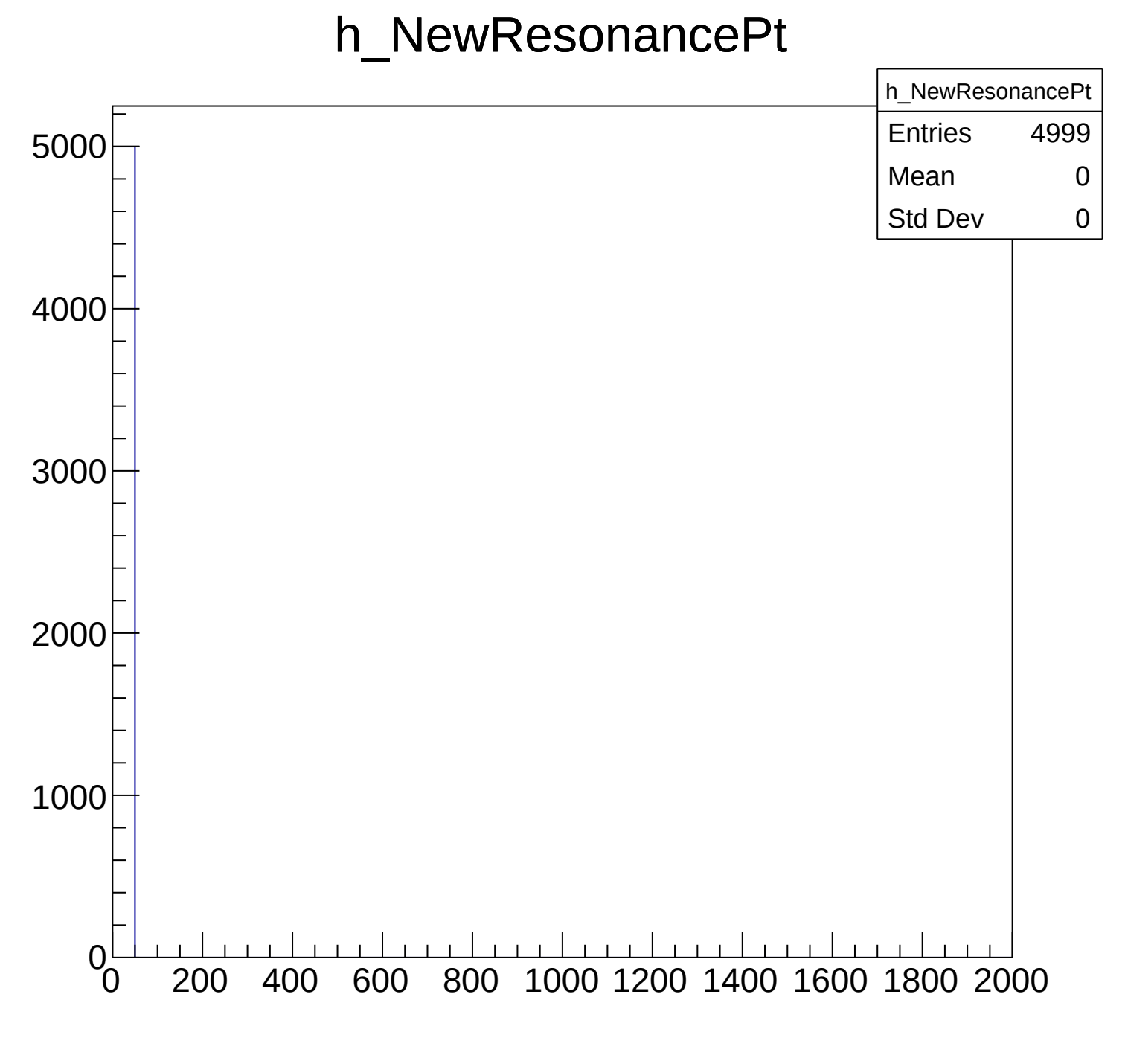

h_higgs1Pz
h_higgs1Pz
Entries 4999
Mean −2.621
Std Dev 730.8
300
250
200
150
100
50
0
−2000
−1500
−1000
−500
0
500
1000
1500
2000

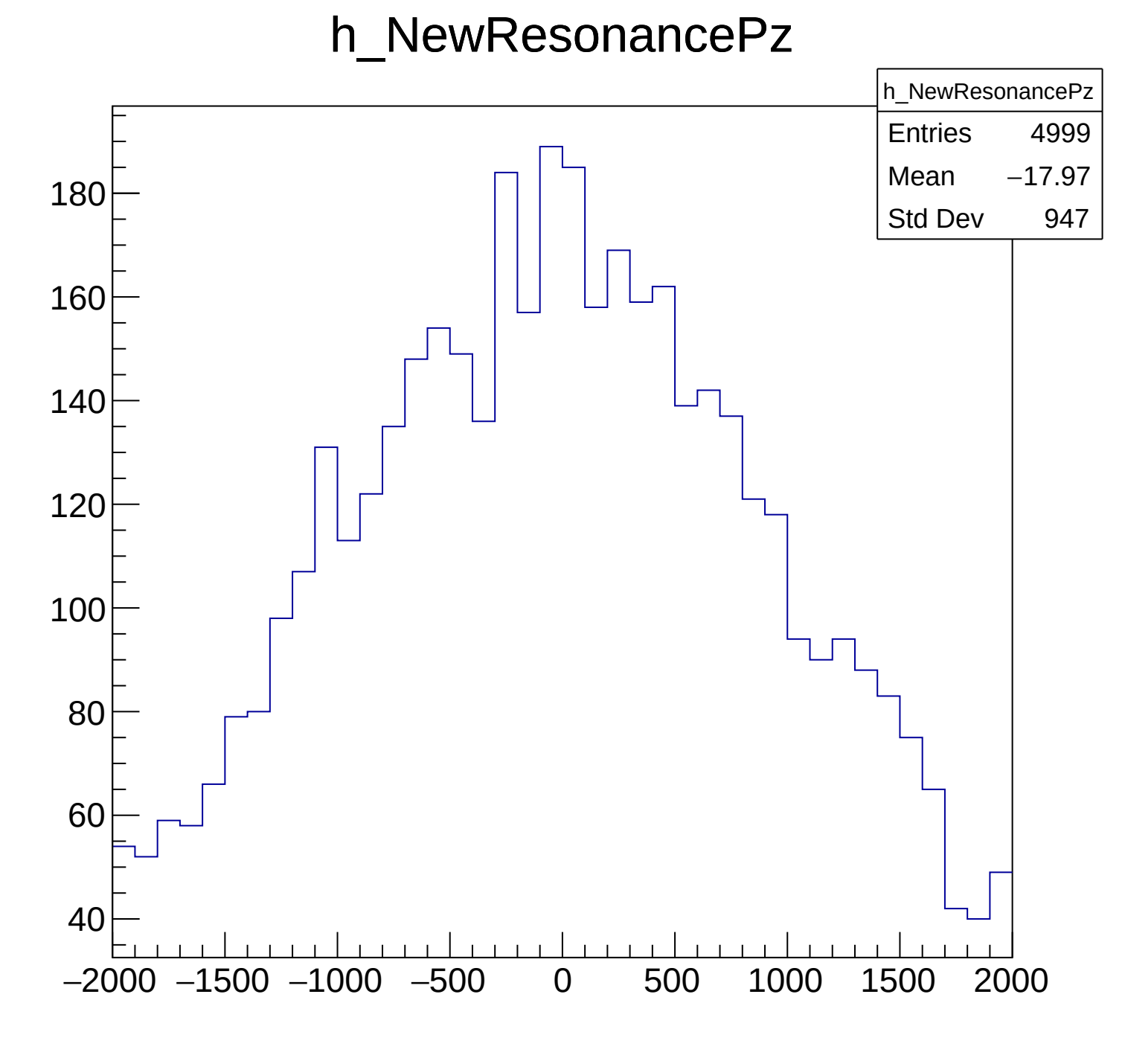

h_higgs1Rapidity
h_higgs1Rapidity
Entries 4999
Mean −0.003349
Std Dev 0.6395
300
250
200
150
100
50
0
−3
−2
−1
0
1
2
3

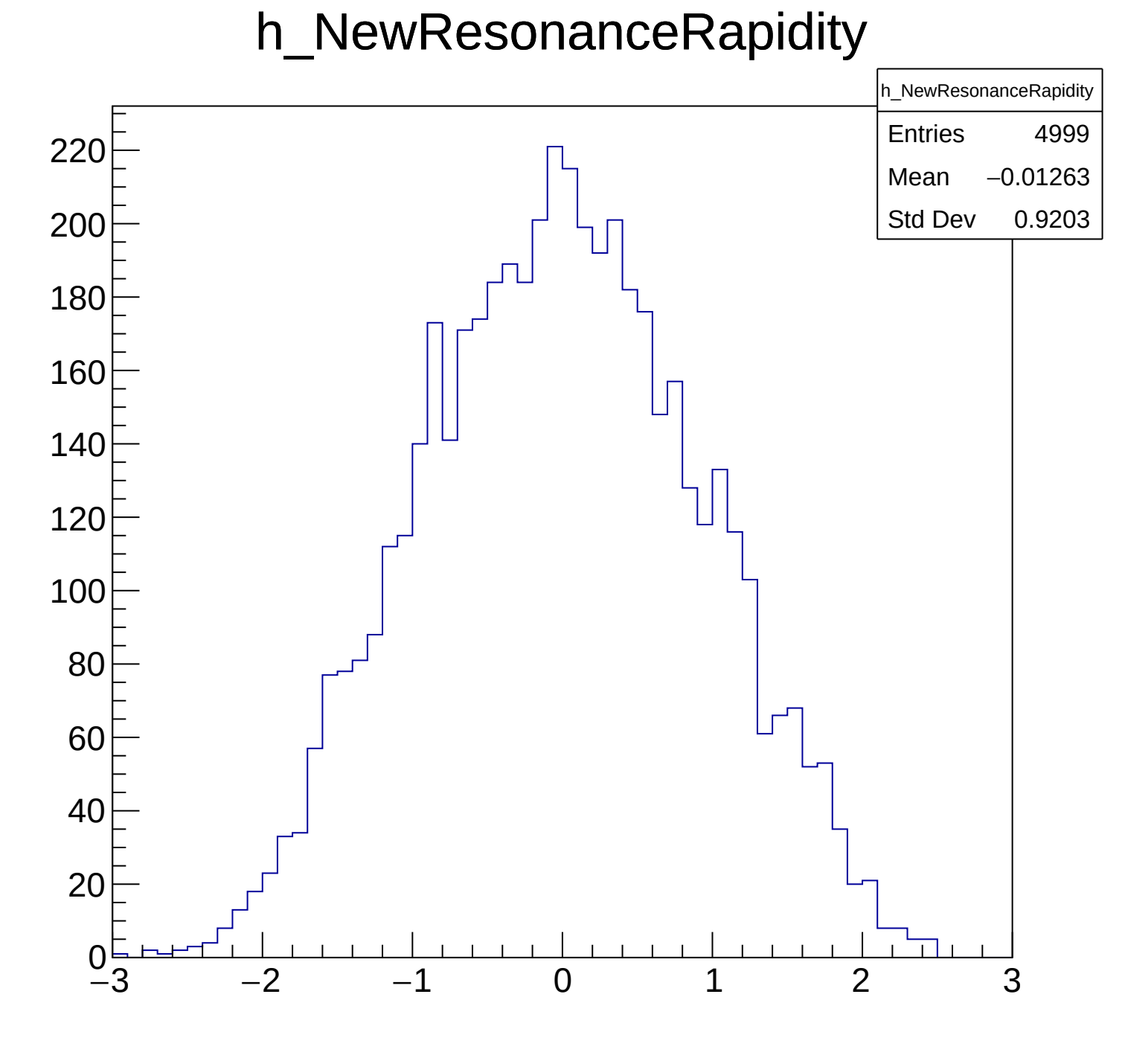

h_higgs2Pt
h_higgs2Pt
Entries 4999
Mean 1098
Std Dev 121
2500
2000
1500
1000
500
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000

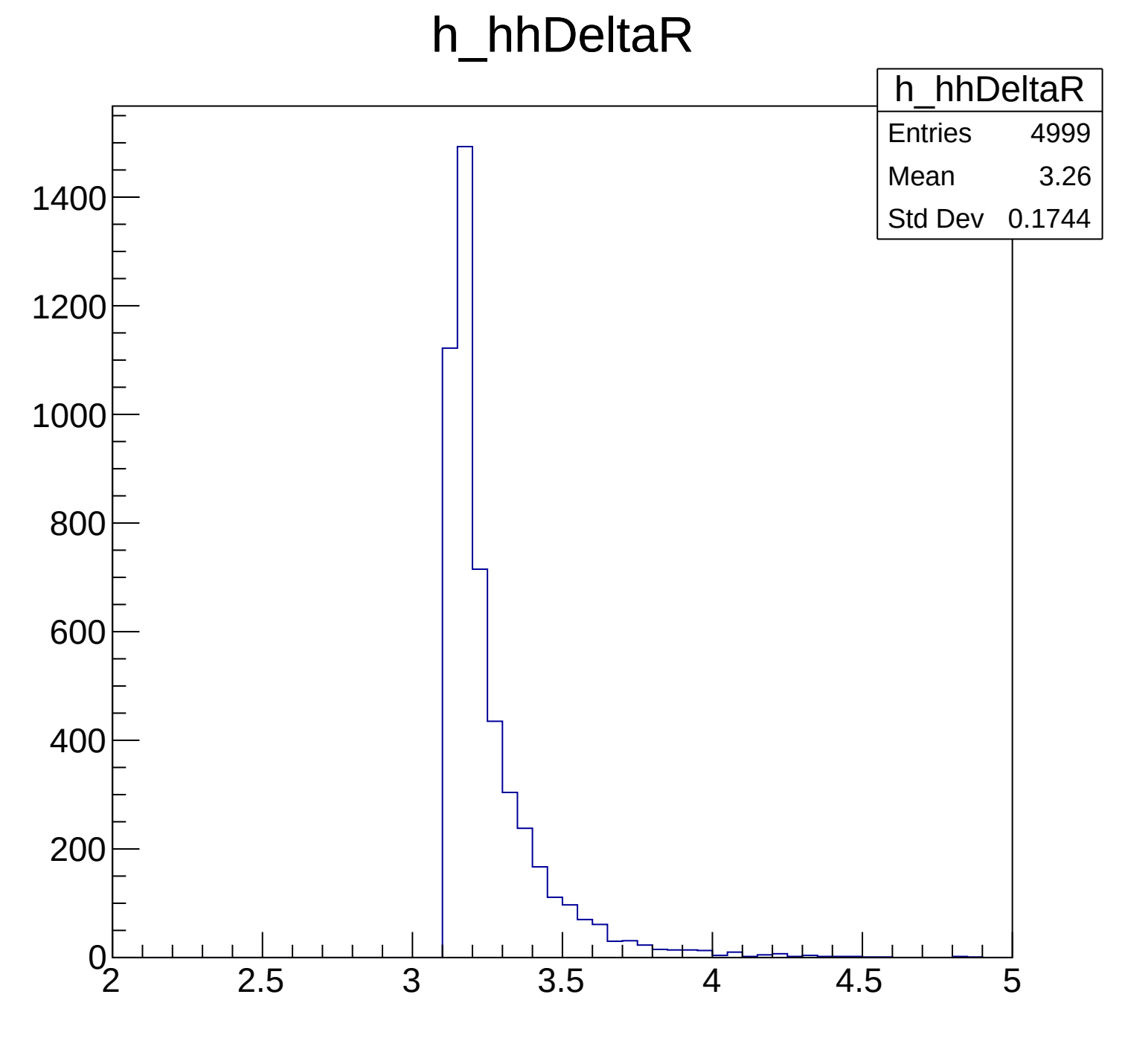

h_higgs2Pz
h_higgs2Pz
Entries 4999
Mean −10.03
Std Dev 726.5
250
200
150
100
50
0
−2000
−1500
−1000
−500
0
500
1000
1500
2000


h_higgs2Rapidity
h_higgs2Rapidity
Entries 4999
Mean −0.009892
Std Dev 0.6374
300
250
200
150
100
50
0
−3
−2
−1
0
1
2
3


h_NewResonancePt
h_NewResonancePt
Entries 4999
Mean 0
Std Dev 0
5000
4000
3000
2000
1000
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000


h_NewResonancePz
h_NewResonancePz
Entries 4999
Mean −17.97
Std Dev 947
180
160
140
120
100
80
60
40
−2000
−1500
−1000
−500
0
500
1000
1500
2000


h_NewResonanceRapidity
h_NewResonanceRapidity
Entries 4999
Mean –0.01263
Std Dev 0.9203
220
200
180
160
140
120
100
80
60
40
20
0
–3
–2
–1
0
1
2
3


h_hhDeltaR
h_hhDeltaR
Entries 4999
Mean 3.26
Std Dev 0.1744
1400
1200
1000
800
600
400
200
0
2
2.5
3
3.5
4
4.5
5