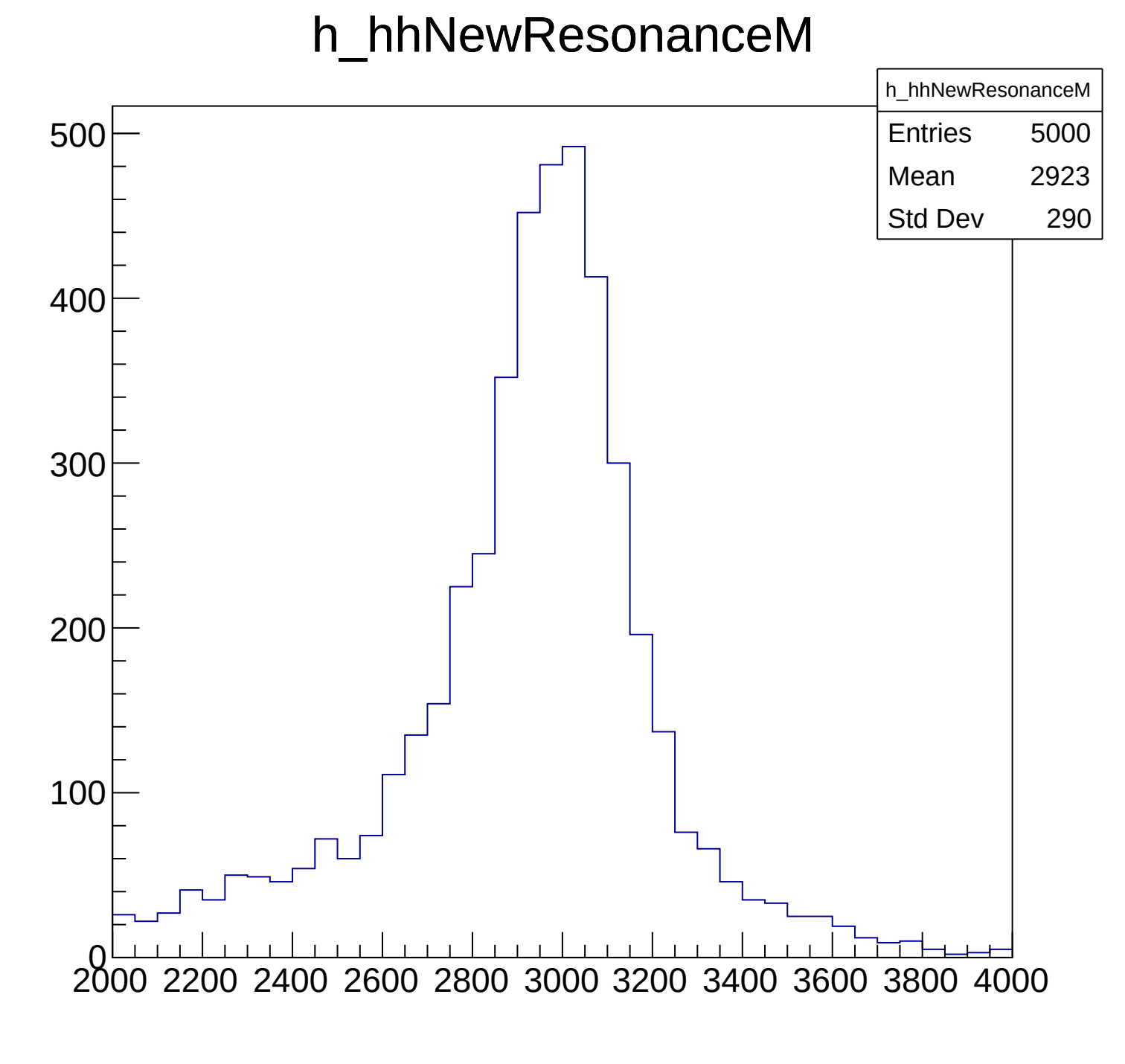
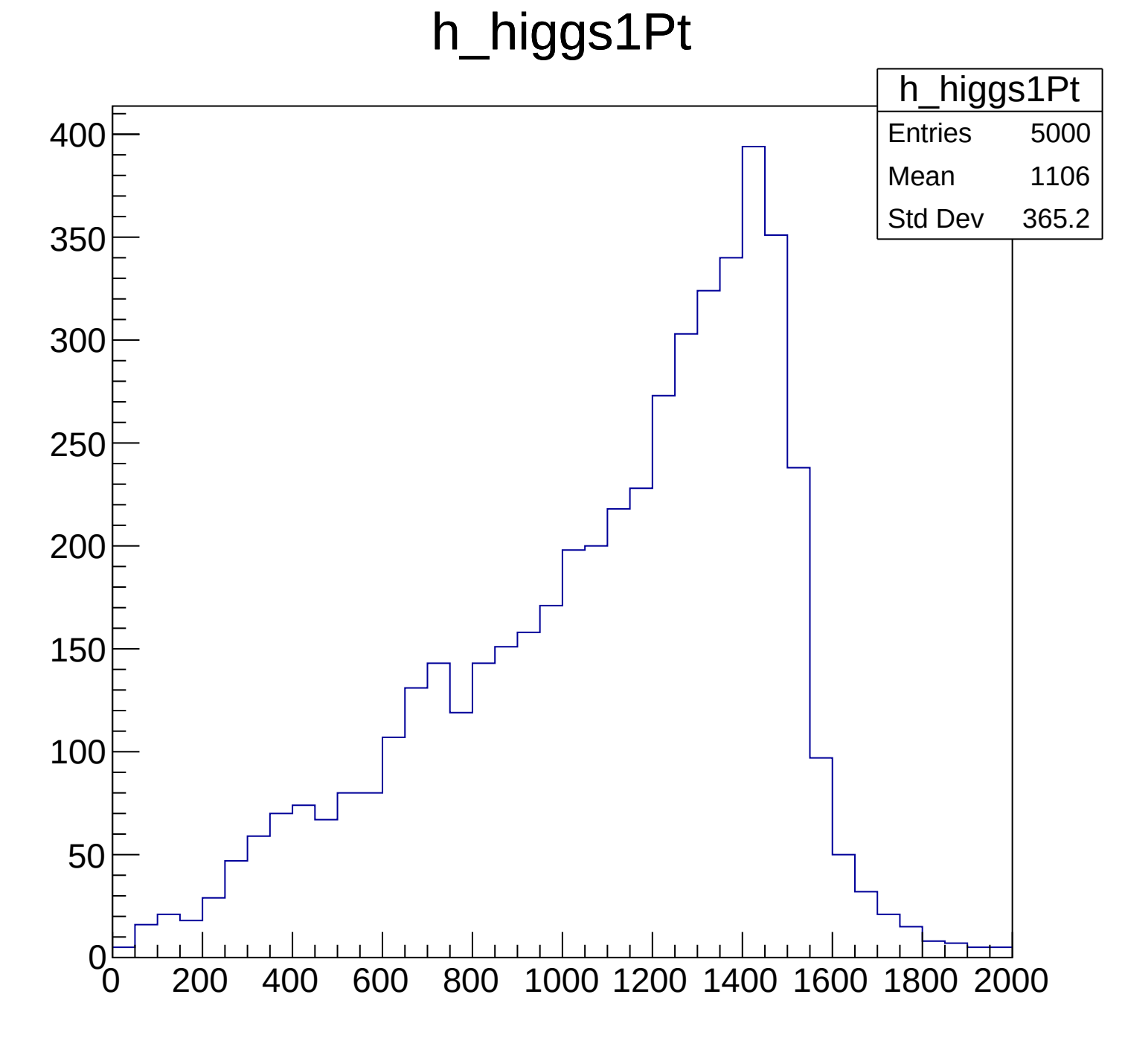
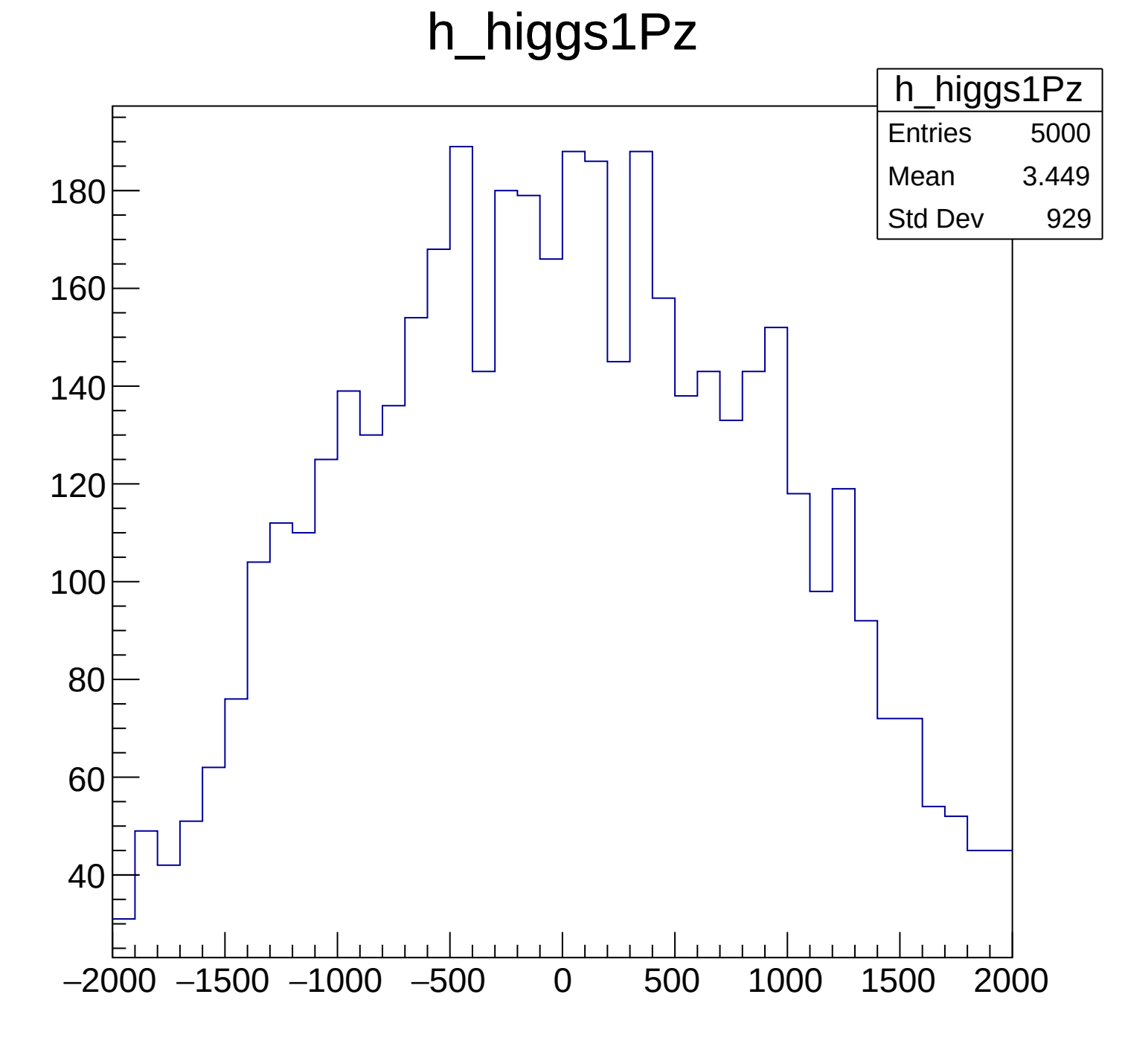
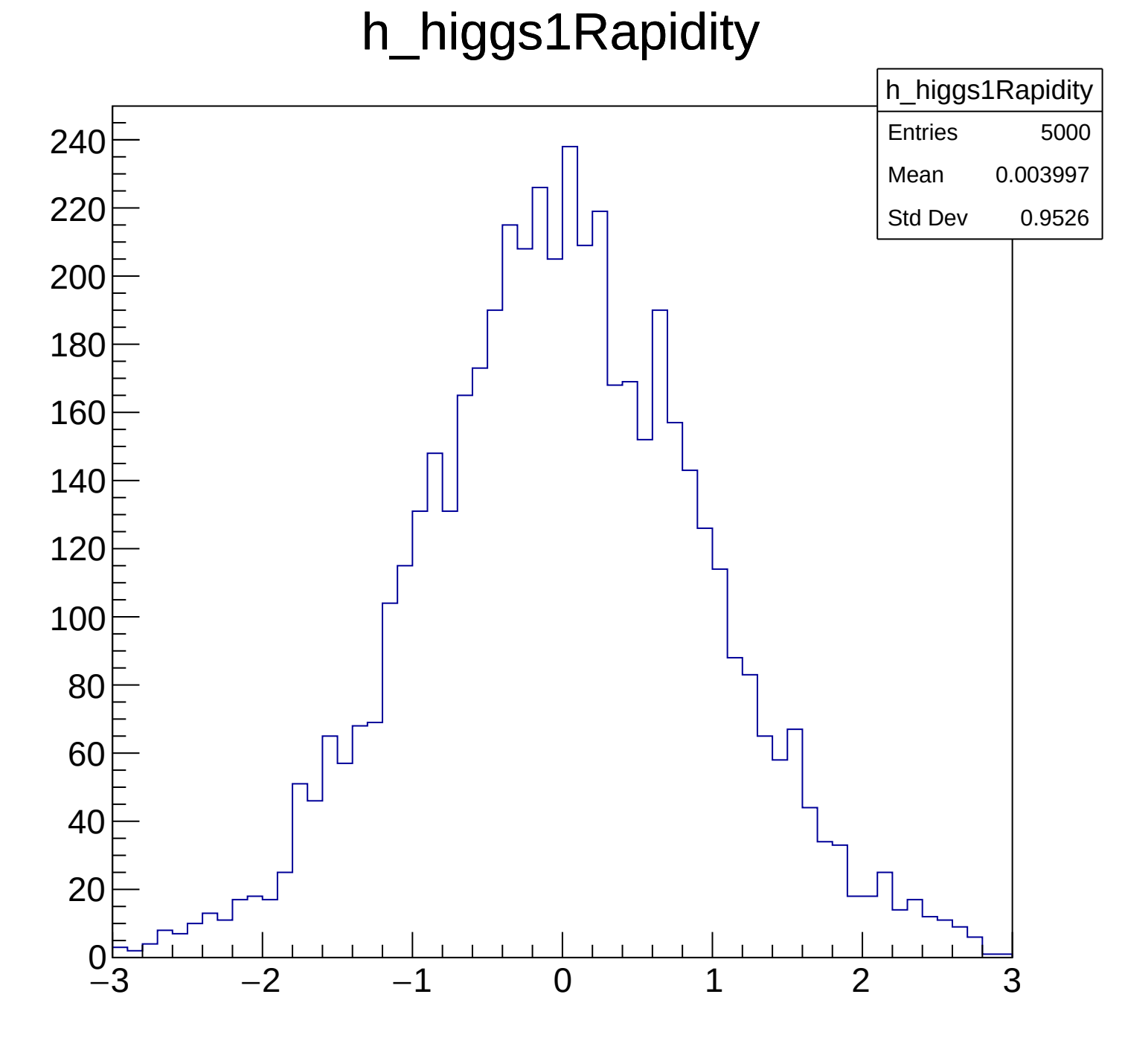
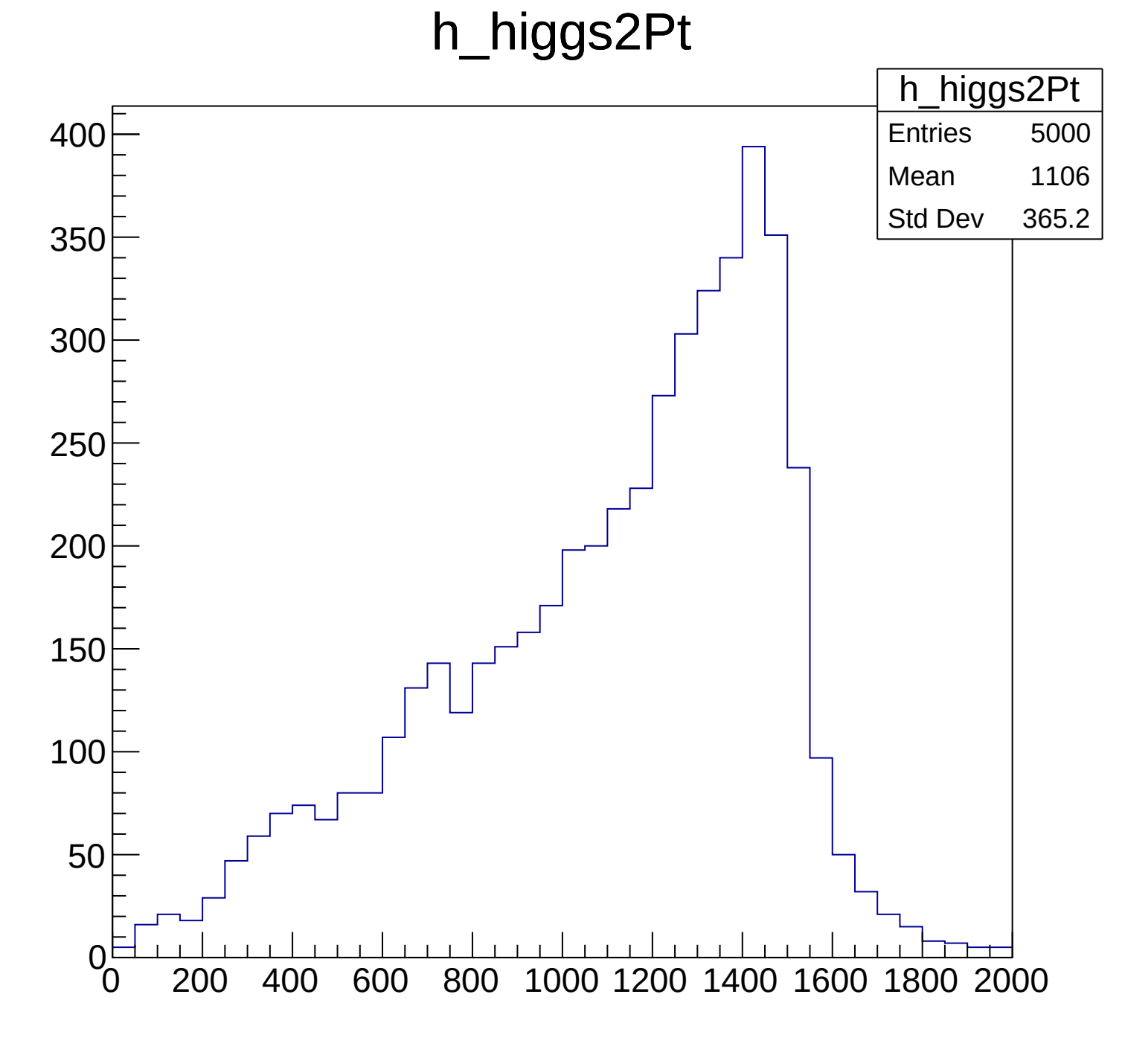
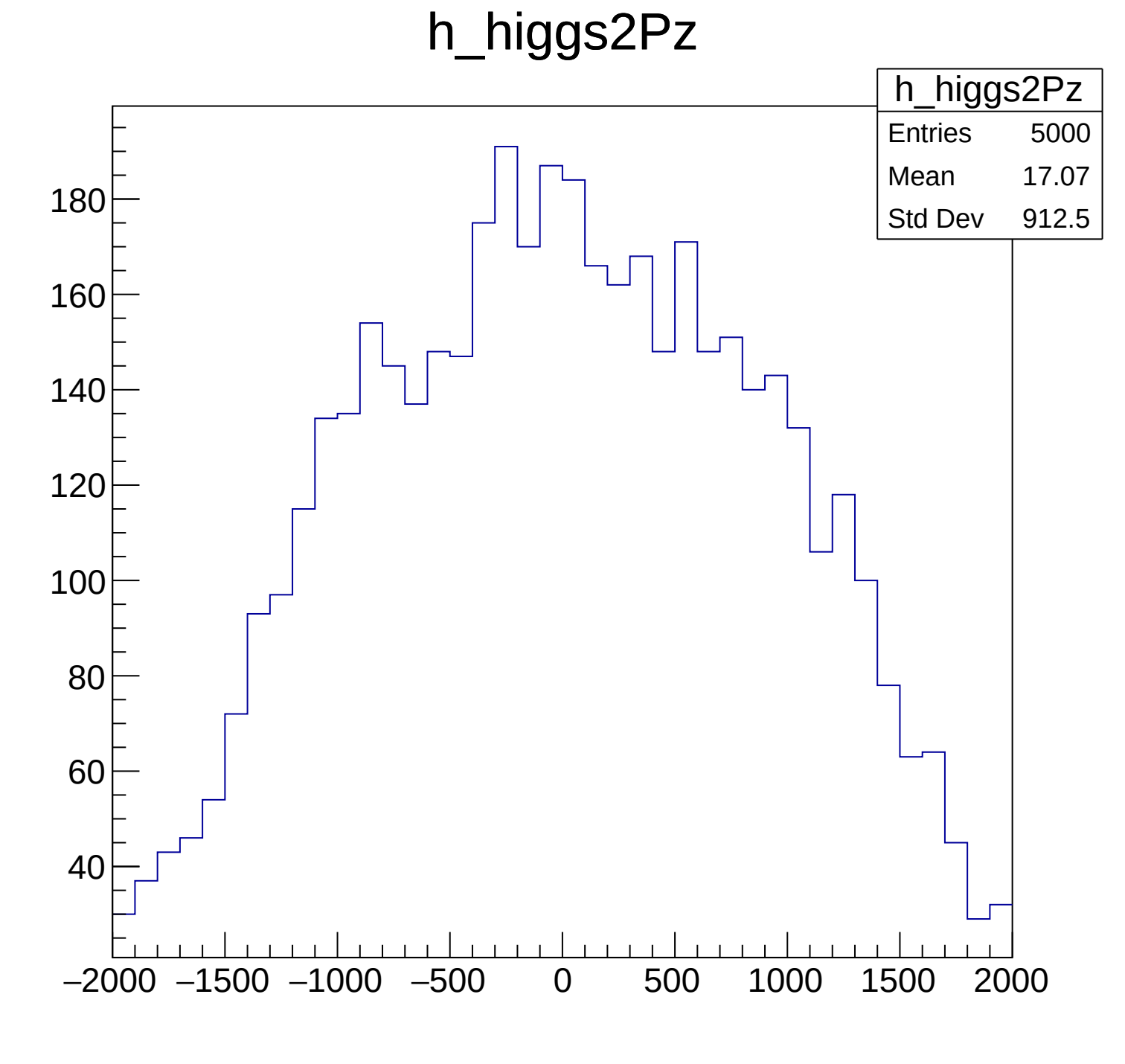

h_hhNewResonanceM
h_hhNewResonanceM
Entries 5000
Mean 2923
Std Dev 290
500
400
300
200
100
0
2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000

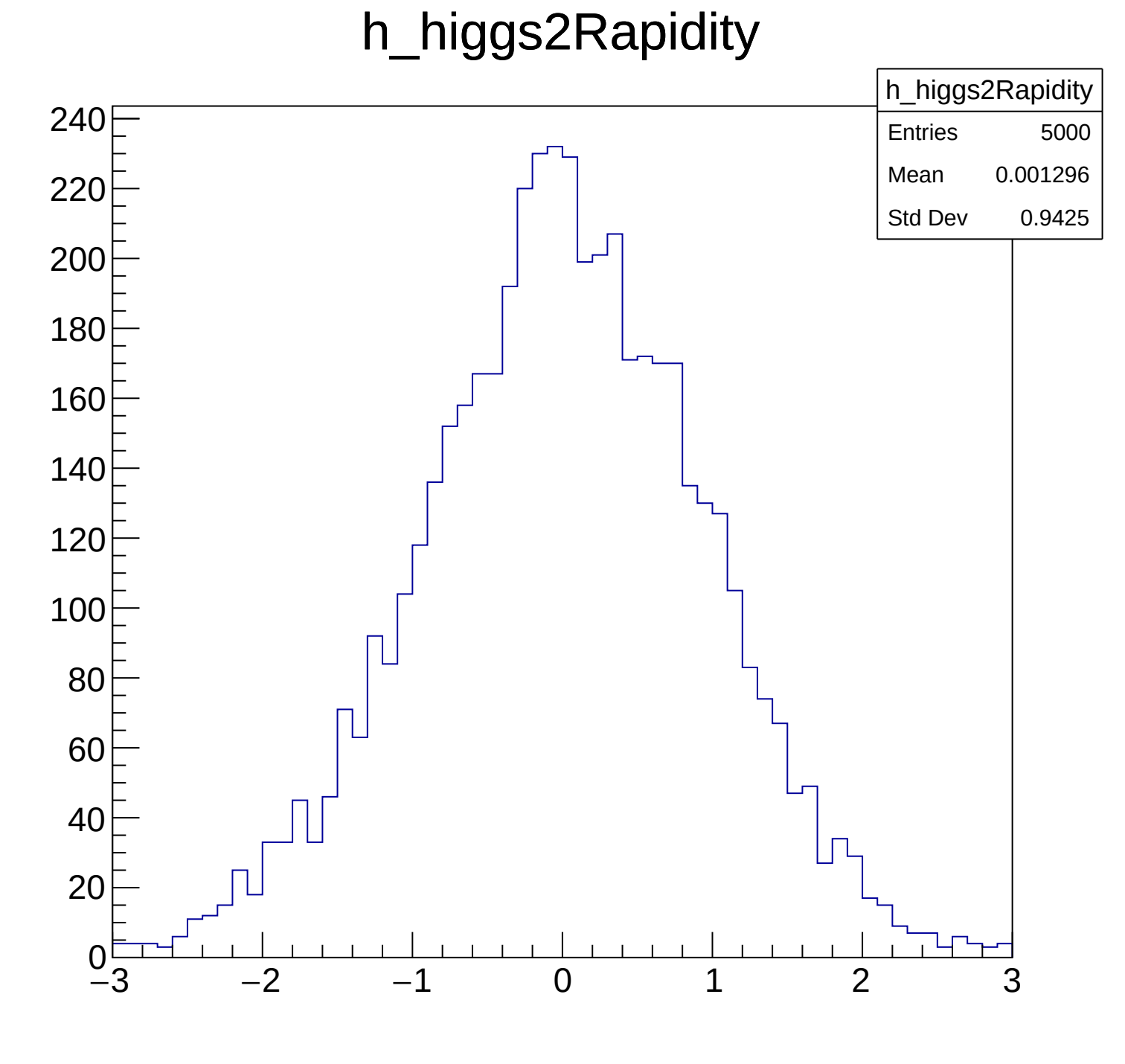

h_higgs1Pt
h_higgs1Pt
Entries 5000
Mean 1106
Std Dev 365.2
400
350
300
250
200
150
100
50
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

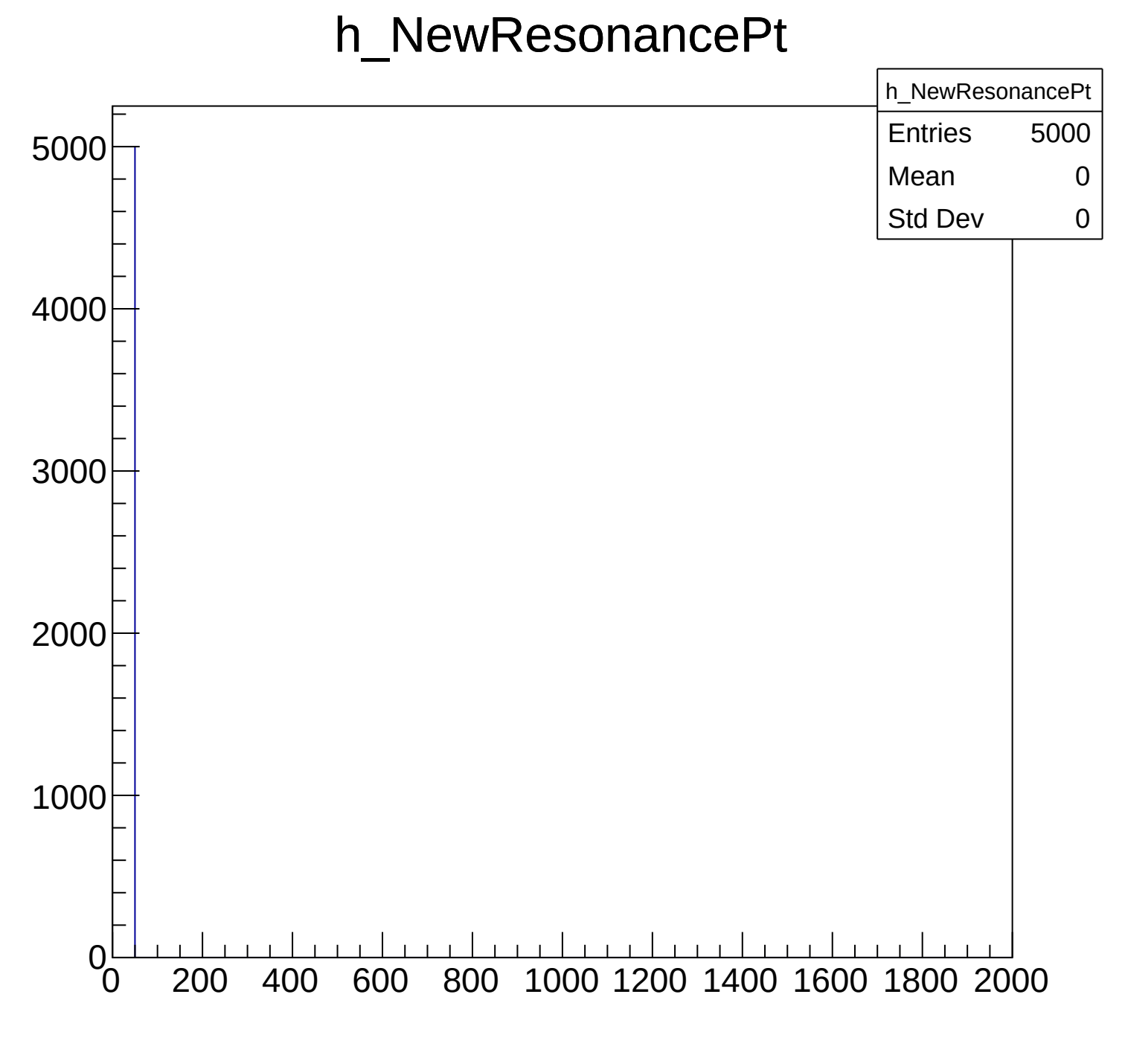

h_higgs1Pz
h_higgs1Pz
Entries 5000
Mean 3.449
Std Dev 929
180
160
140
120
100
80
60
40
–2000
–1500
–1000
–500
0
500
1000
1500
2000

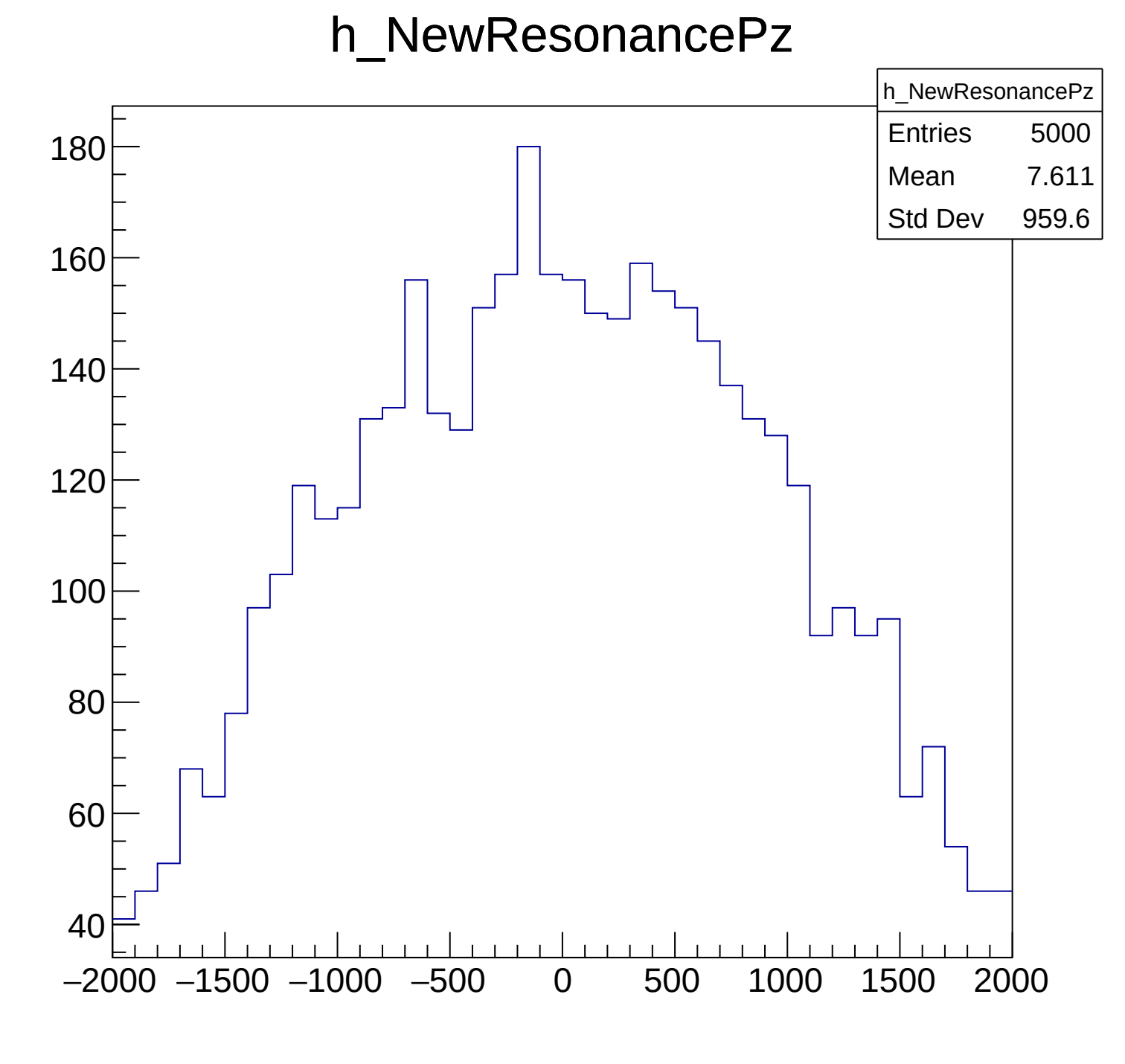

h_higgs1Rapidity
h_higgs1Rapidity
Entries 5000
Mean 0.003997
Std Dev 0.9526
240
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3

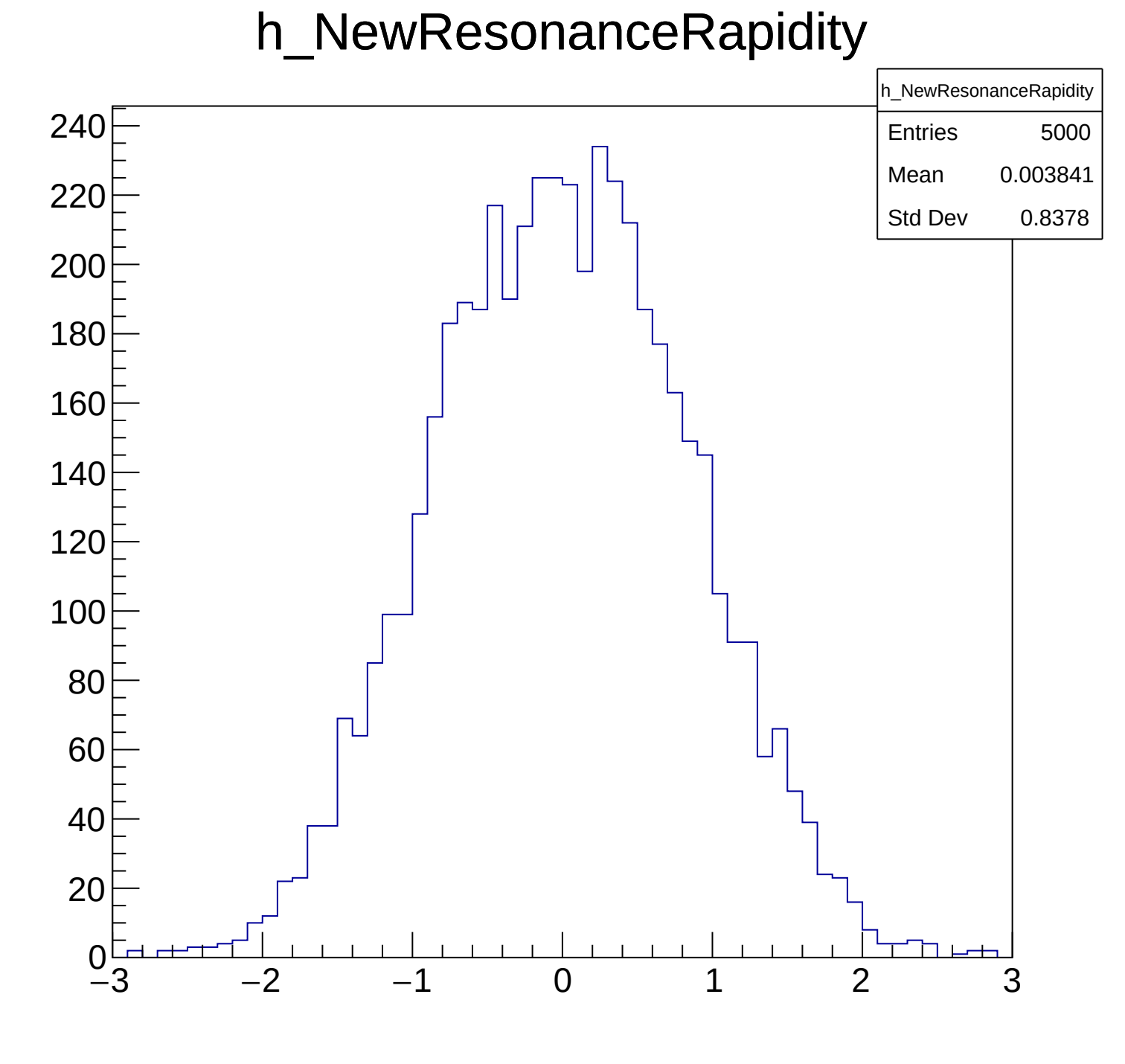

h_higgs2Pt
h_higgs2Pt
Entries 5000
Mean 1106
Std Dev 365.2
400
350
300
250
200
150
100
50
0
0
200
400
600
800
1000
1200
1400
1600
1800
2000

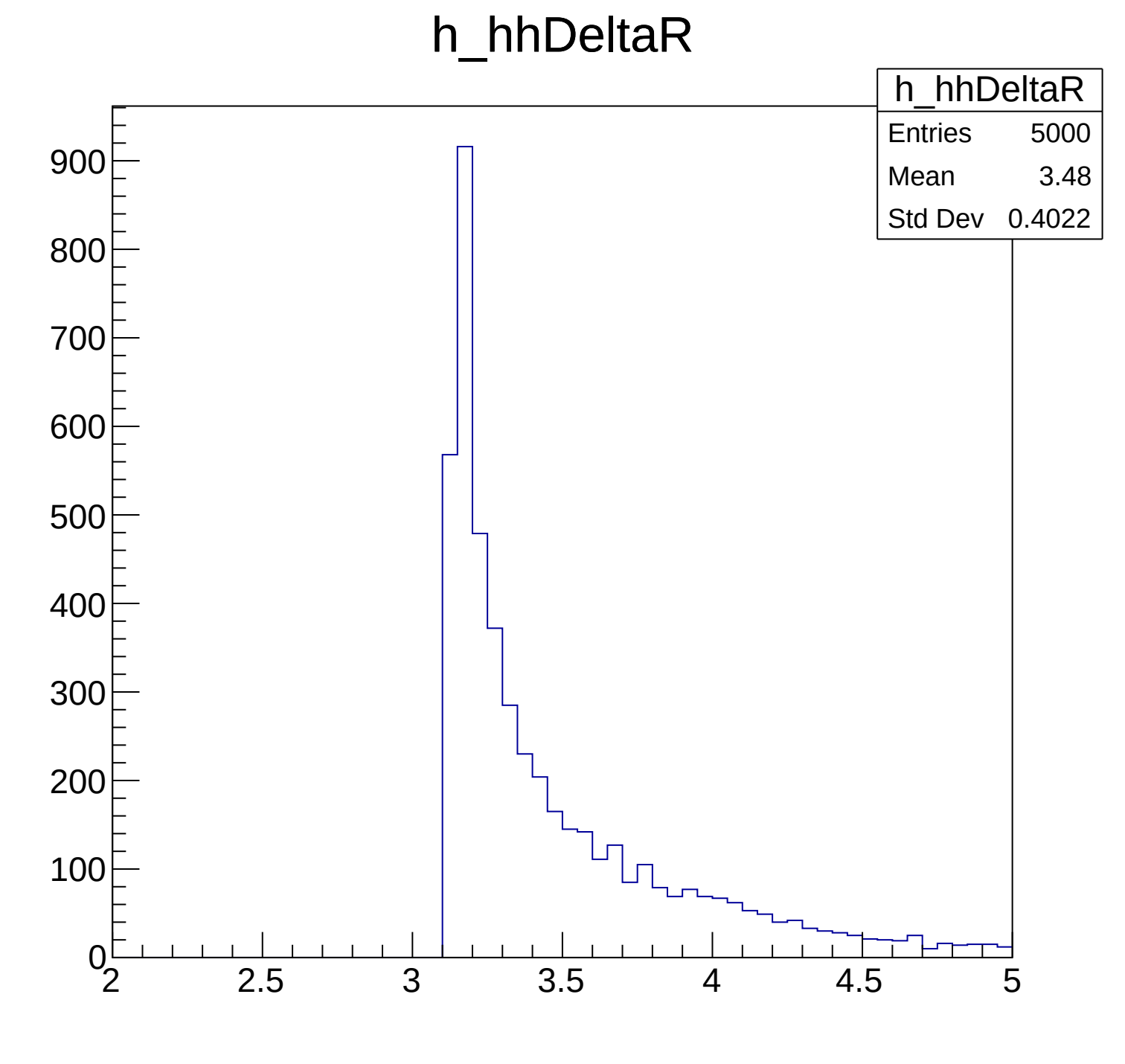

h_higgs2Pz
h_higgs2Pz
Entries 5000
Mean 17.07
Std Dev 912.5
180
160
140
120
100
80
60
40
–2000
–1500
–1000
–500
0
500
1000
1500
2000


h_higgs2Rapidity
h_higgs2Rapidity
Entries 5000
Mean 0.001296
Std Dev 0.9425
240
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3


h_NewResonancePt
h_NewResonancePt
Entries 5000
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 5000
Mean 7.611
Std Dev 959.6
180
160
140
120
100
80
60
40
–2000
–1500
–1000
–500
0
500
1000
1500
2000


h_NewResonanceRapidity
h_NewResonanceRapidity
Entries 5000
Mean 0.003841
Std Dev 0.8378
240
220
200
180
160
140
120
100
80
60
40
20
0
−3
−2
−1
0
1
2
3


h_hhDeltaR
h_hhDeltaR
Entries 5000
Mean 3.48
Std Dev 0.4022
900
800
700
600
500
400
300
200
100
0
2
2.5
3
3.5
4
4.5
5