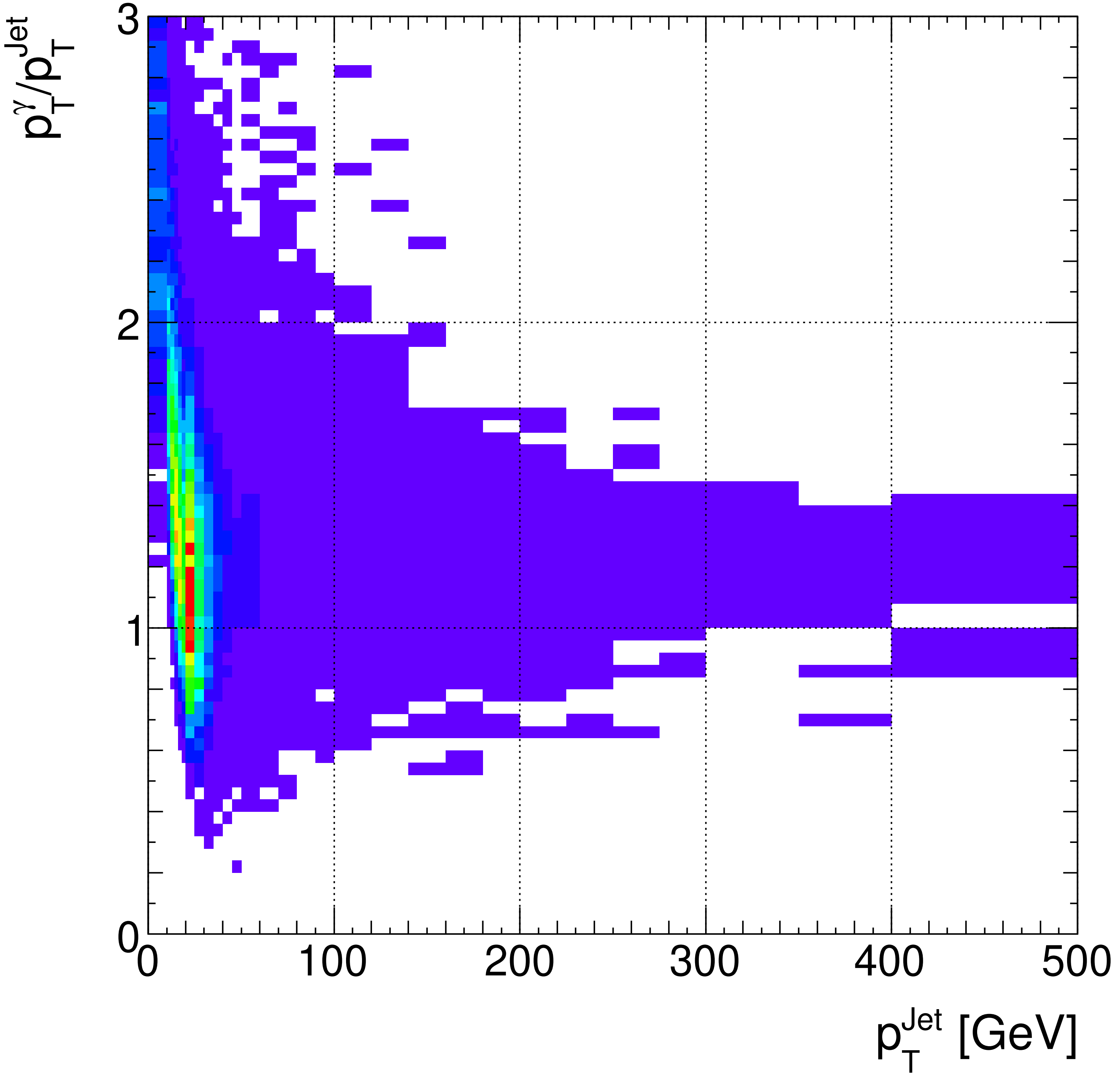
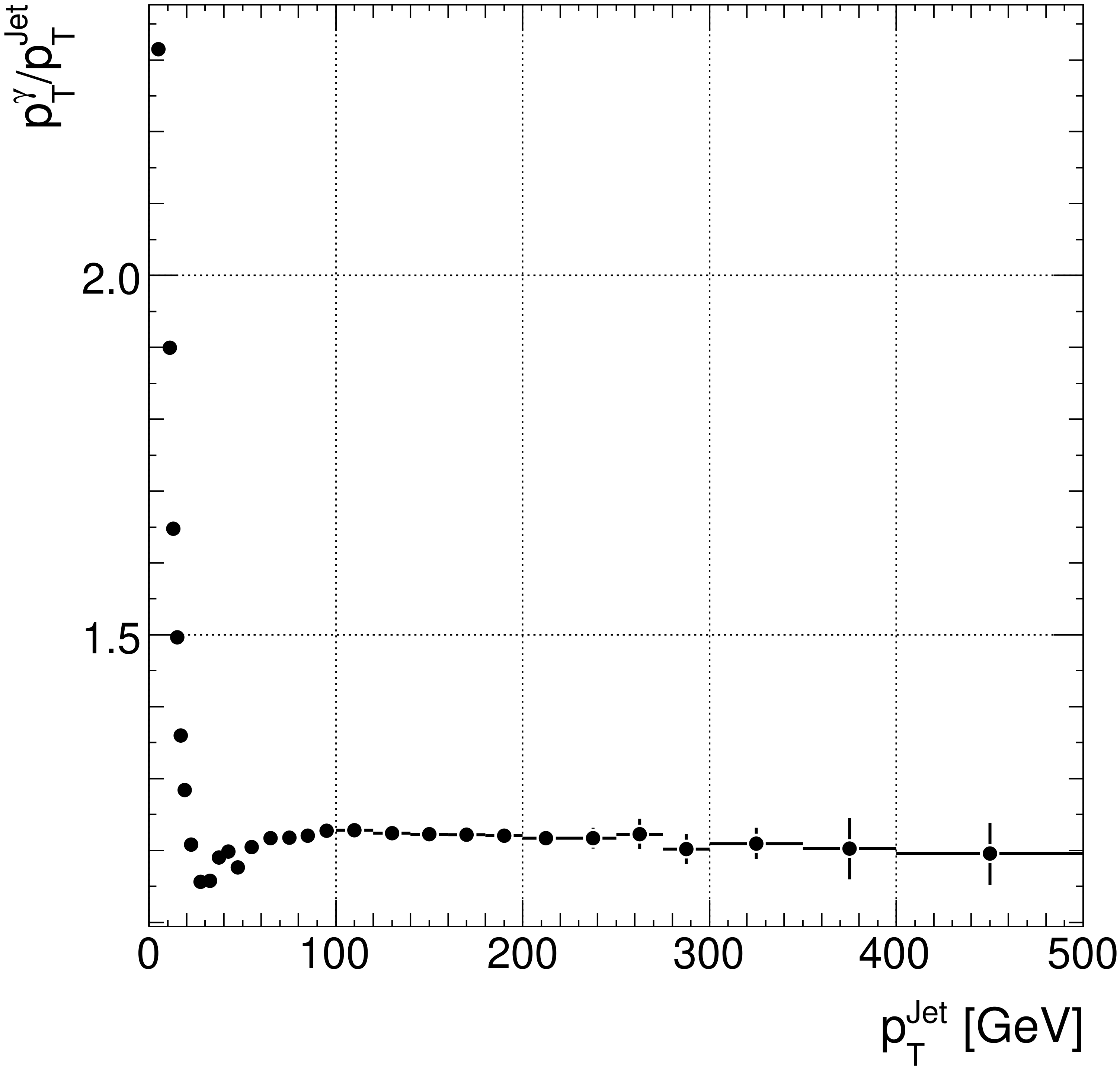
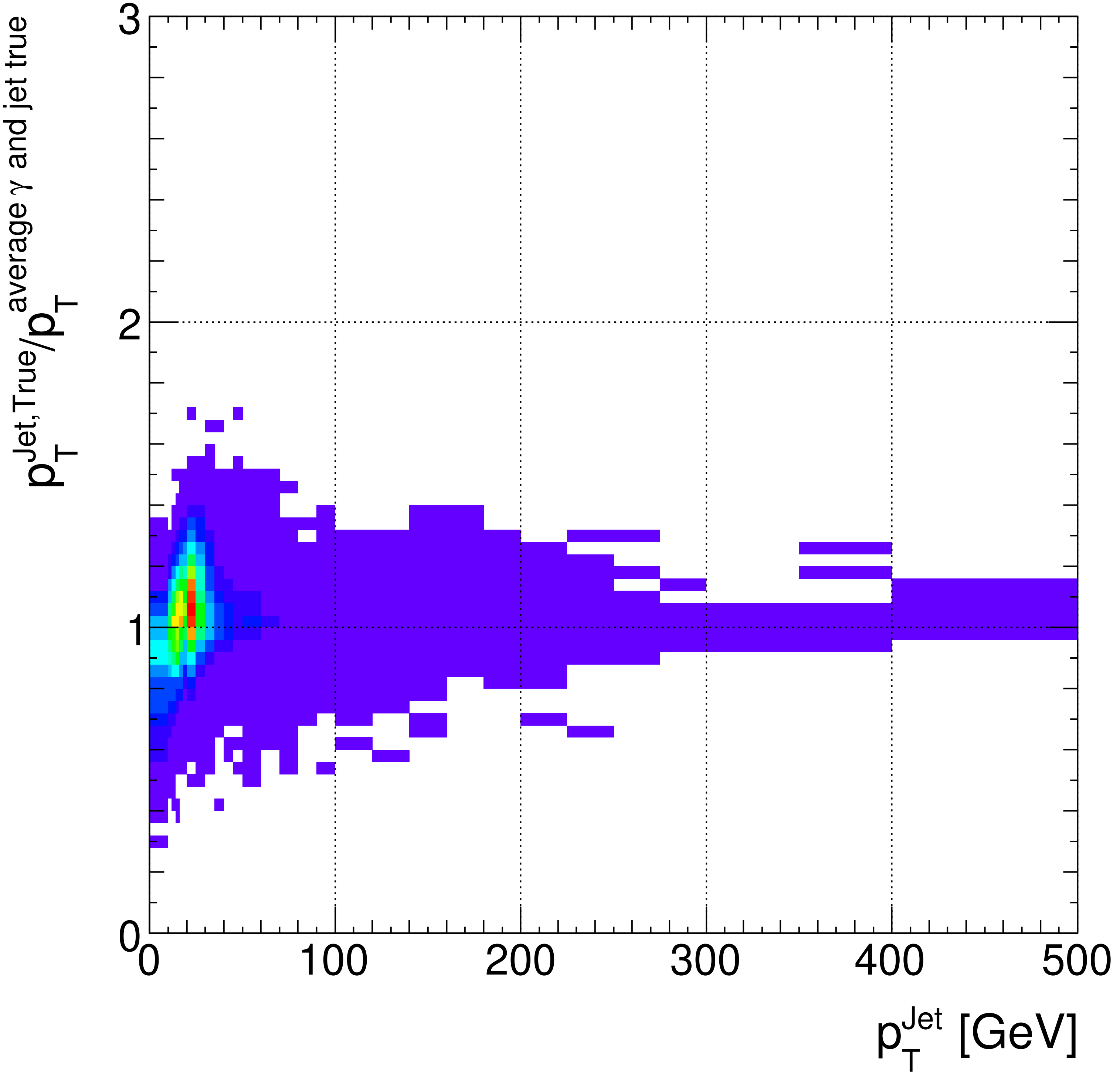


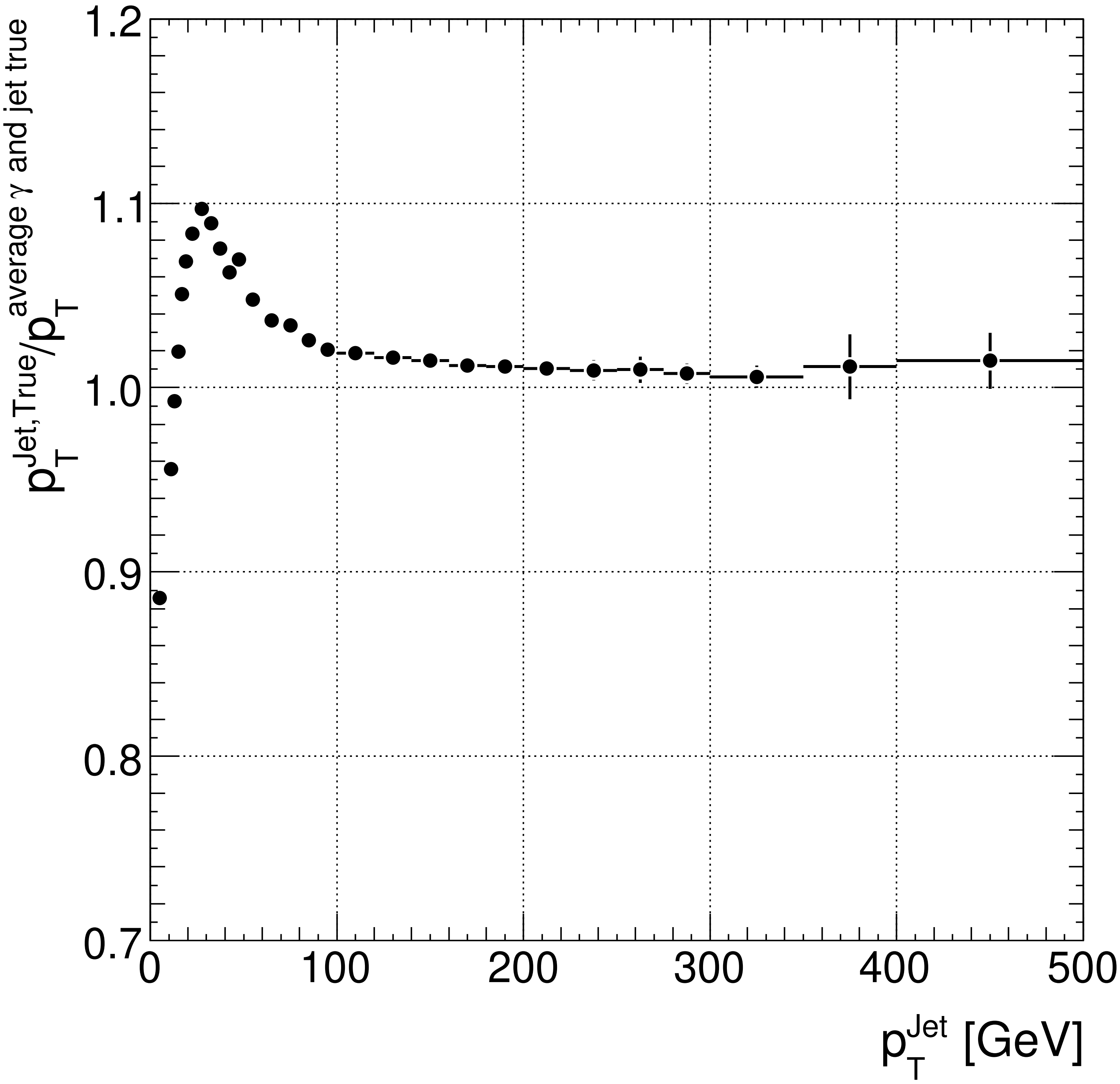
p_T^{γ}/p_T^{Jet}
3
2
1
0
0
100
200
300
400
500
p_T^{Jet} [GeV]



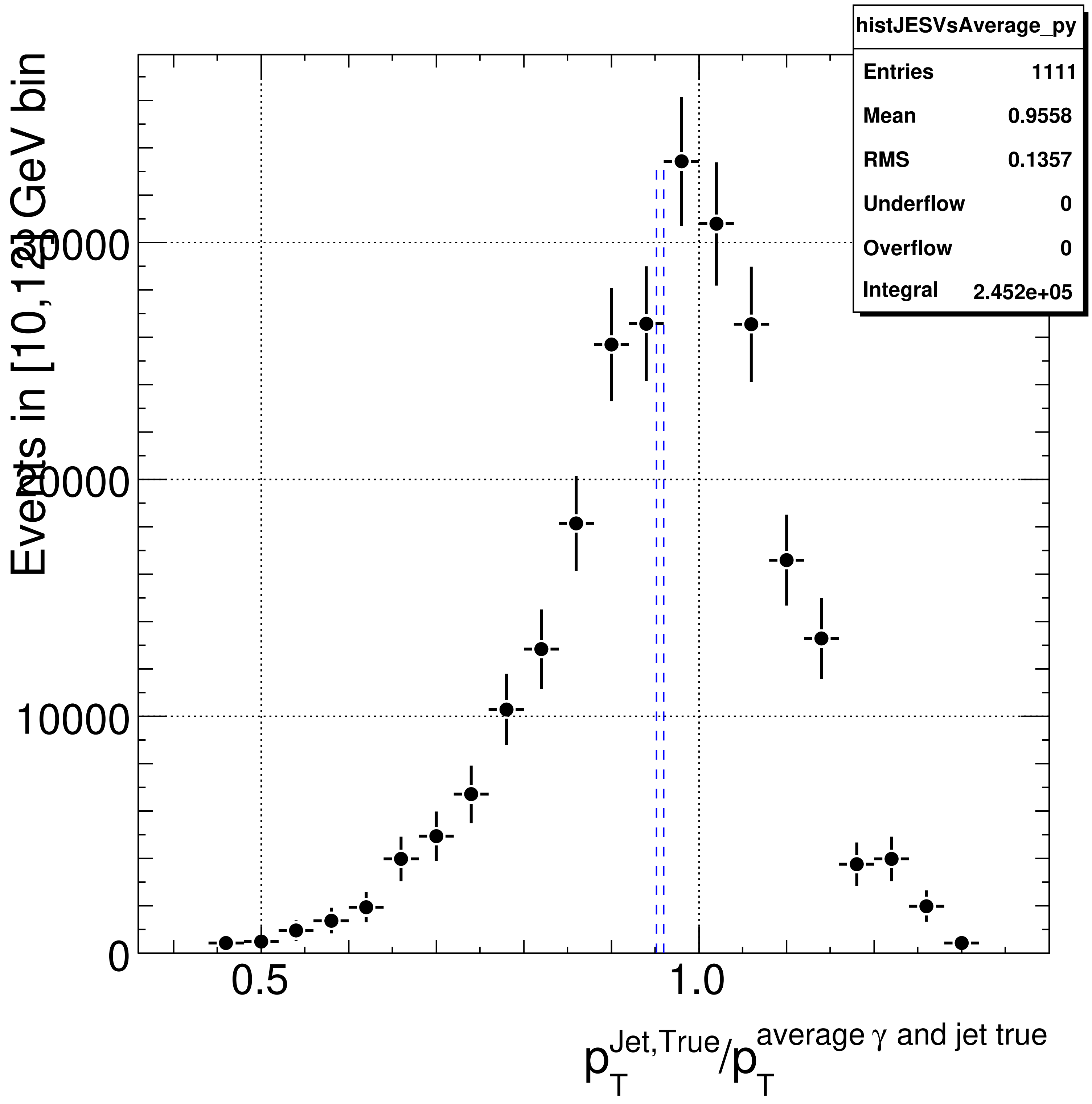
p_T^{γ}/p_T^{Jet}
2.0
1.5
0
100
200
300
400
500
p_T^{Jet} [GeV]



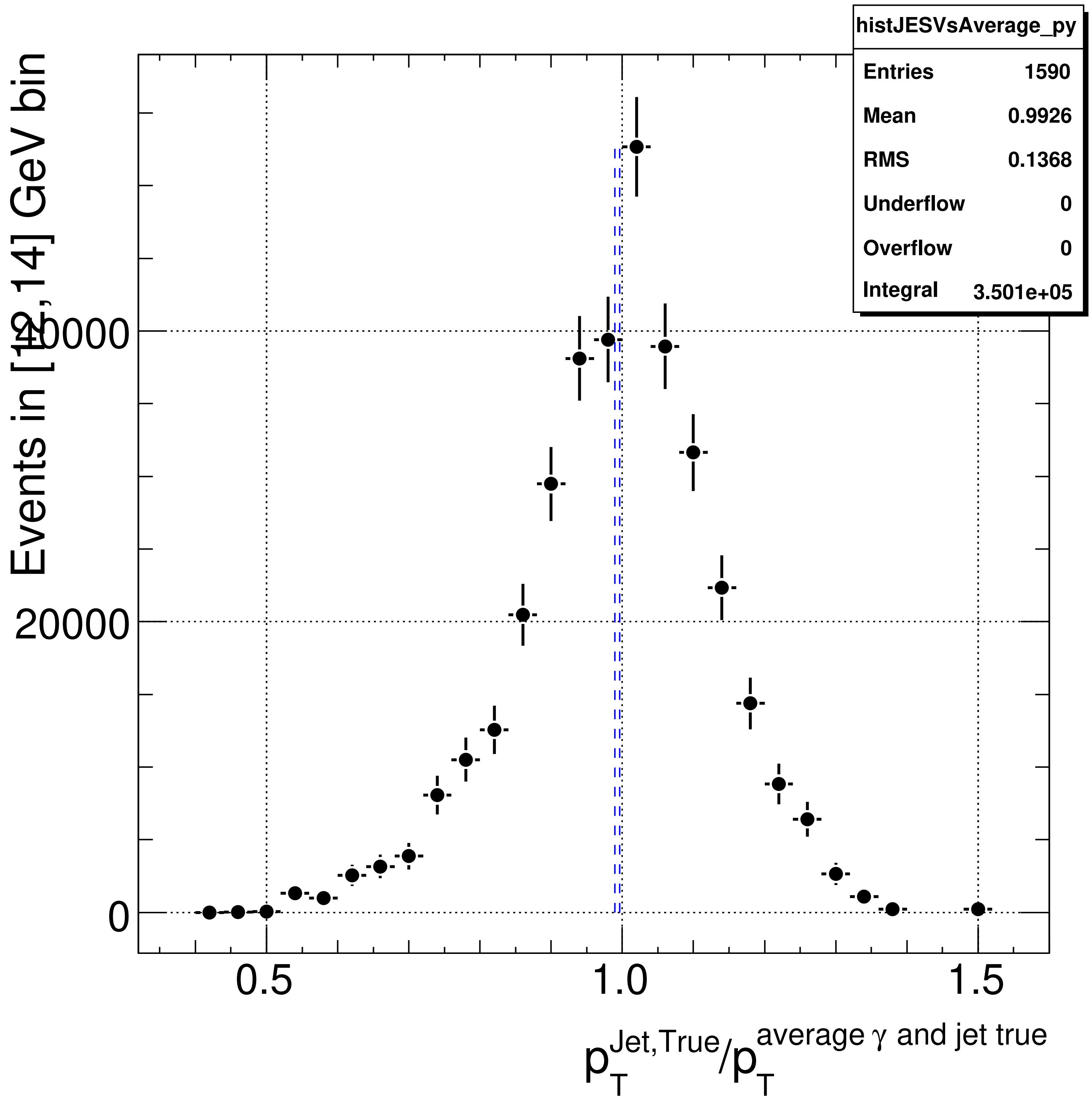
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$
3
2
1
0
0
100
200
300
400
500
p_T^{Jet} [GeV]

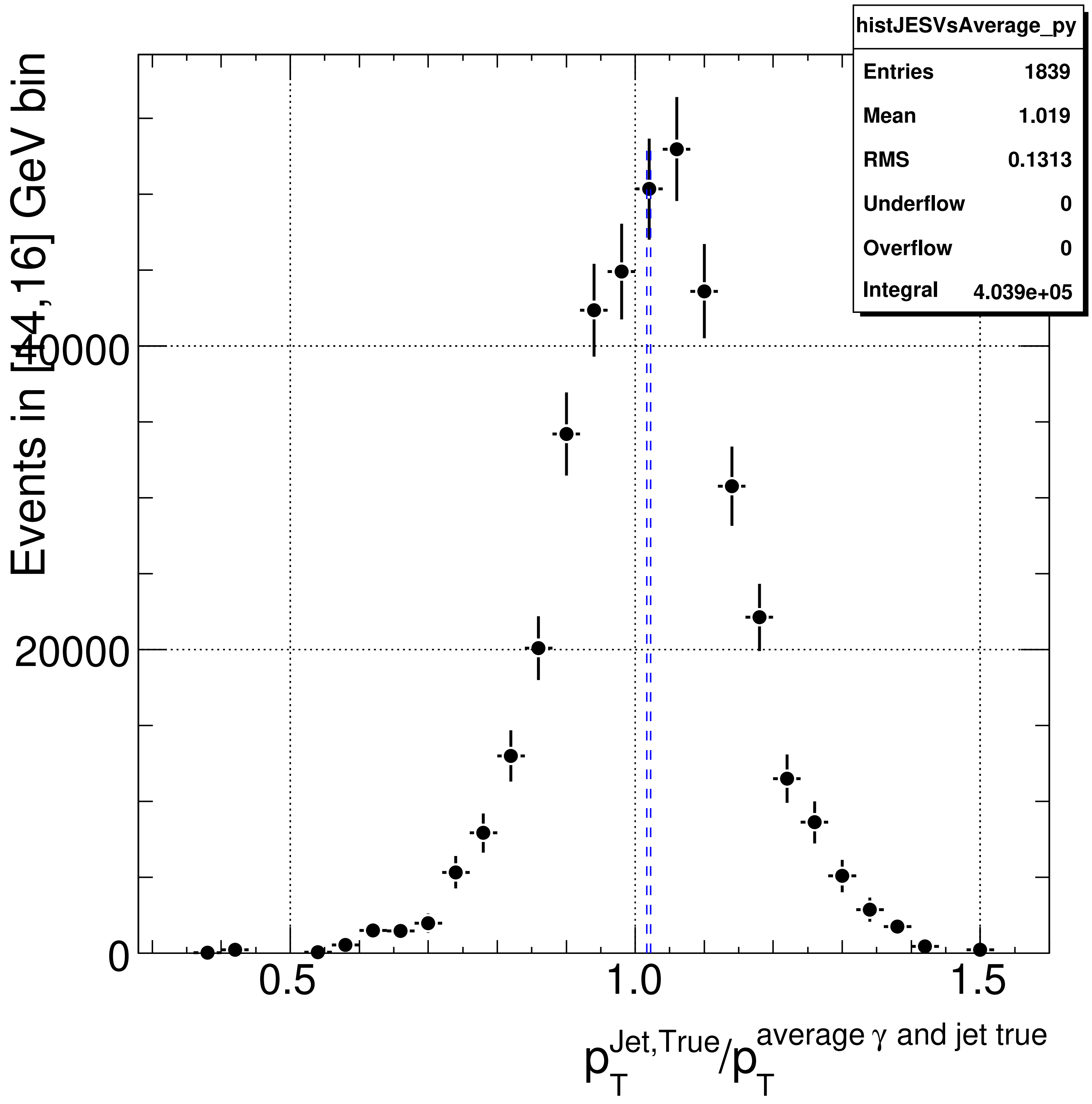


1.2
1.1
1.0
0.9
0.8
0.7
0
100
200
300
400
500
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$
p_T^{Jet} [GeV]

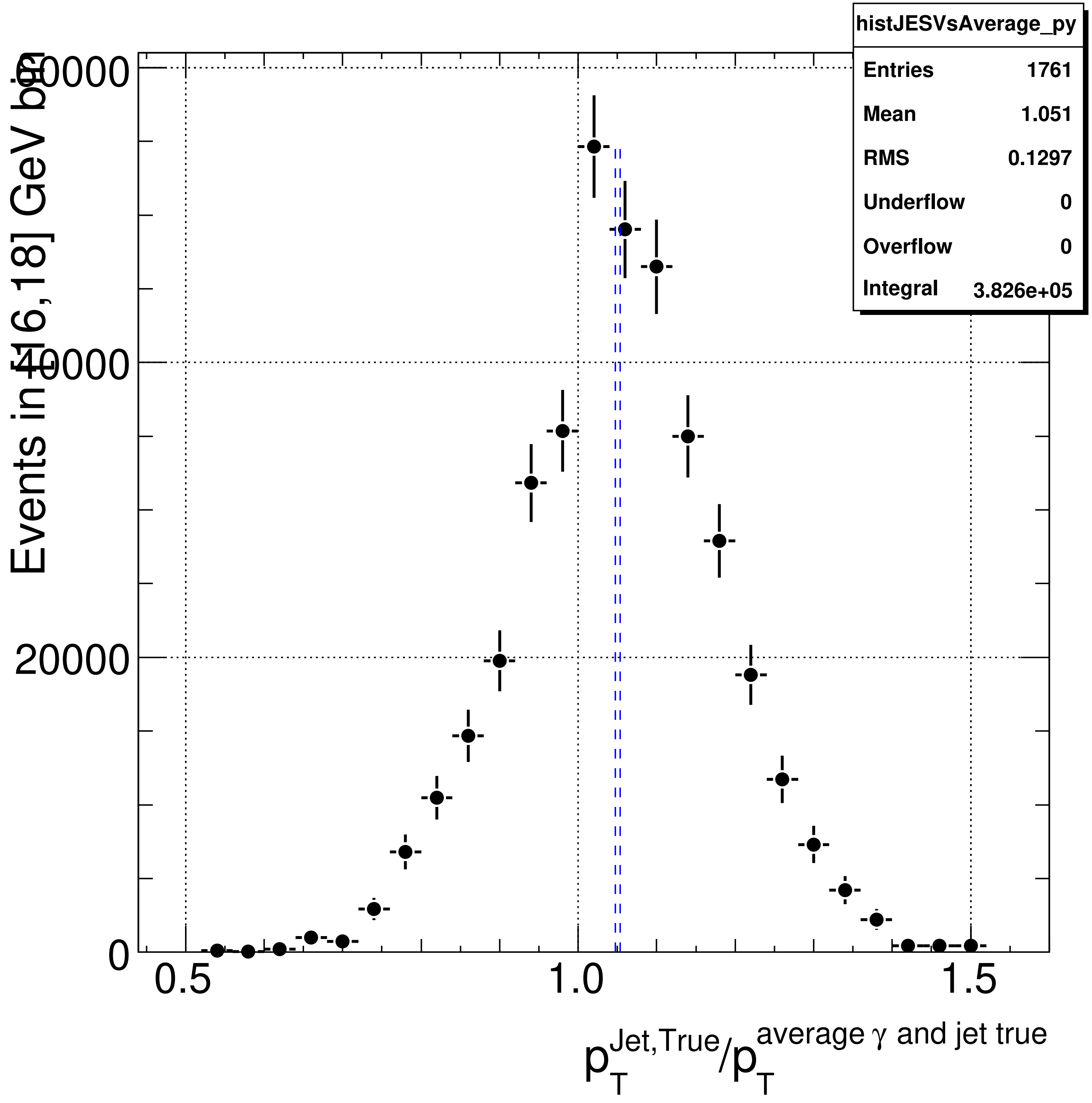


histJESVsAverage_py
Entries 1111
Mean 0.9558
RMS 0.1357
Underflow 0
Overflow 0
Integral 2.452e+05
Events in [10,120] GeV bin
0
10000
20000
30000
0.5
1.0
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

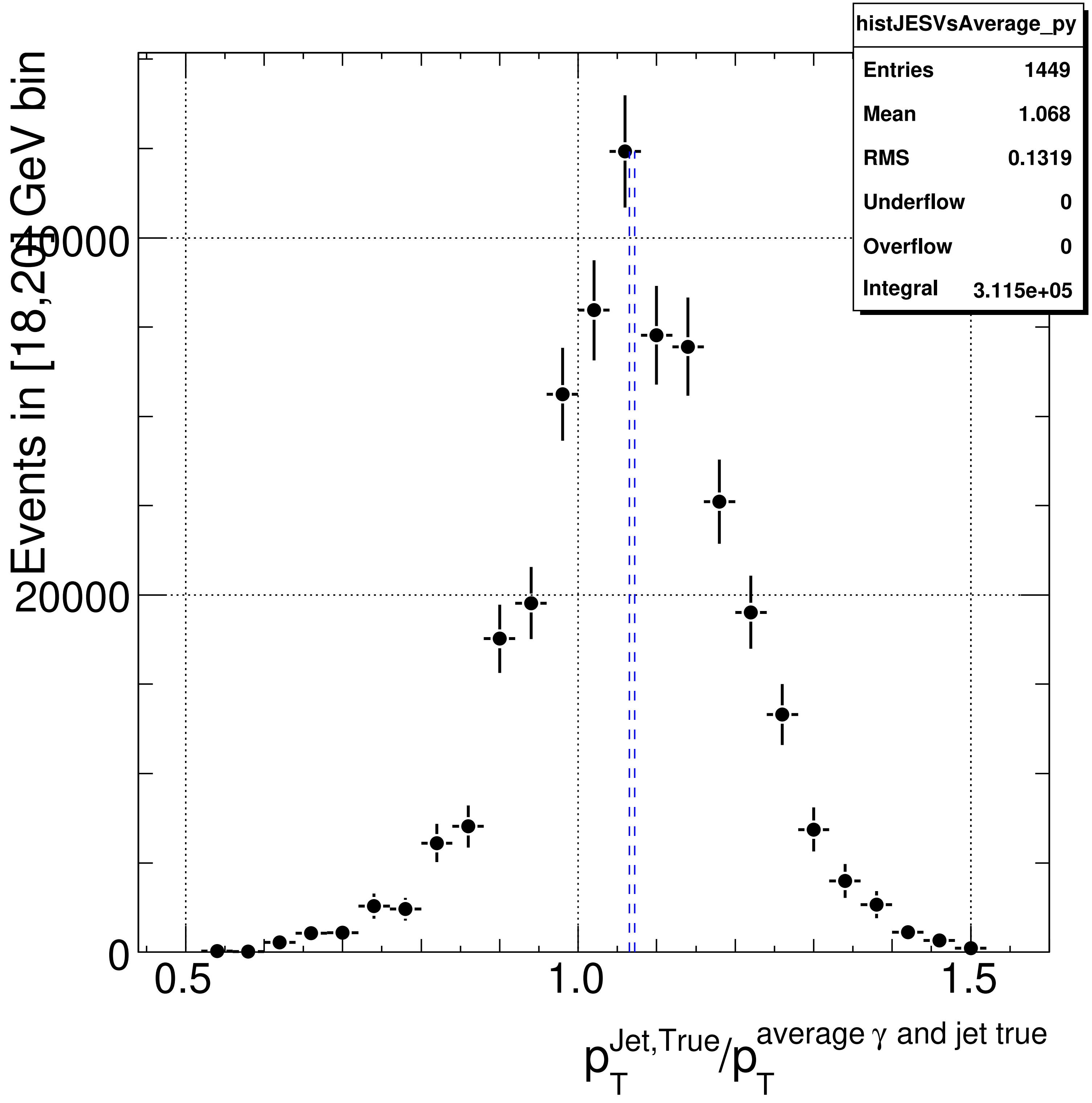

histJESVsAverage_py
Entries 1590
Mean 0.9926
RMS 0.1368
Underflow 0
Overflow 0
Integral 3.501e+05
Events in [12,14] GeV bin
40000
20000
0
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

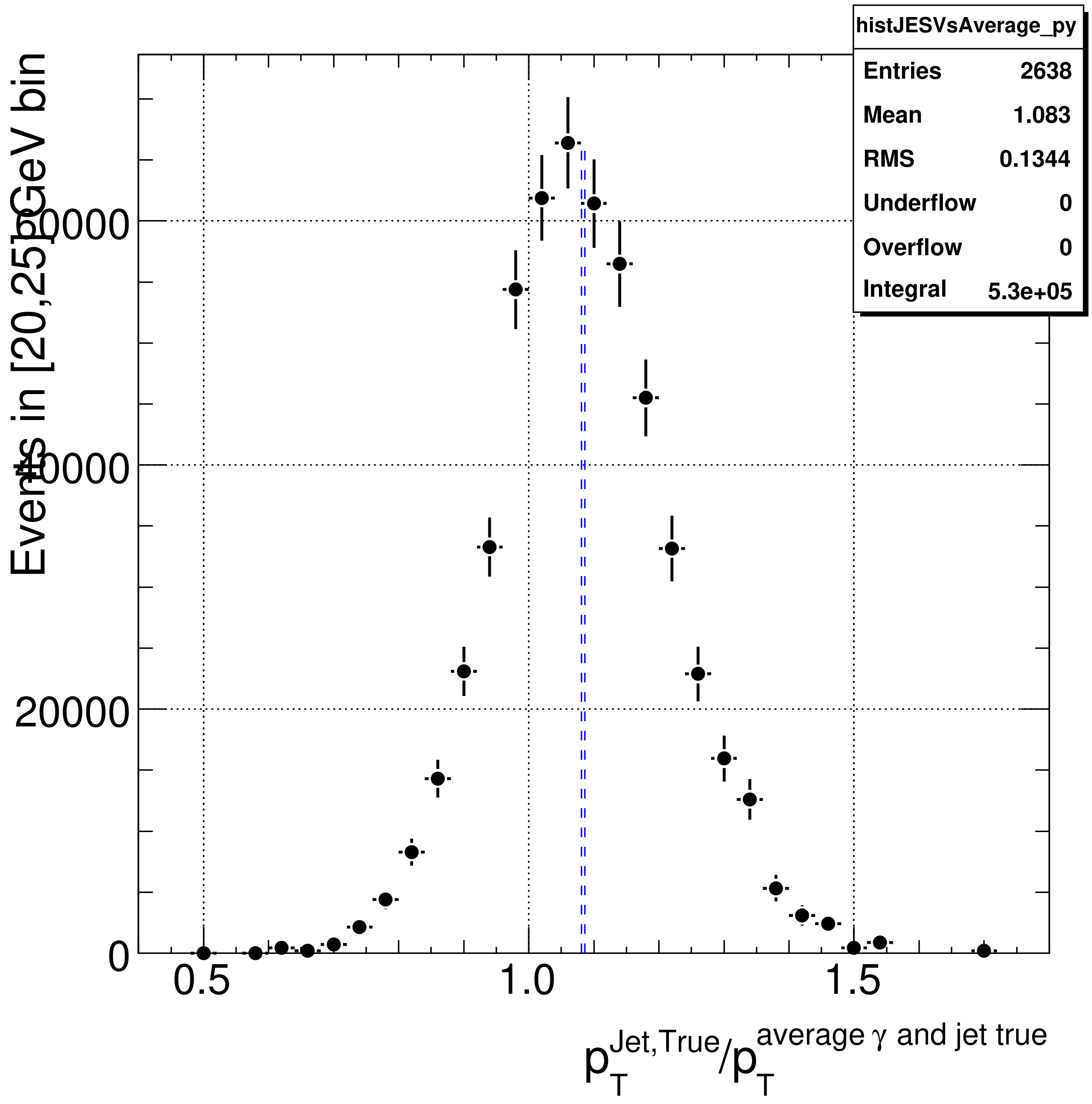


histJESVsAverage_py
Entries 1839
Mean 1.019
RMS 0.1313
Underflow 0
Overflow 0
Integral 4.039e+05
Events in [14,16] GeV bin
40000
20000
0
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

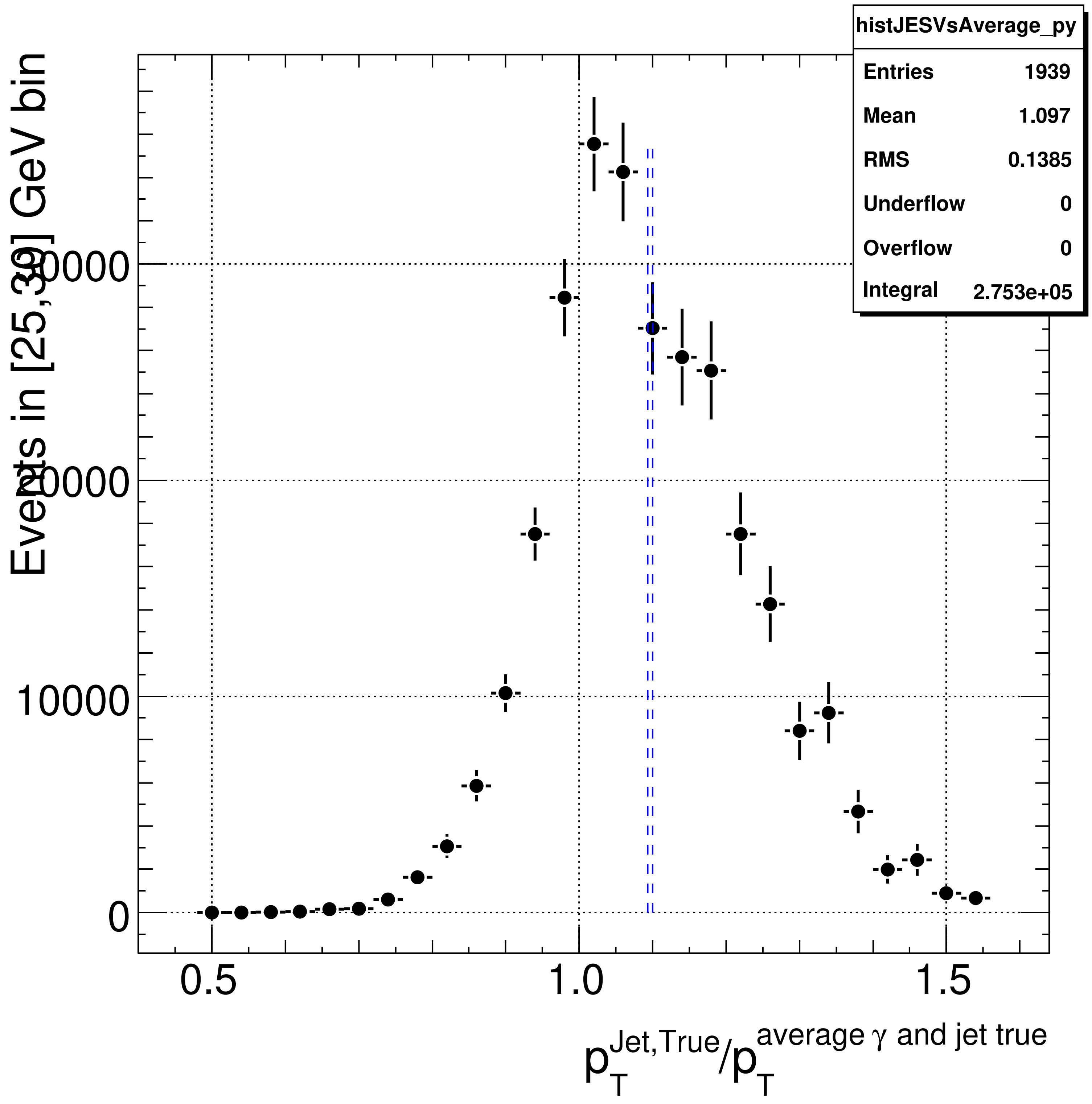


histJESVsAverage_py
Entries 1761
Mean 1.051
RMS 0.1297
Underflow 0
Overflow 0
Integral 3.826e+05
Events in [16,18] GeV bin
0
20000
40000
60000
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

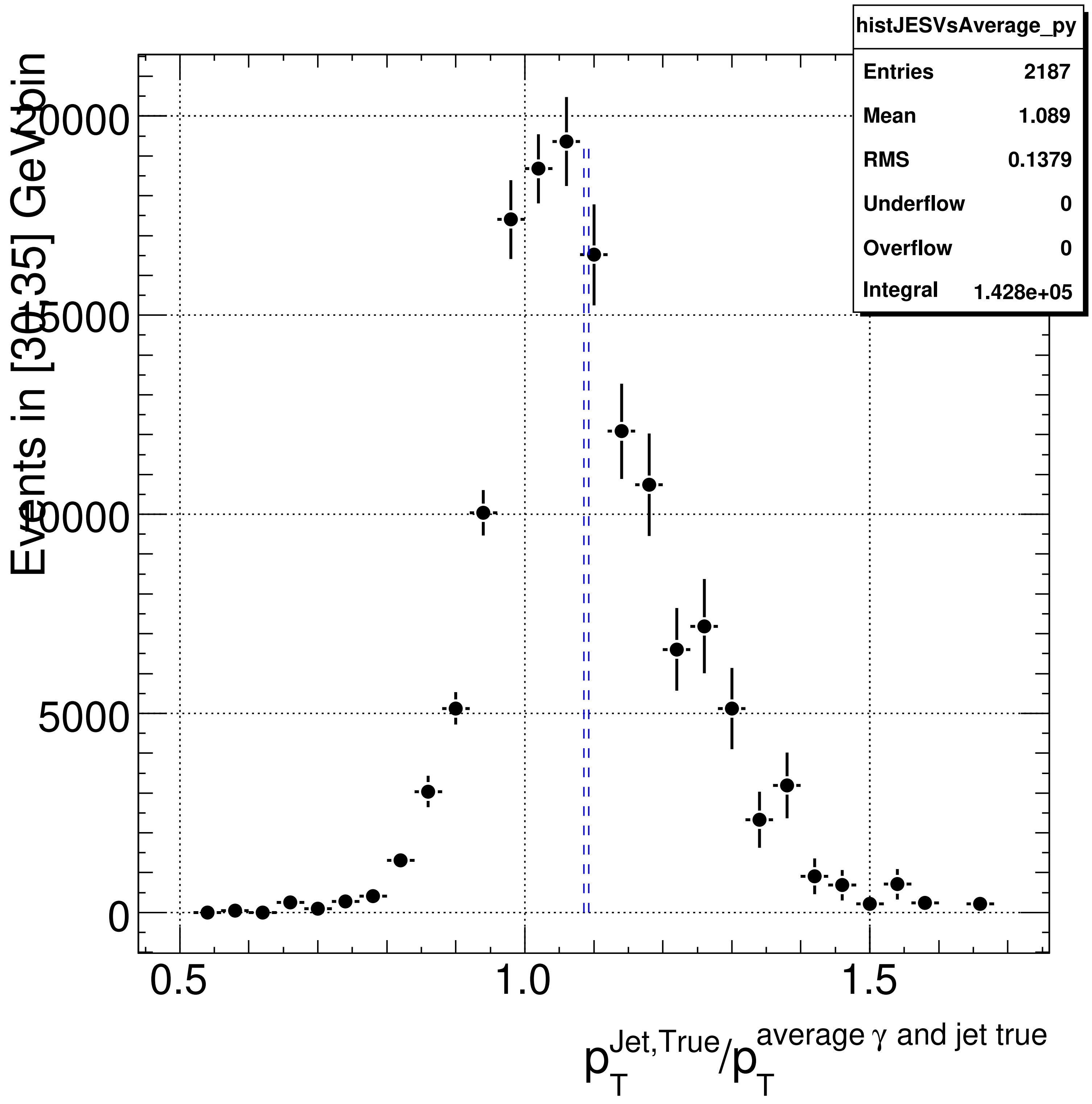

histJESVsAverage_py
Entries 1449
Mean 1.068
RMS 0.1319
Underflow 0
Overflow 0
Integral 3.115e+05
Events in [18,20] GeV bin
40000
20000
0
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$



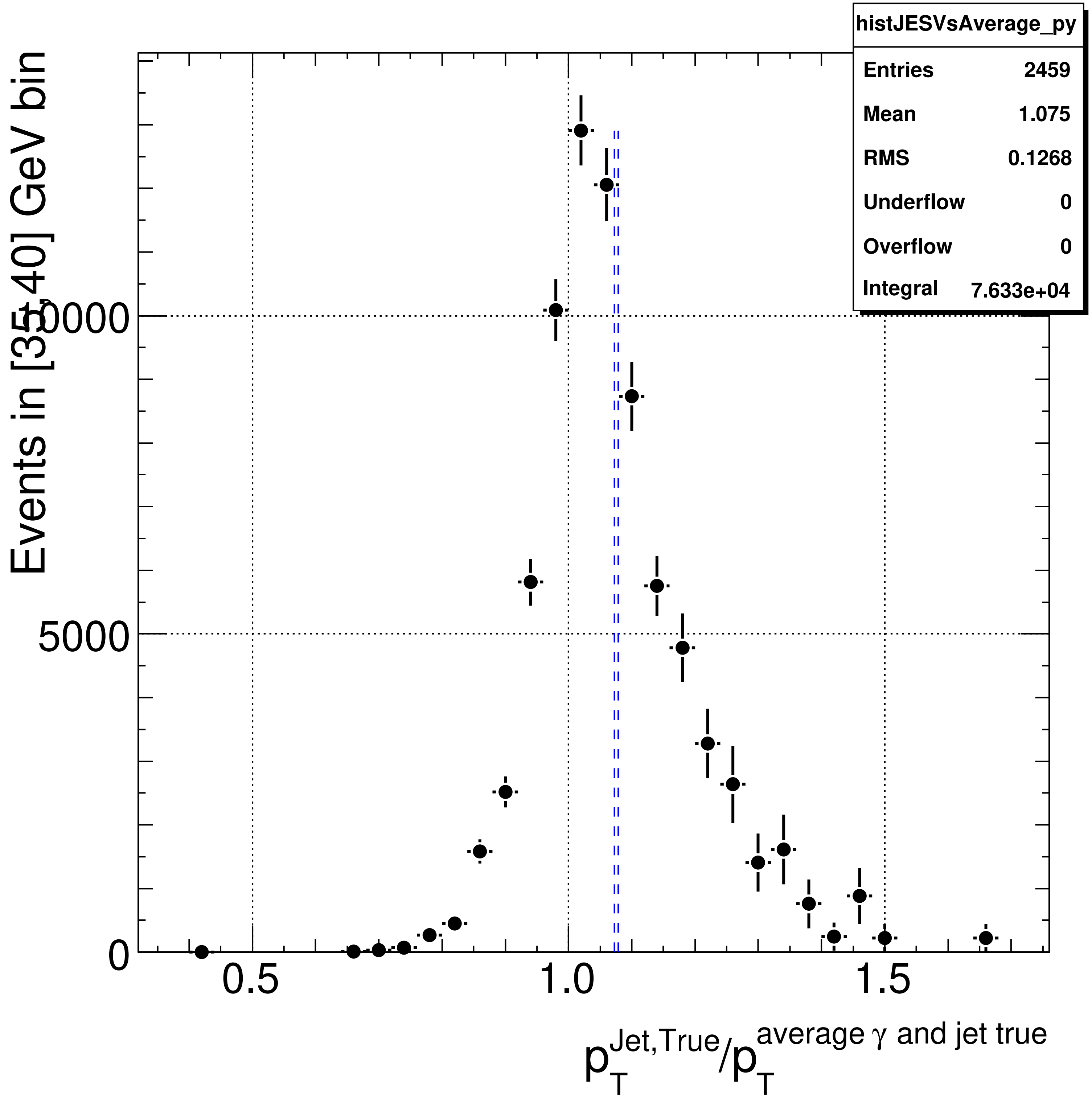
histJESVsAverage_py
Entries 2638
Mean 1.083
RMS 0.1344
Underflow 0
Overflow 0
Integral 5.3e+05
Events in [20,25] GeV bin
0
20000
40000
60000
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$



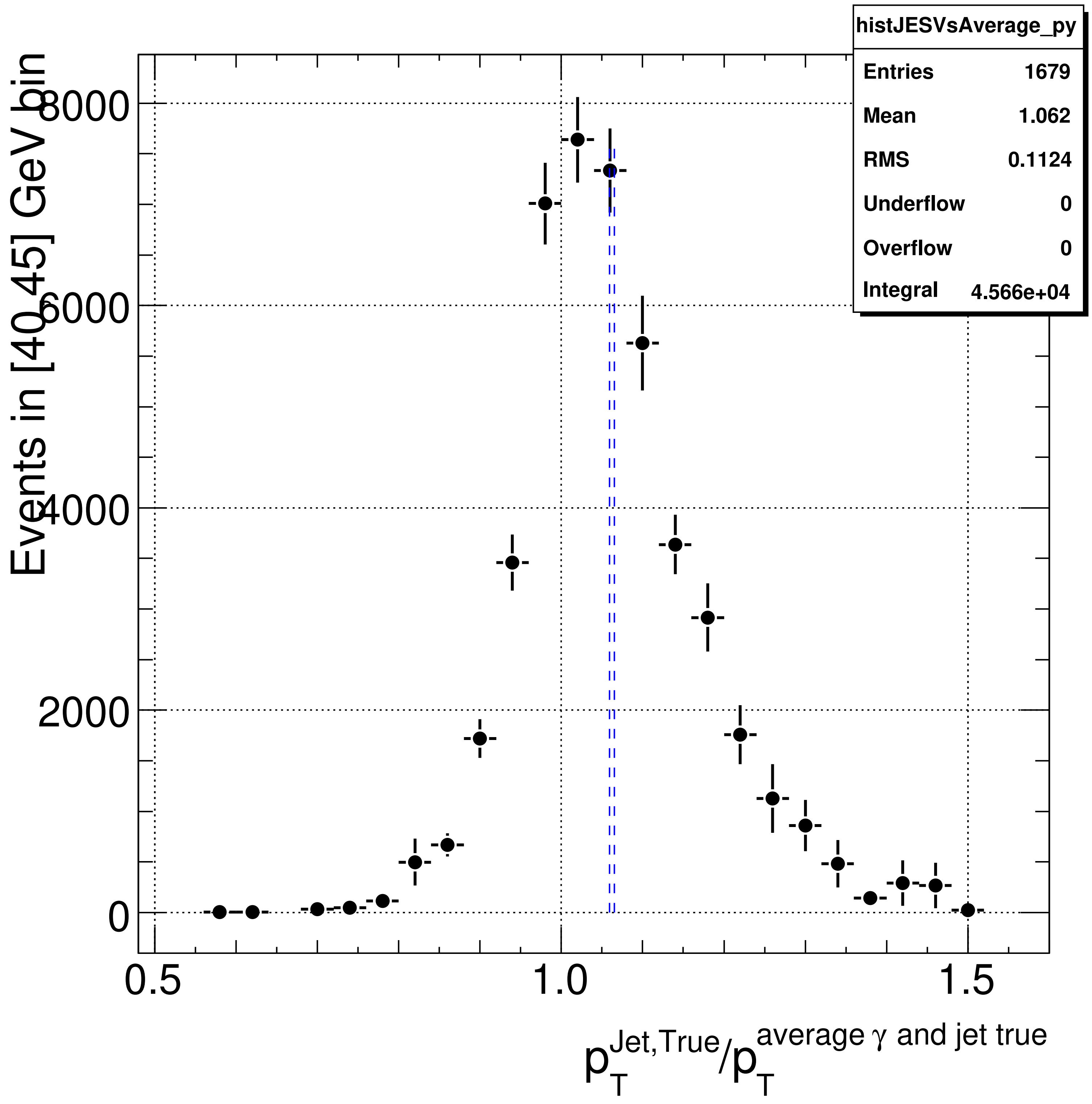
histJESVsAverage_py
Entries 1939
Mean 1.097
RMS 0.1385
Underflow 0
Overflow 0
Integral 2.753e+05
Events in [25,30] GeV bin
30000
20000
10000
0
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$



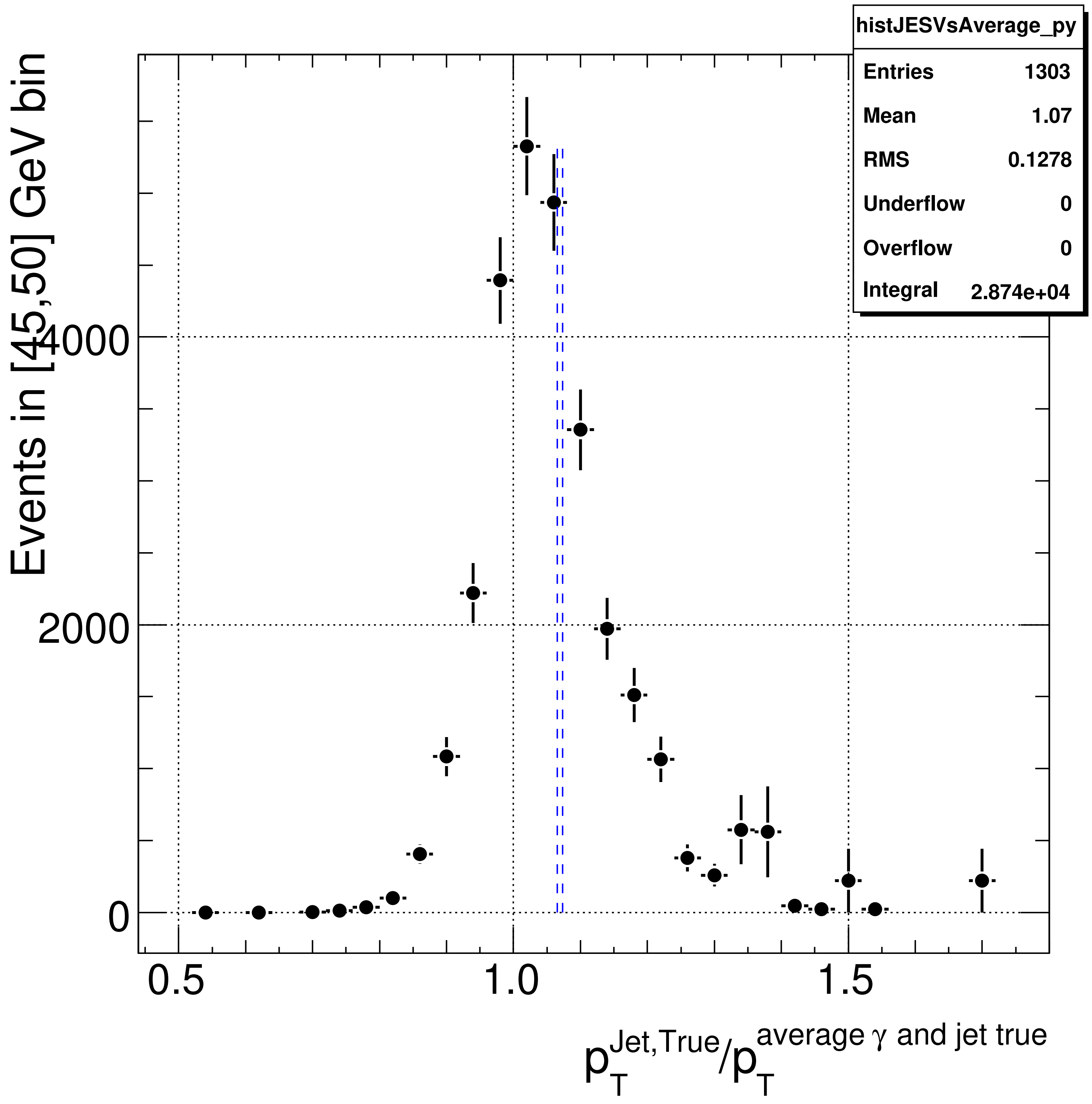
histJESVsAverage_py
Entries 2187
Mean 1.089
RMS 0.1379
Underflow 0
Overflow 0
Integral 1.428e+05
Events in [30, 35] GeV bin
0
5000
10000
15000
20000
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

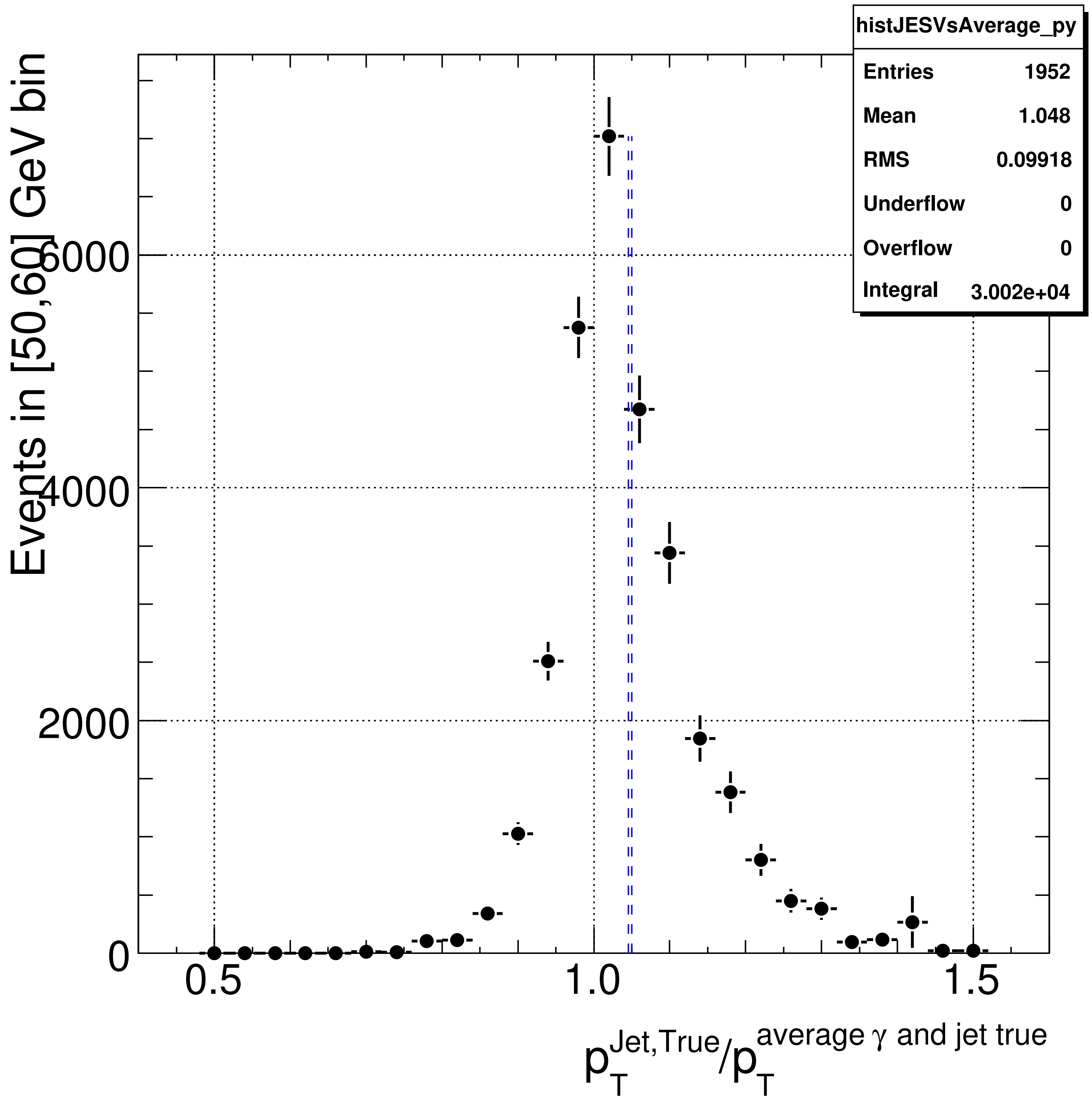


histJESVsAverage_py
Entries 2459
Mean 1.075
RMS 0.1268
Underflow 0
Overflow 0
Integral 7.633e+04
Events in [35,40] GeV bin
0
5000
10000
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

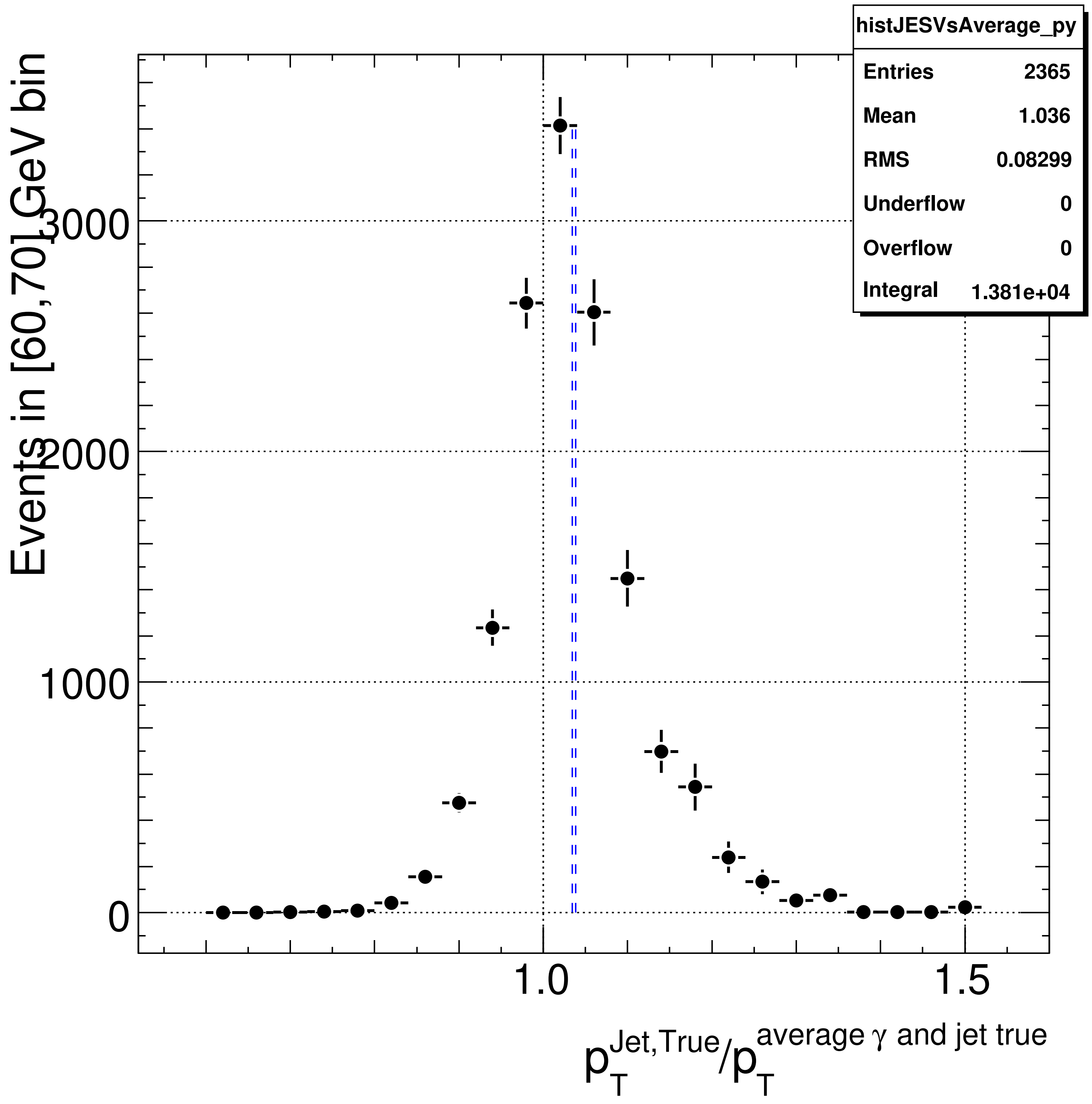


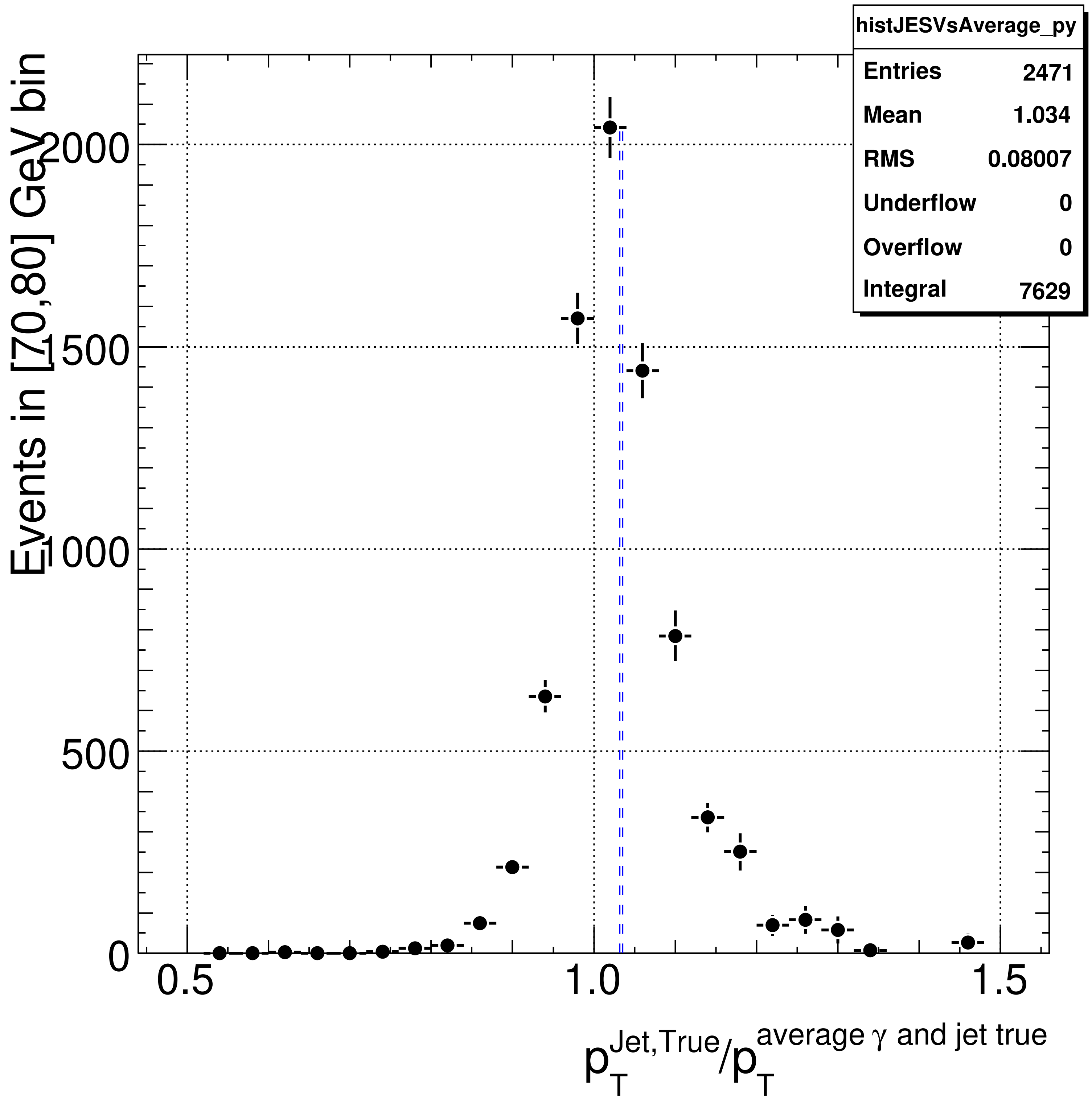
histJESVsAverage_py
Entries 1679
Mean 1.062
RMS 0.1124
Underflow 0
Overflow 0
Integral 4.566e+04
Events in [40,45] GeV bin
8000
6000
4000
2000
0
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

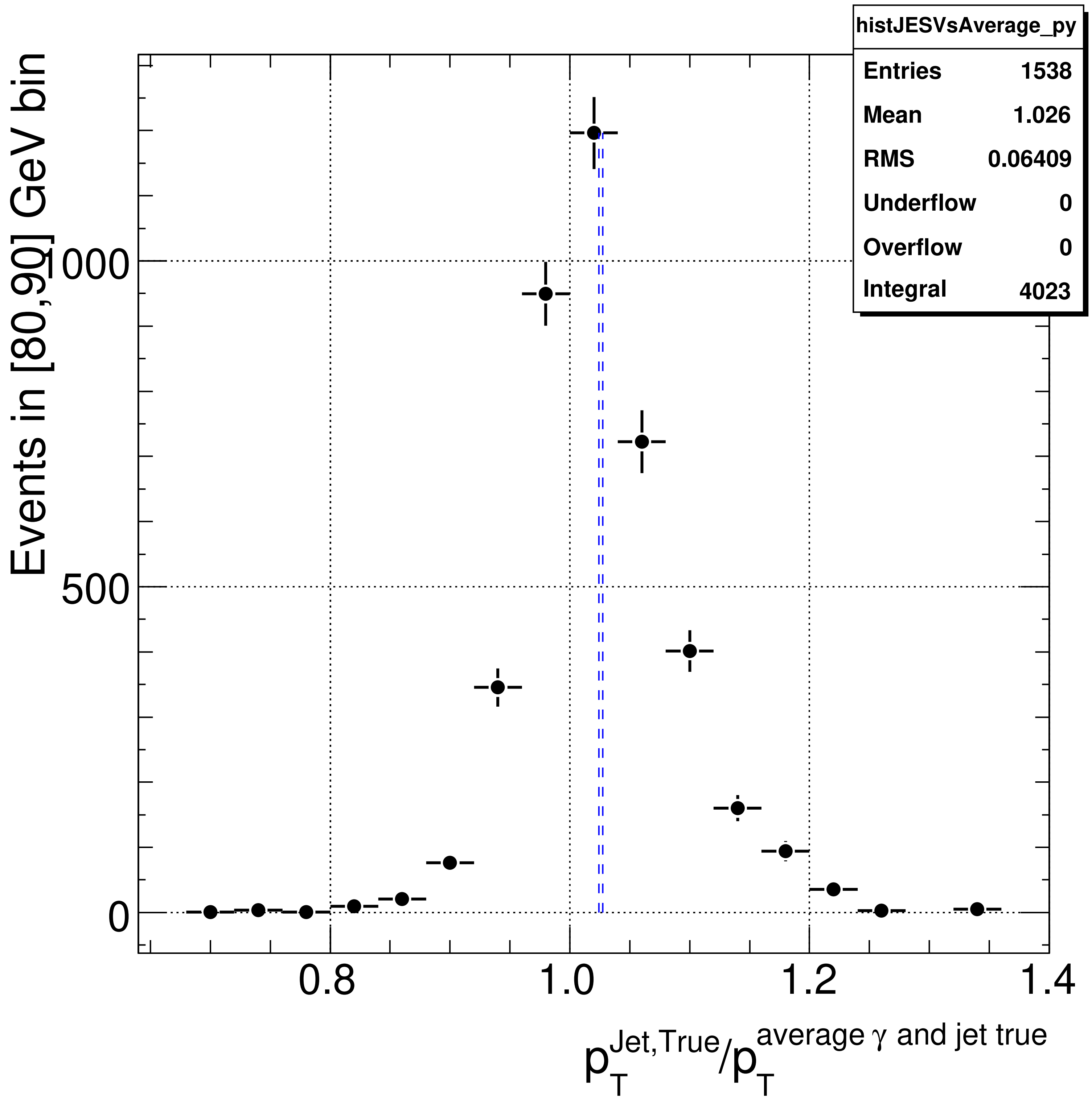

histJESVsAverage_py
Entries 1303
Mean 1.07
RMS 0.1278
Underflow 0
Overflow 0
Integral 2.874e+04
Events in [45,50] GeV bin
0
2000
4000
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$



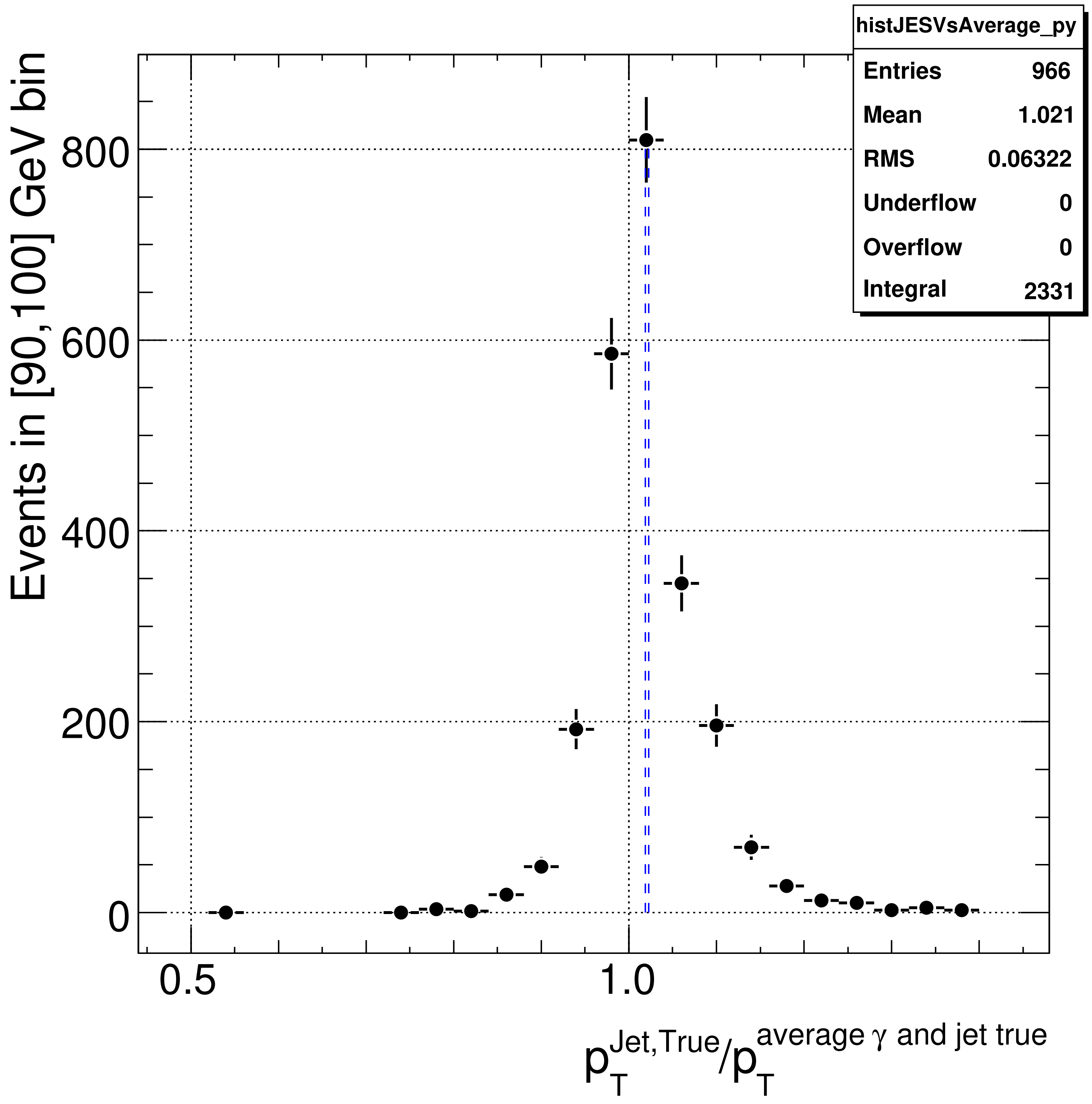
histJESVsAverage_py
Entries 1952
Mean 1.048
RMS 0.09918
Underflow 0
Overflow 0
Integral 3.002e+04
Events in [50,60] GeV bin
0
2000
4000
6000
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

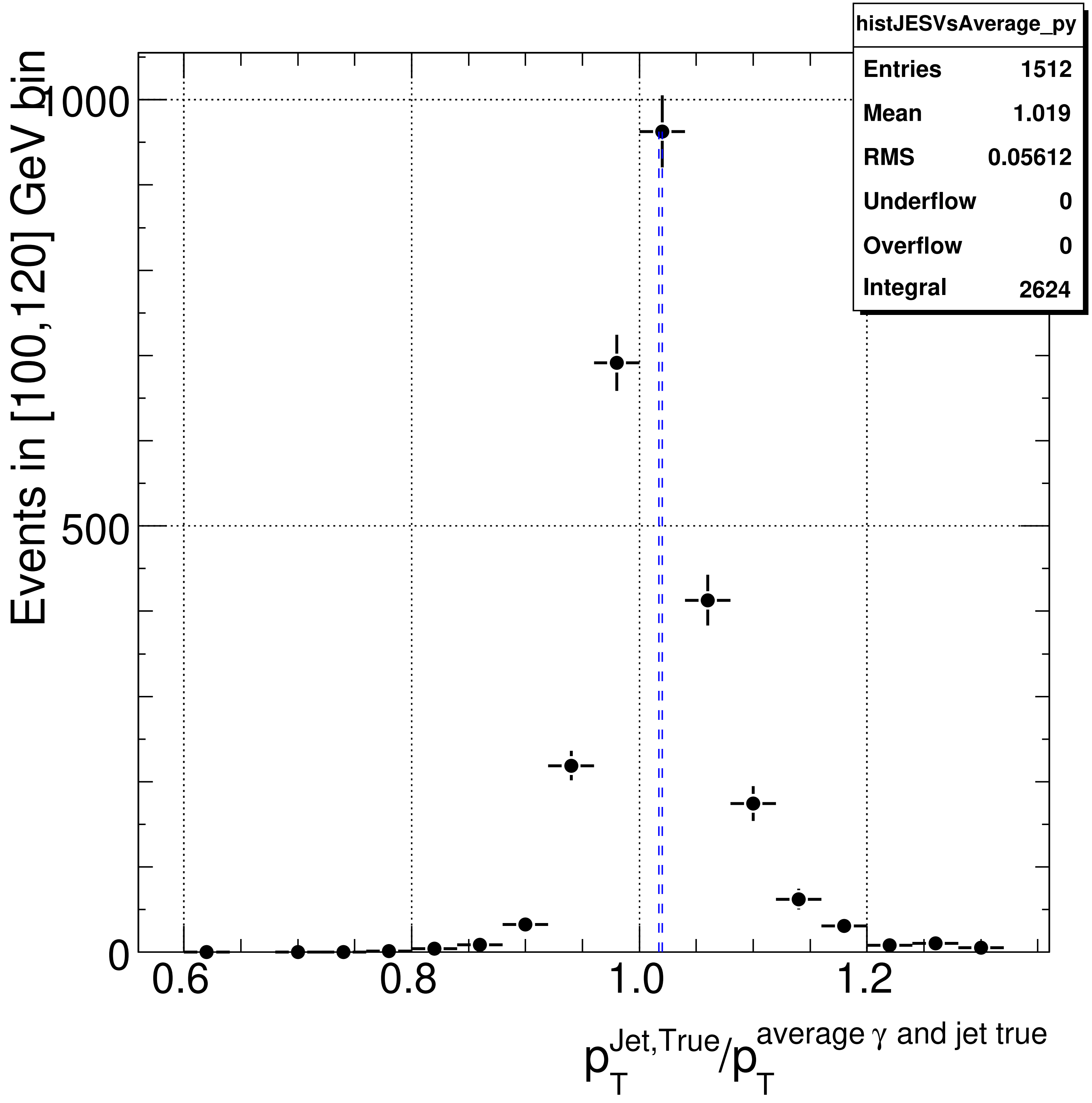

histJESVsAverage_py
Entries 2365
Mean 1.036
RMS 0.08299
Underflow 0
Overflow 0
Integral 1.381e+04
Events in [60,70] GeV bin
3000
2000
1000
0
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

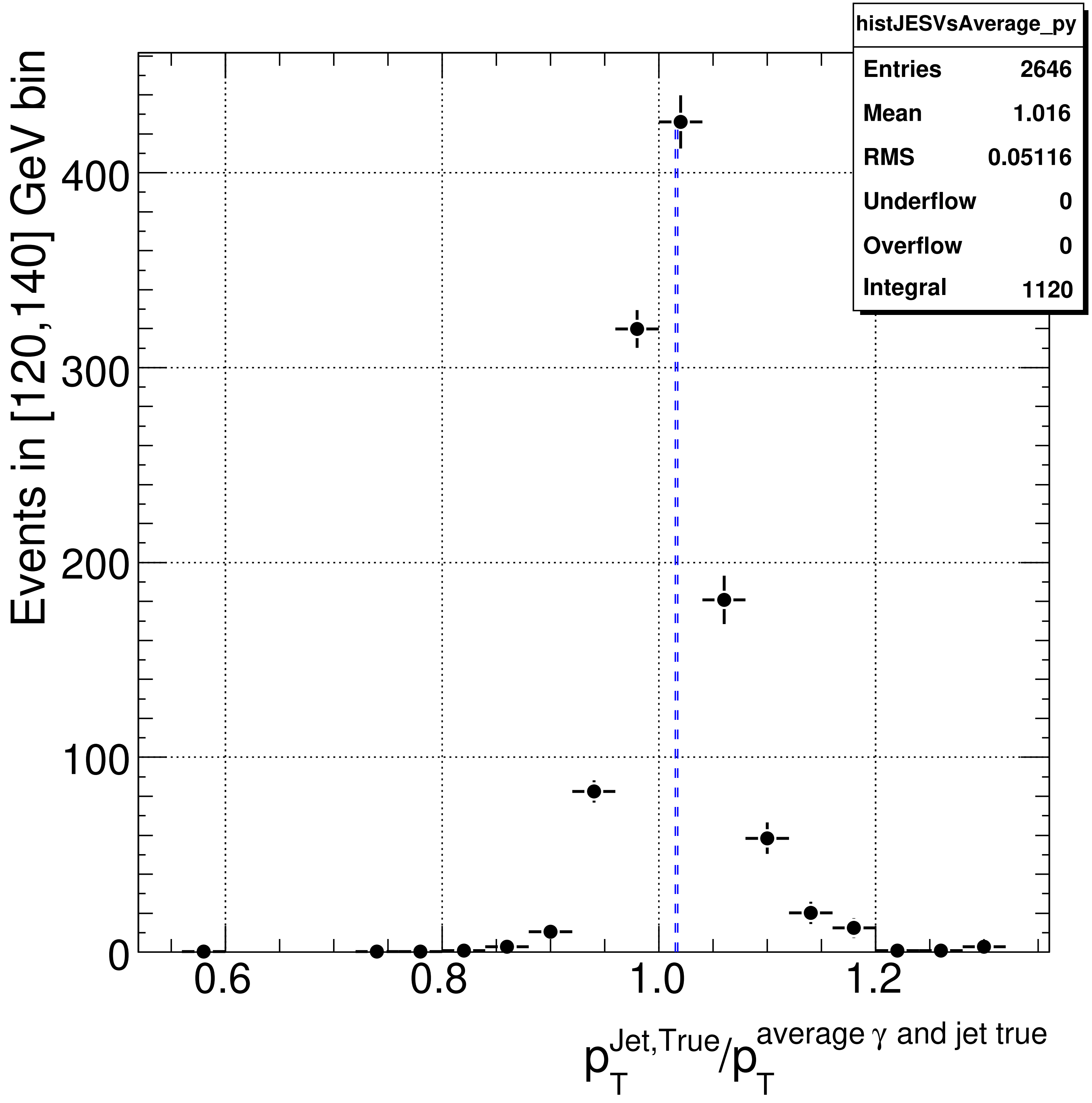

histJESVsAverage_py
Entries 2471
Mean 1.034
RMS 0.08007
Underflow 0
Overflow 0
Integral 7629
Events in [70,80] GeV bin
0
500
1000
1500
2000
0.5
1.0
1.5
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

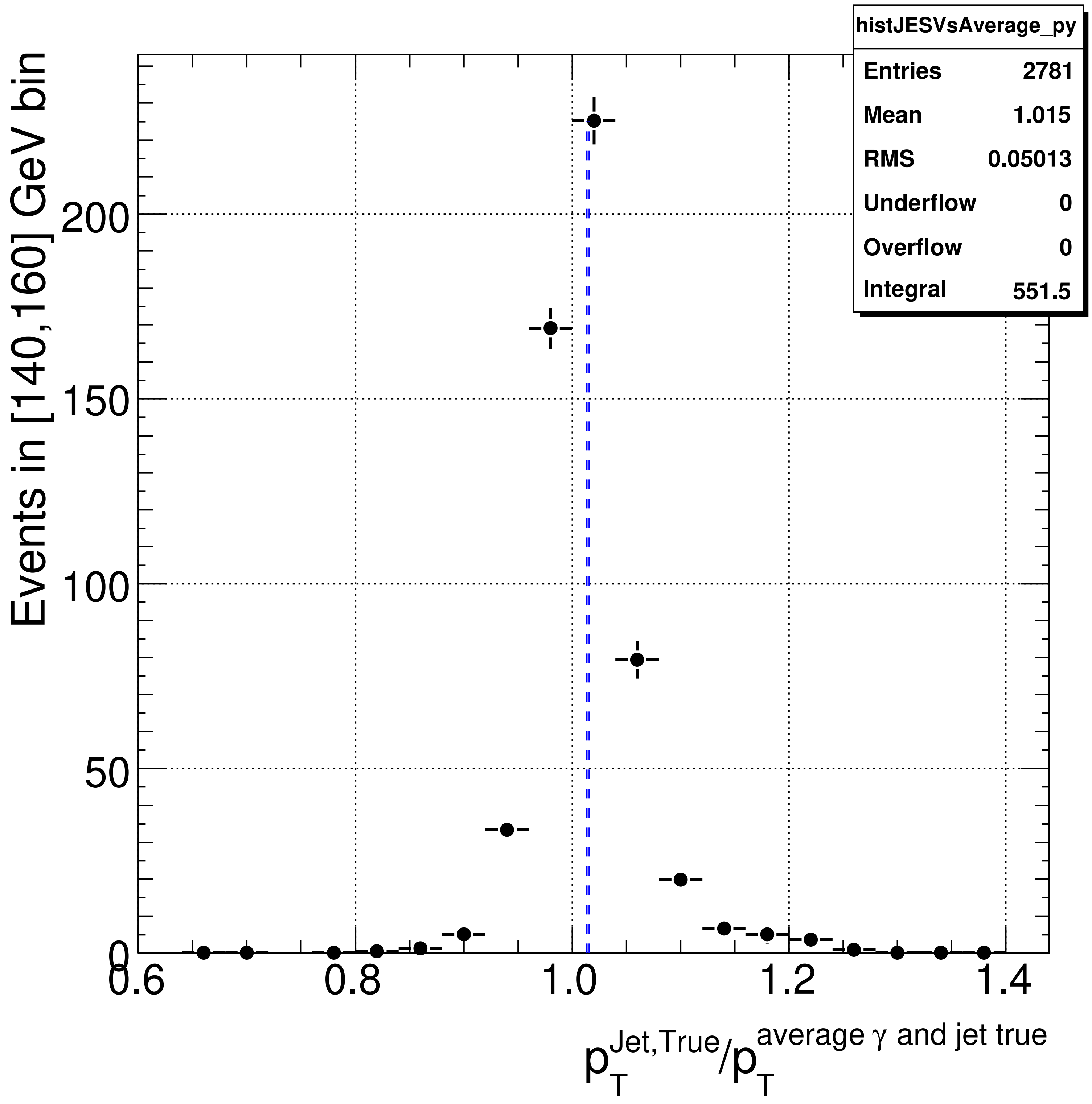


histJESVsAverage_py
Entries 1538
Mean 1.026
RMS 0.06409
Underflow 0
Overflow 0
Integral 4023
Events in [80,90] GeV bin
1000
500
0
0.8
1.0
1.2
1.4
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

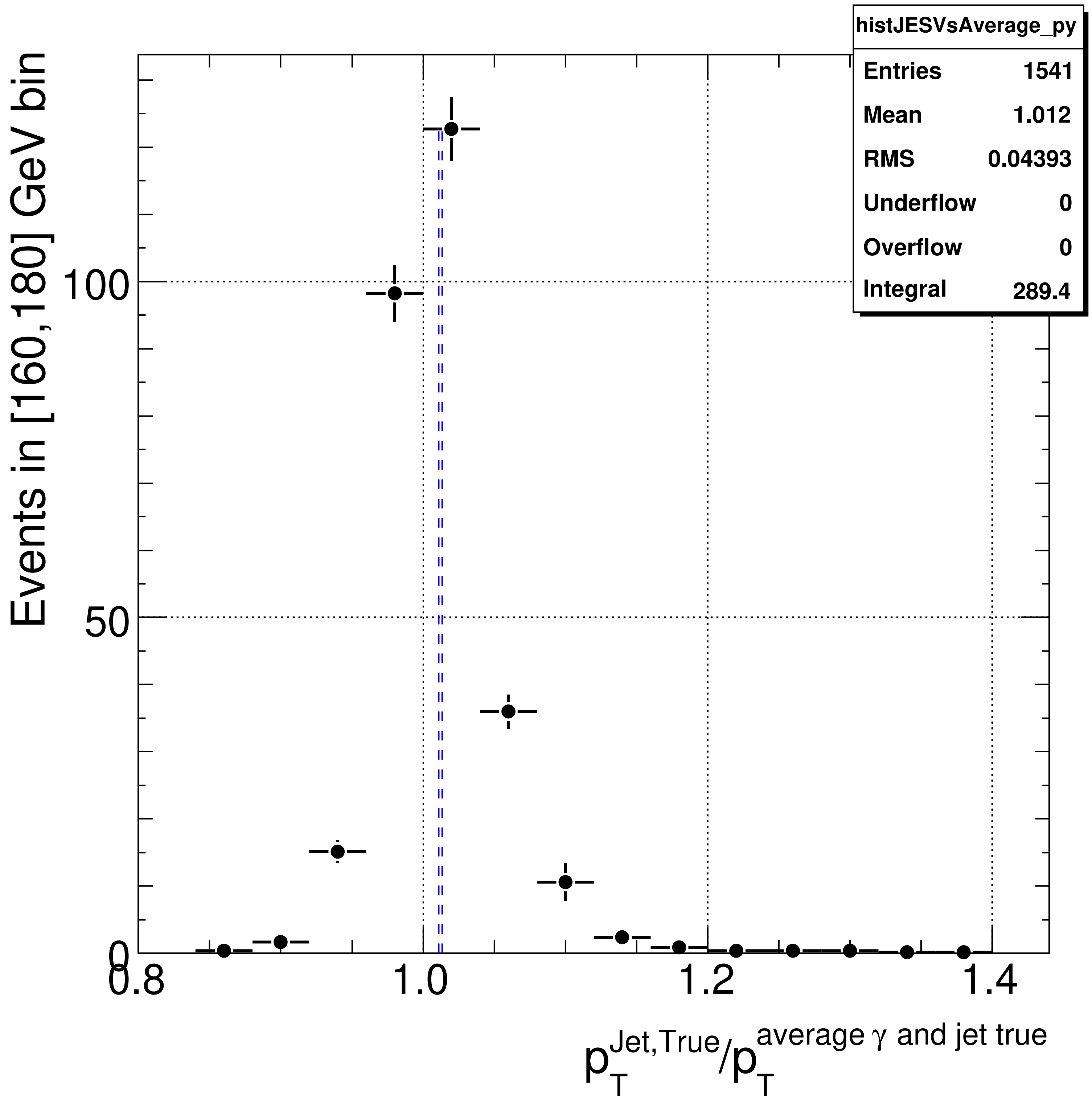

histJESVsAverage_py
Entries 966
Mean 1.021
RMS 0.06322
Underflow 0
Overflow 0
Integral 2331
Events in [90,100] GeV bin
800
600
400
200
0
0.5
1.0
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$


histJESVsAverage_py
Entries 1512
Mean 1.019
RMS 0.05612
Underflow 0
Overflow 0
Integral 2624
Events in [100,120] GeV bin
1000
500
0
0.6
0.8
1.0
1.2
p_T^{Jet,True}/p_T^{average γ and jet true}

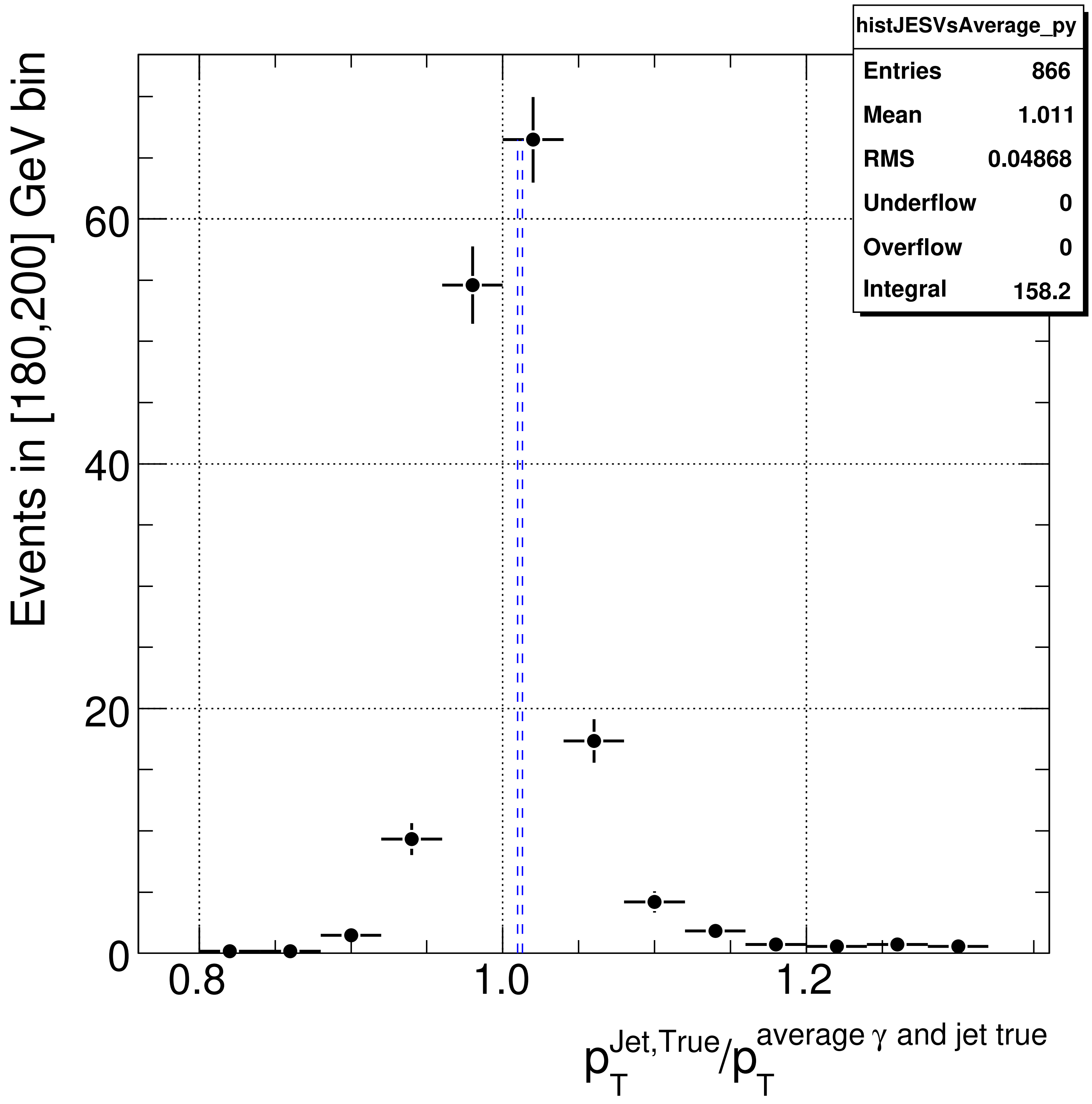

histJESVsAverage_py
Entries 2646
Mean 1.016
RMS 0.05116
Underflow 0
Overflow 0
Integral 1120
Events in [120,140] GeV bin
0
100
200
300
400
0.6
0.8
1.0
1.2
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$



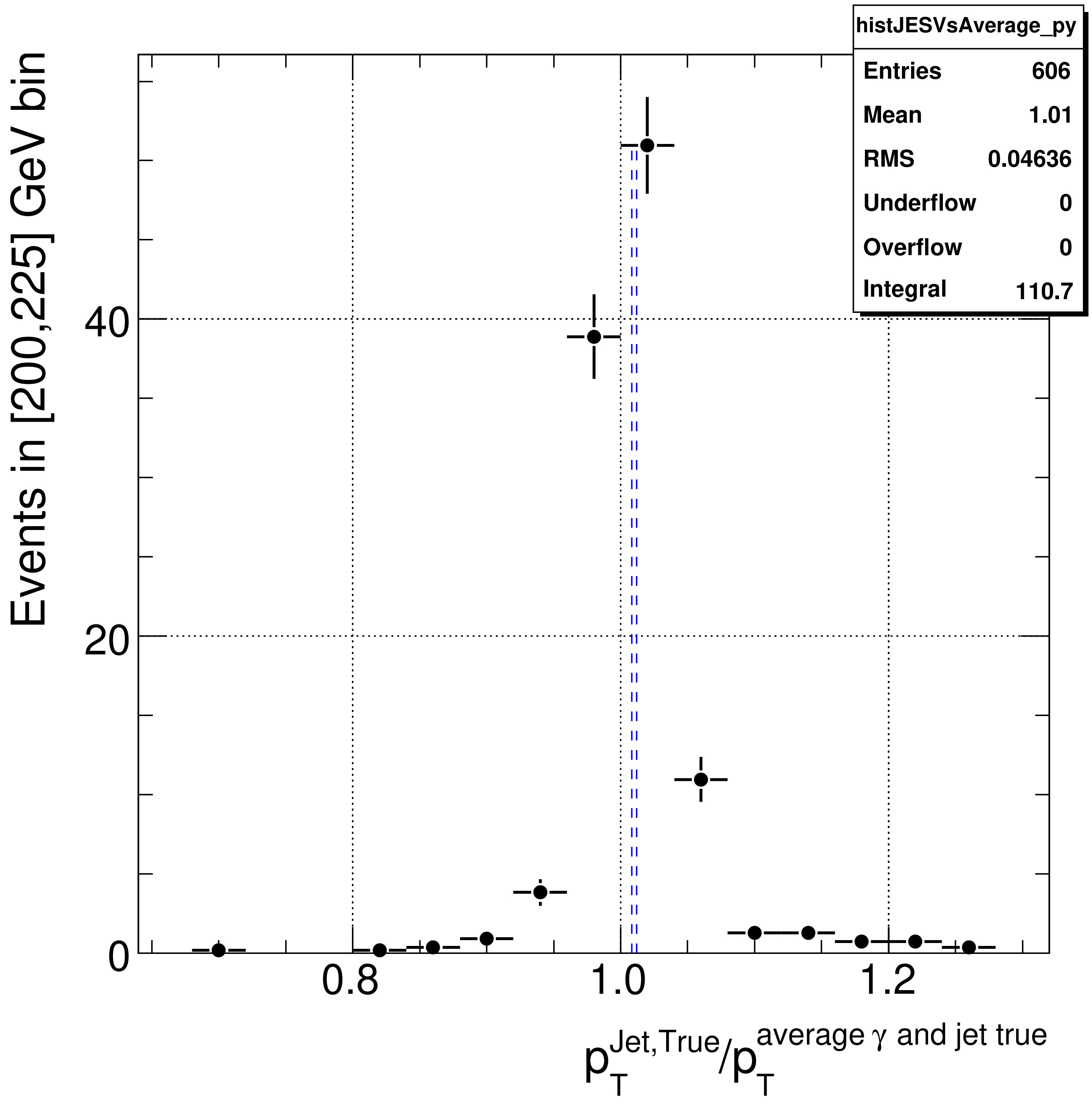
histJESVsAverage_py
Entries 2781
Mean 1.015
RMS 0.05013
Underflow 0
Overflow 0
Integral 551.5
Events in [140,160] GeV bin
0
50
100
150
200
0.6
0.8
1.0
1.2
1.4
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

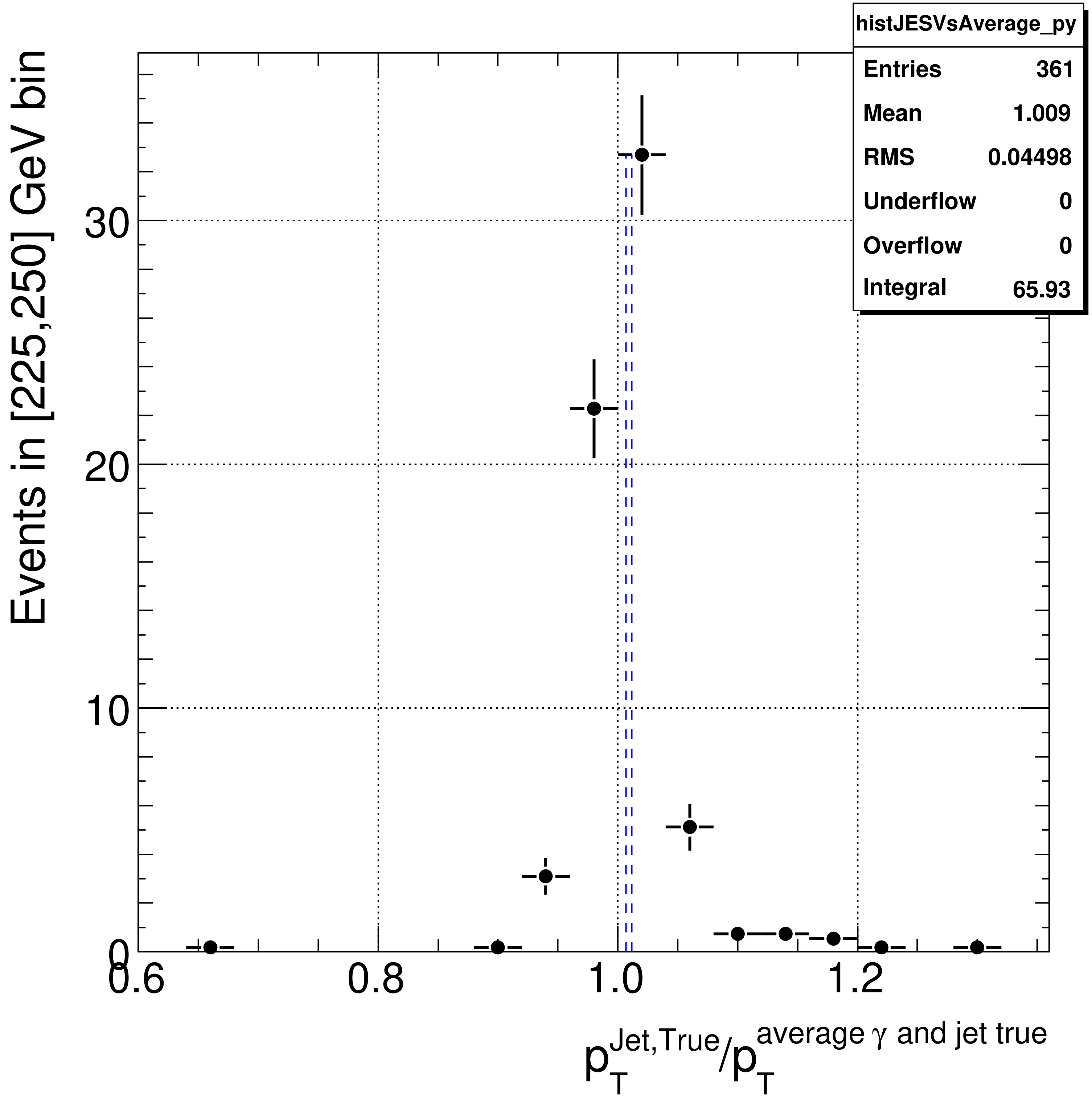


histJESVsAverage_py
Entries 1541
Mean 1.012
RMS 0.04393
Underflow 0
Overflow 0
Integral 289.4
Events in [160,180] GeV bin
100
50
0
0.8
1.0
1.2
1.4
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

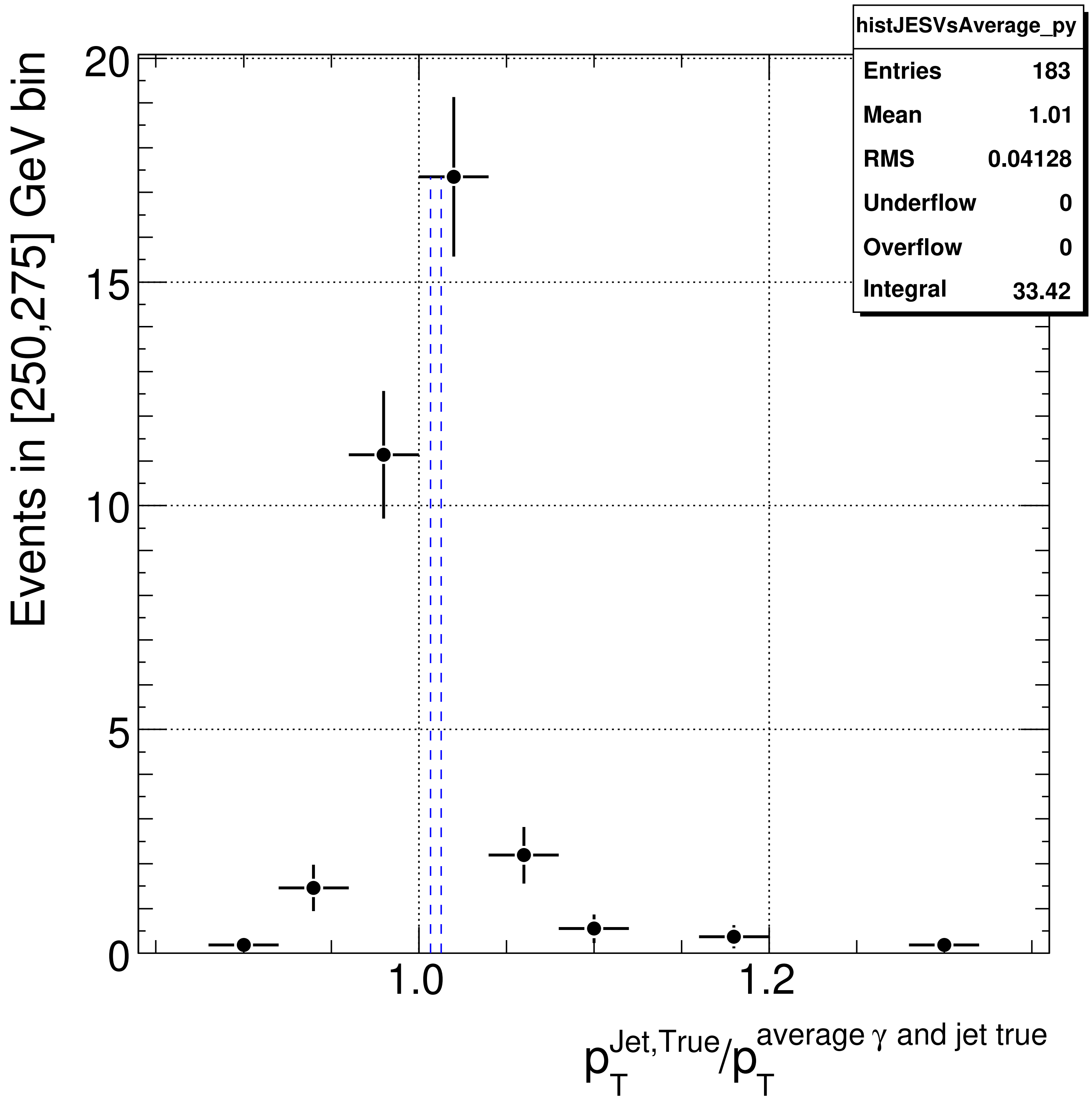


histJESVsAverage_py
Entries 866
Mean 1.011
RMS 0.04868
Underflow 0
Overflow 0
Integral 158.2
Events in [180,200] GeV bin
0
20
40
60
0.8
1.0
1.2
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

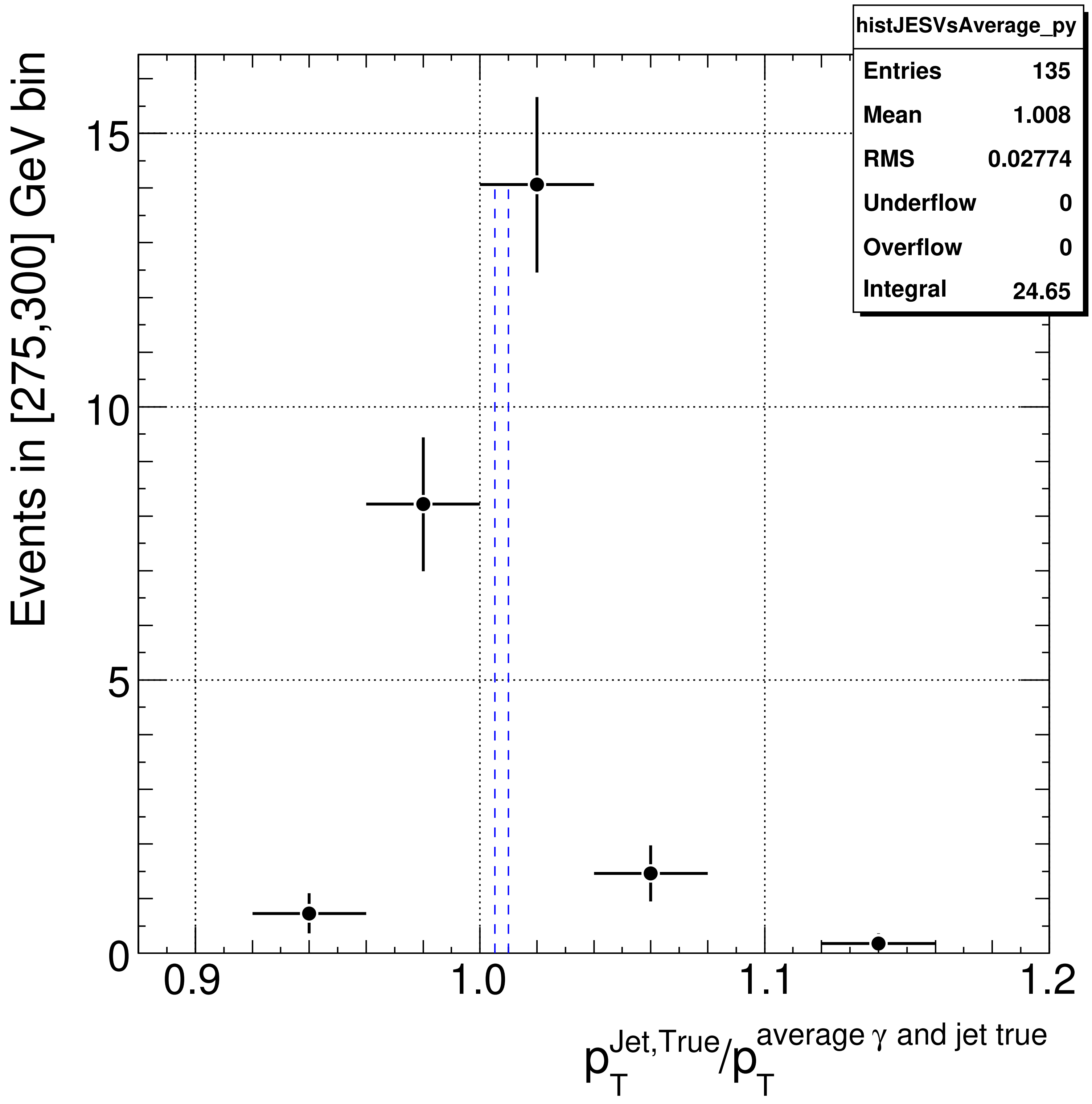

histJESVsAverage_py
Entries 606
Mean 1.01
RMS 0.04636
Underflow 0
Overflow 0
Integral 110.7
Events in [200,225] GeV bin
0
20
40
0.8
1.0
1.2
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

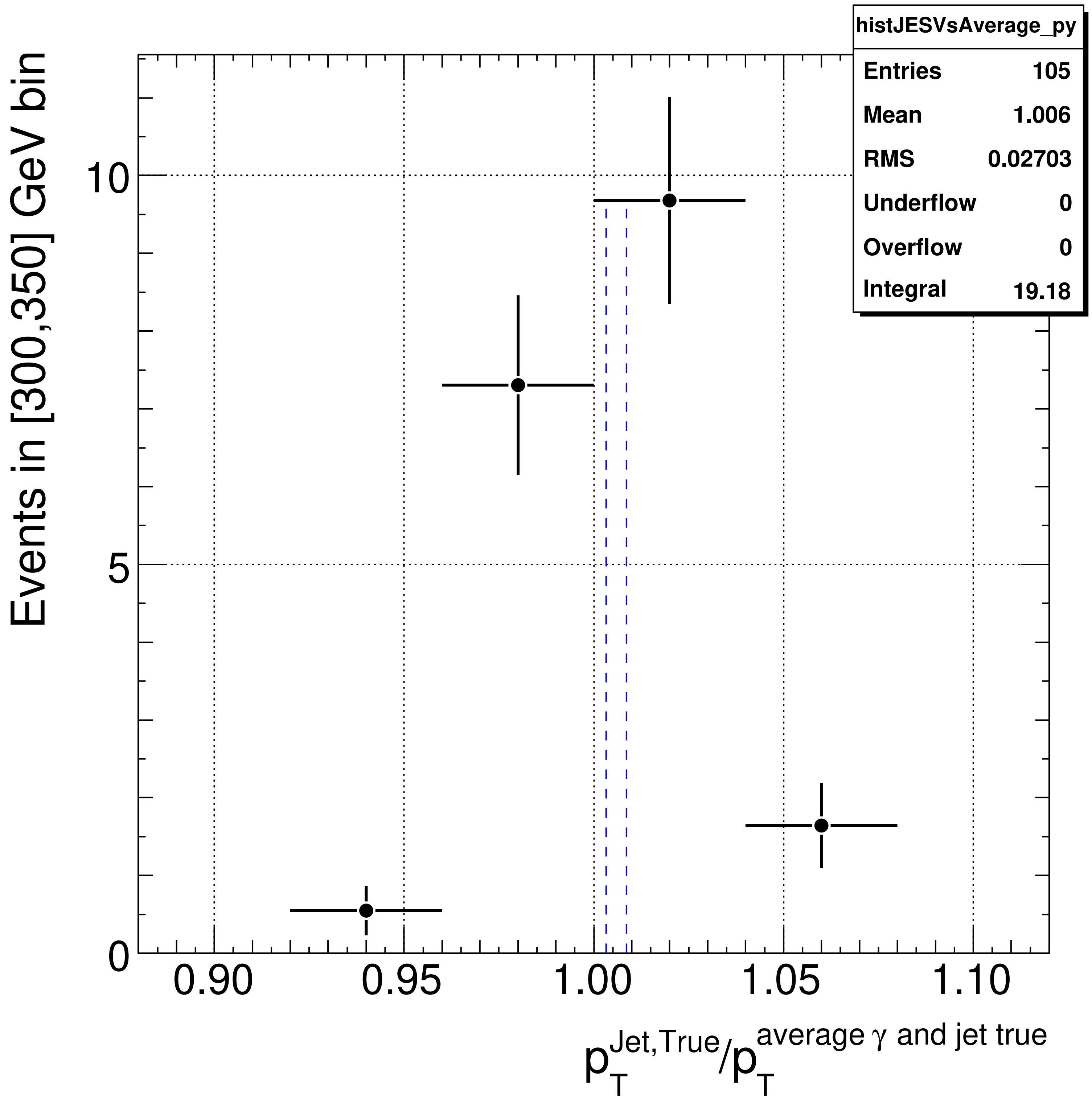


histJESVsAverage_py
Entries 361
Mean 1.009
RMS 0.04498
Underflow 0
Overflow 0
Integral 65.93
Events in [225,250] GeV bin
0
10
20
30
0.6
0.8
1.0
1.2
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

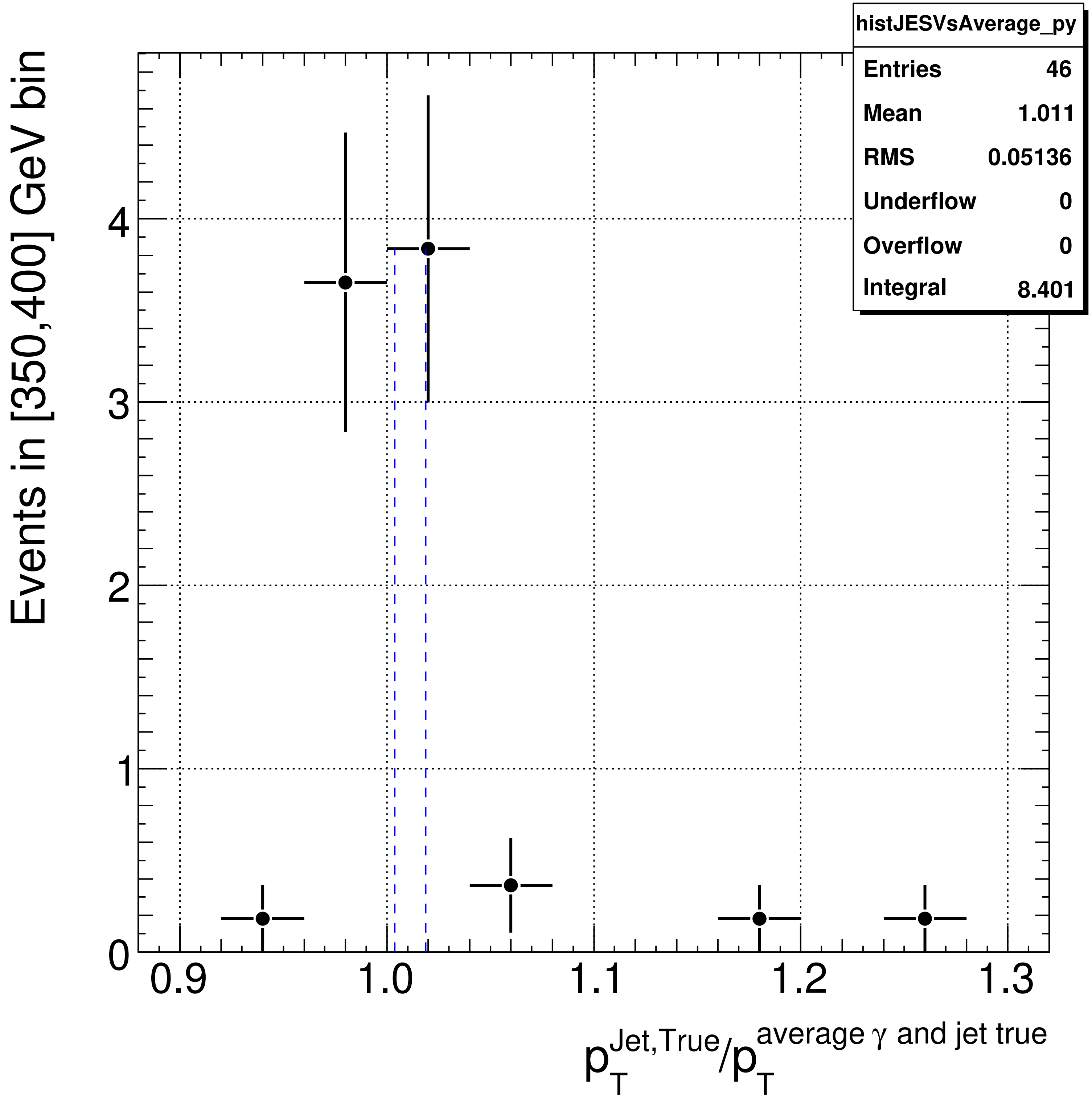


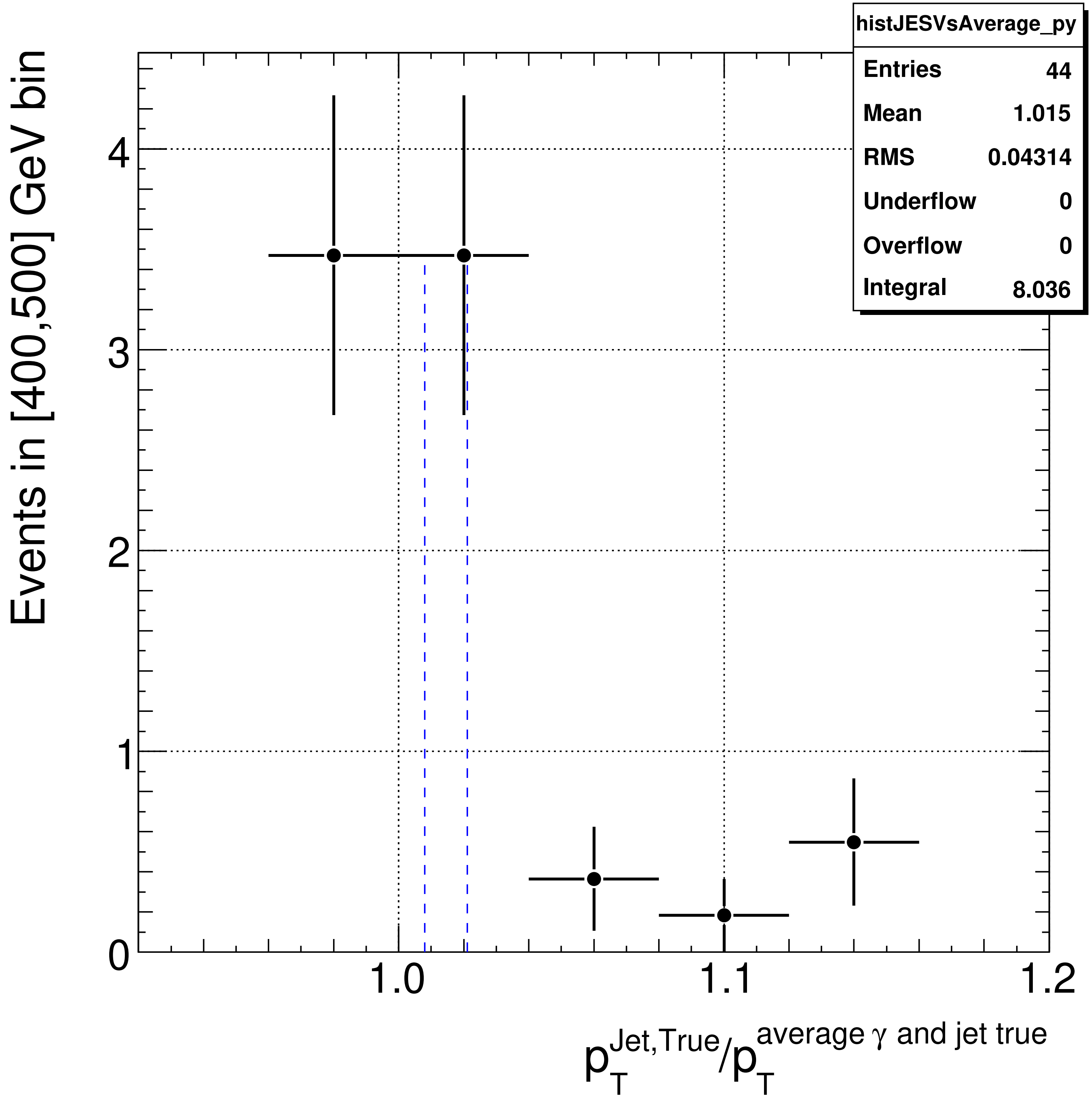
histJESVsAverage_py
Entries 183
Mean 1.01
RMS 0.04128
Underflow 0
Overflow 0
Integral 33.42
Events in [250,275] GeV bin
20
15
10
5
0
1.0
1.2
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

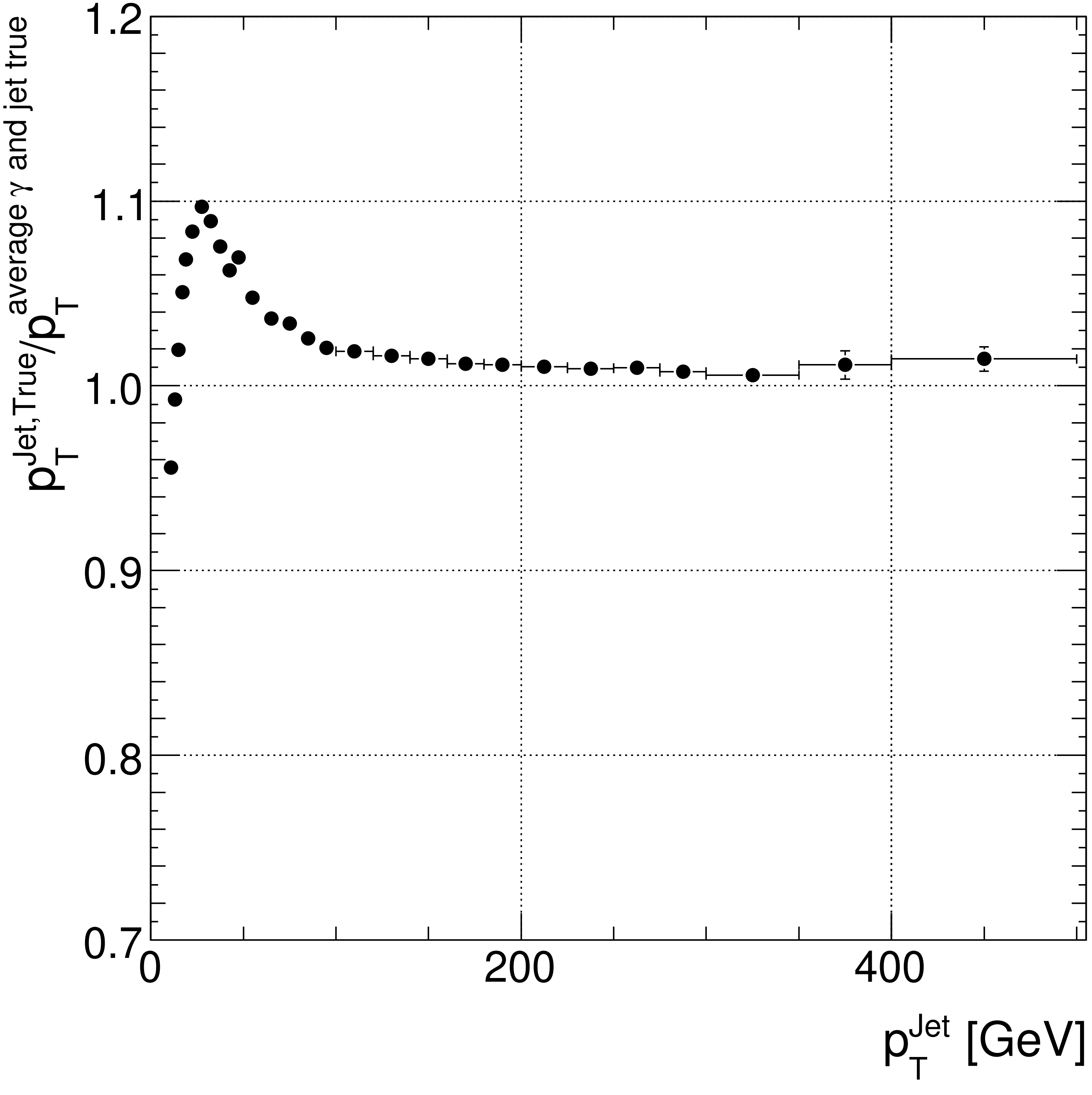

histJESVsAverage_py
Entries 135
Mean 1.008
RMS 0.02774
Underflow 0
Overflow 0
Integral 24.65
Events in [275,300] GeV bin
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$
0
5
10
15
0.9
1.0
1.1
1.2



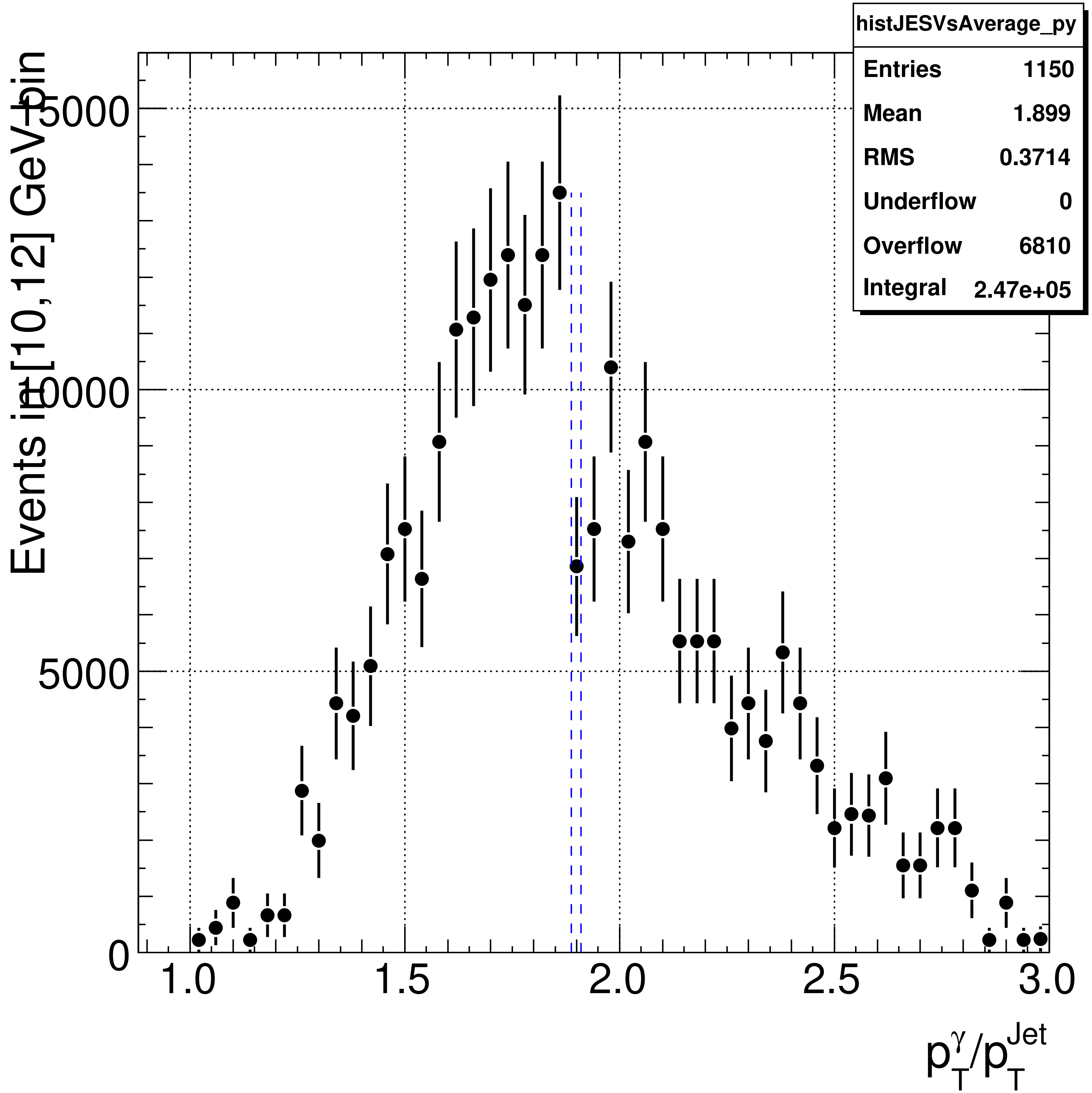
histJESVsAverage_py
Entries 105
Mean 1.006
RMS 0.02703
Underflow 0
Overflow 0
Integral 19.18
Events in [300,350] GeV bin
0
5
10
0.90
0.95
1.00
1.05
1.10
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$


histJESVsAverage_py
Entries 46
Mean 1.011
RMS 0.05136
Underflow 0
Overflow 0
Integral 8.401
Events in [350,400] GeV bin
0
1
2
3
4
0.9
1.0
1.1
1.2
1.3
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$

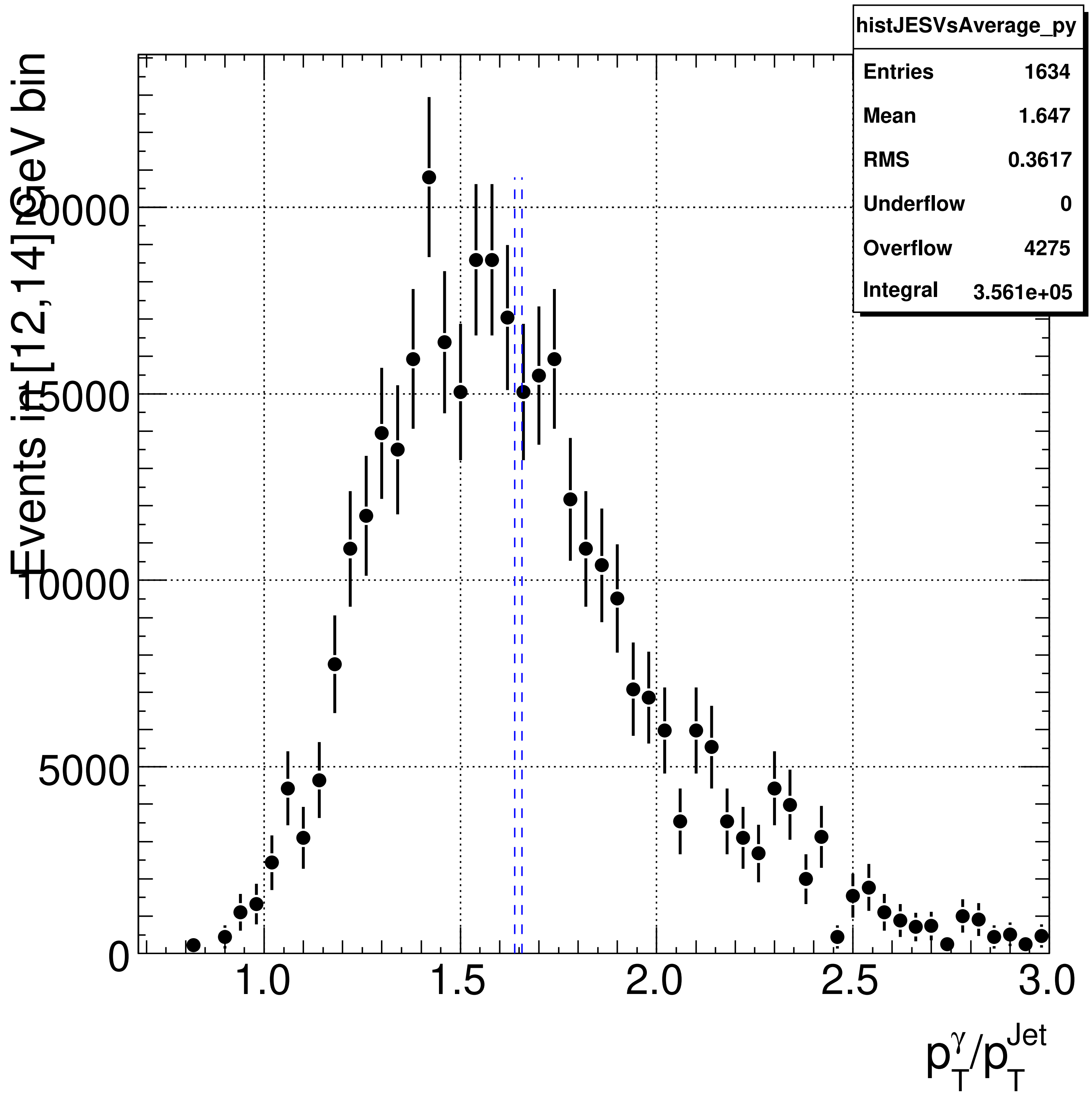

histJESVsAverage_py
Entries 44
Mean 1.015
RMS 0.04314
Underflow 0
Overflow 0
Integral 8.036
Events in [400,500] GeV bin
0
1
2
3
4
1.0
1.1
1.2
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$



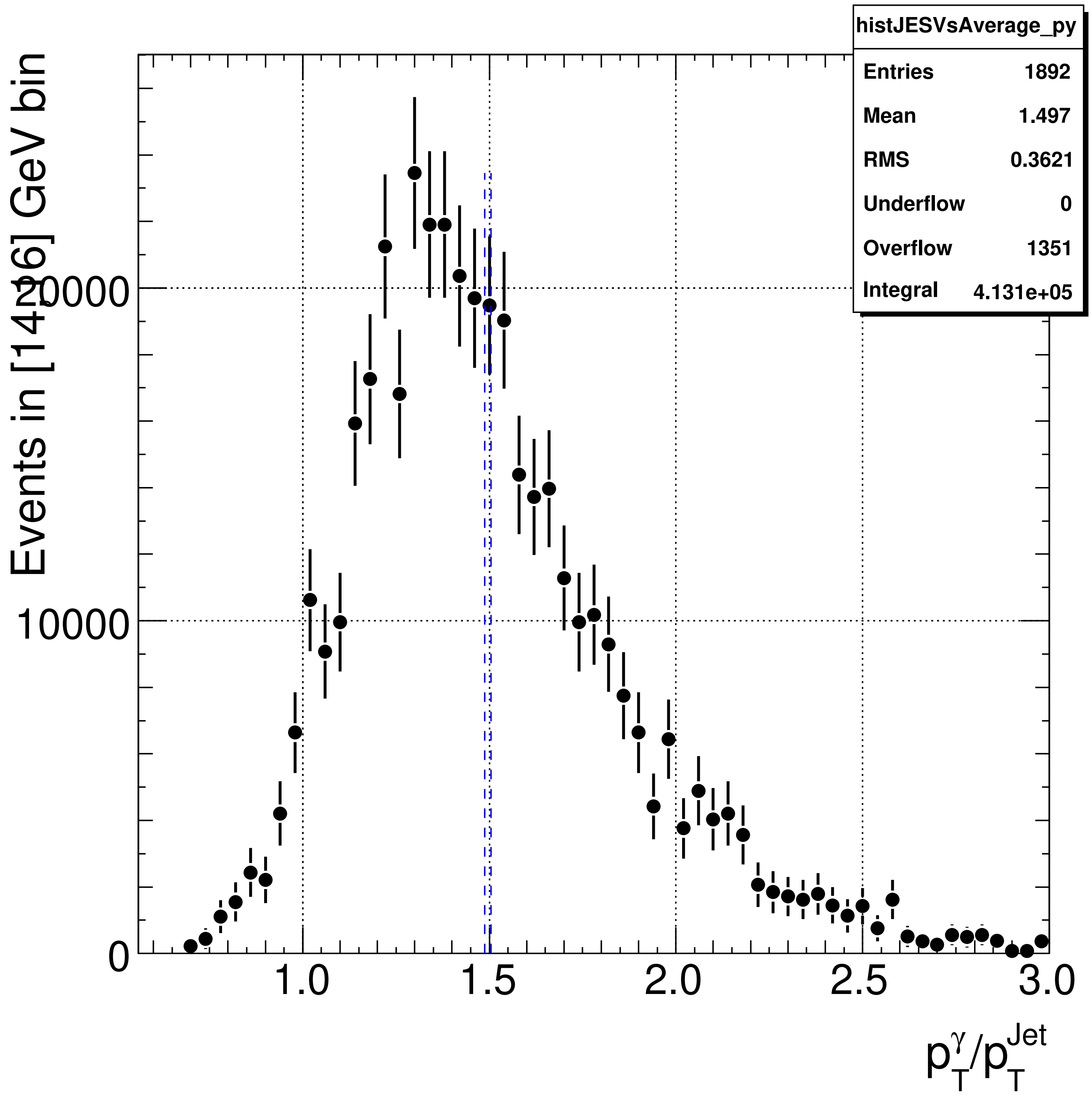
1.2
1.1
1.0
0.9
0.8
0.7
0
200
400
$p_T^{Jet,True}/p_T^{average\ \gamma\ and\ jet\ true}$
p_T^{Jet} [GeV]

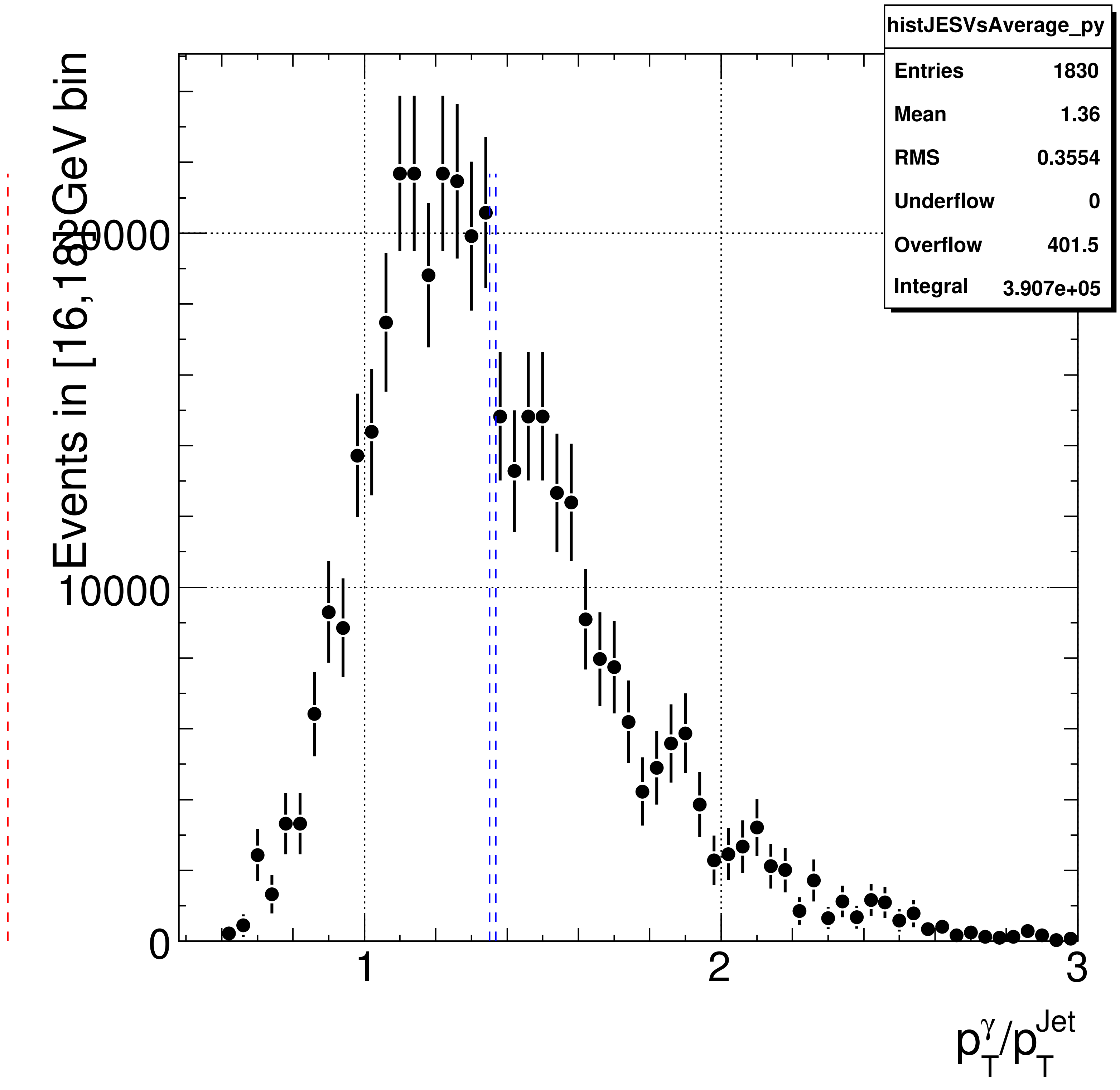


histJESVsAverage_py
Entries 1150
Mean 1.899
RMS 0.3714
Underflow 0
Overflow 6810
Integral 2.47e+05
Events in [10,12] GeV bin
5000
0
1.0
1.5
2.0
2.5
3.0
p_T^{γ}/p_T^{Jet}

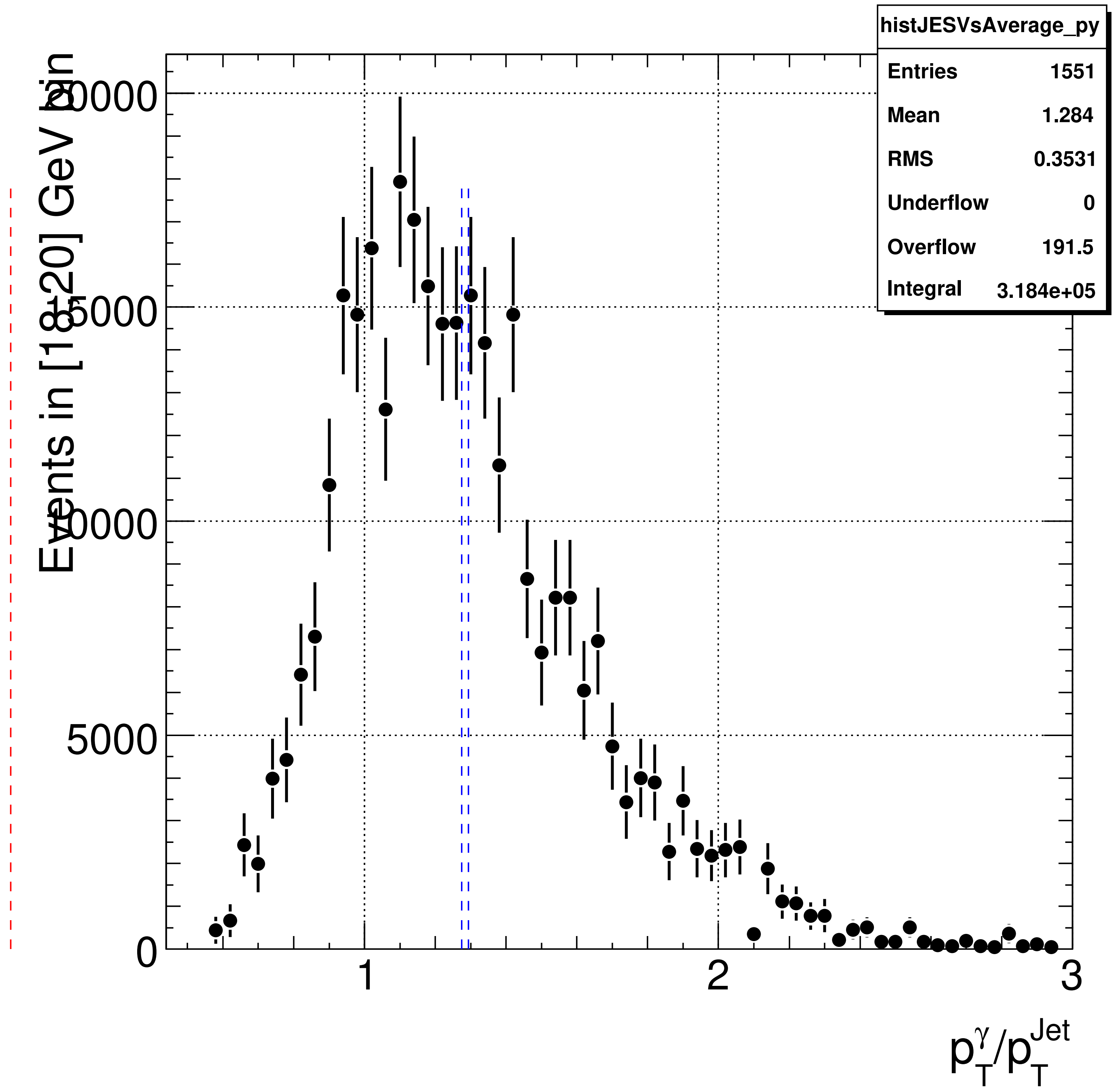


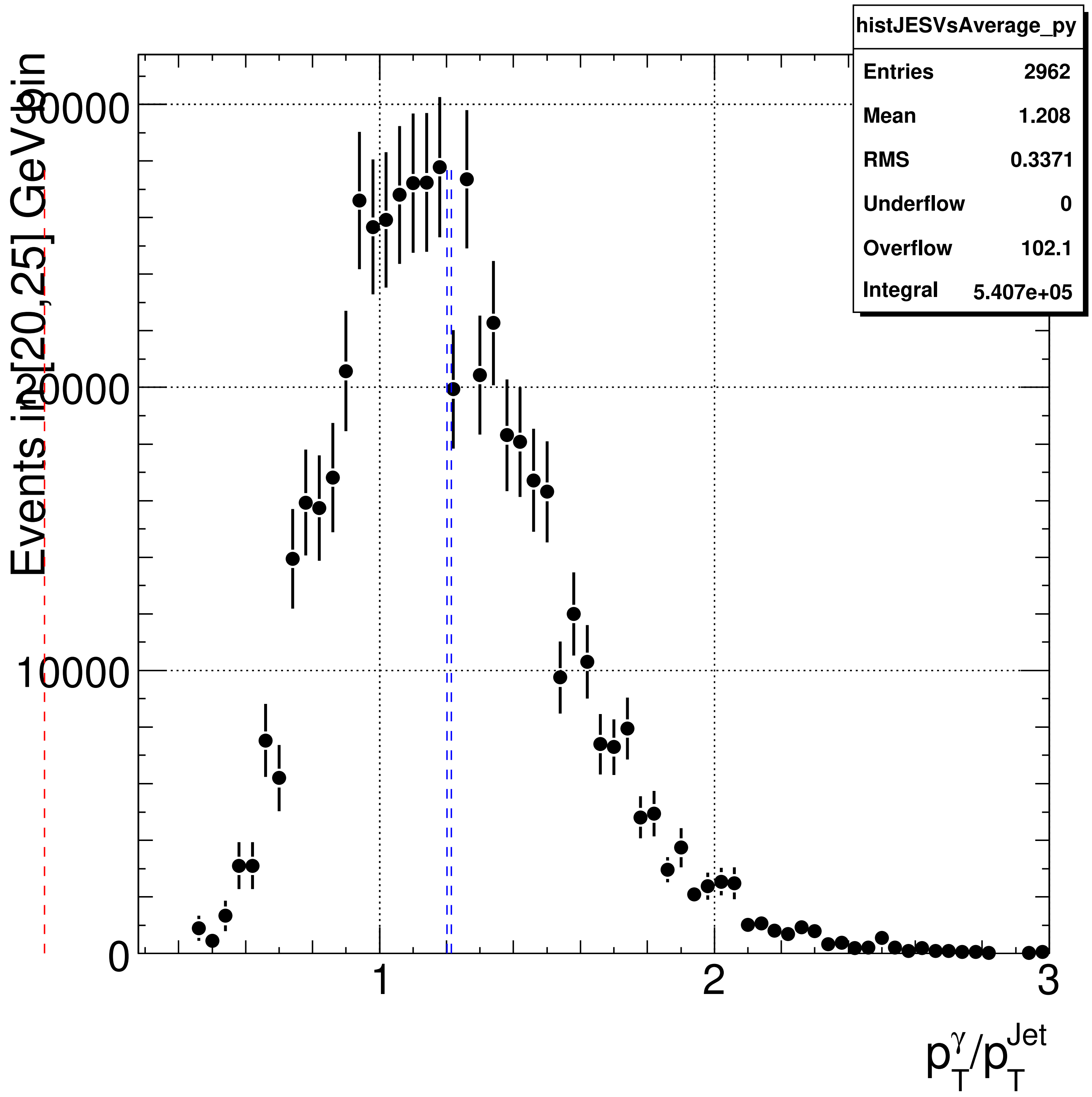
histJESVsAverage_py
Entries 1634
Mean 1.647
RMS 0.3617
Underflow 0
Overflow 4275
Integral 3.561e+05
Events in [12,14] GeV bin
0
5000
10000
15000
20000
1.0
1.5
2.0
2.5
3.0
p_T^{γ}/p_T^{Jet}


histJESVsAverage_py
Entries 1892
Mean 1.497
RMS 0.3621
Underflow 0
Overflow 1351
Integral 4.131e+05
Events in [14-26] GeV bin
0
10000
20000
1.0
1.5
2.0
2.5
3.0
p_T^{γ}/p_T^{Jet}

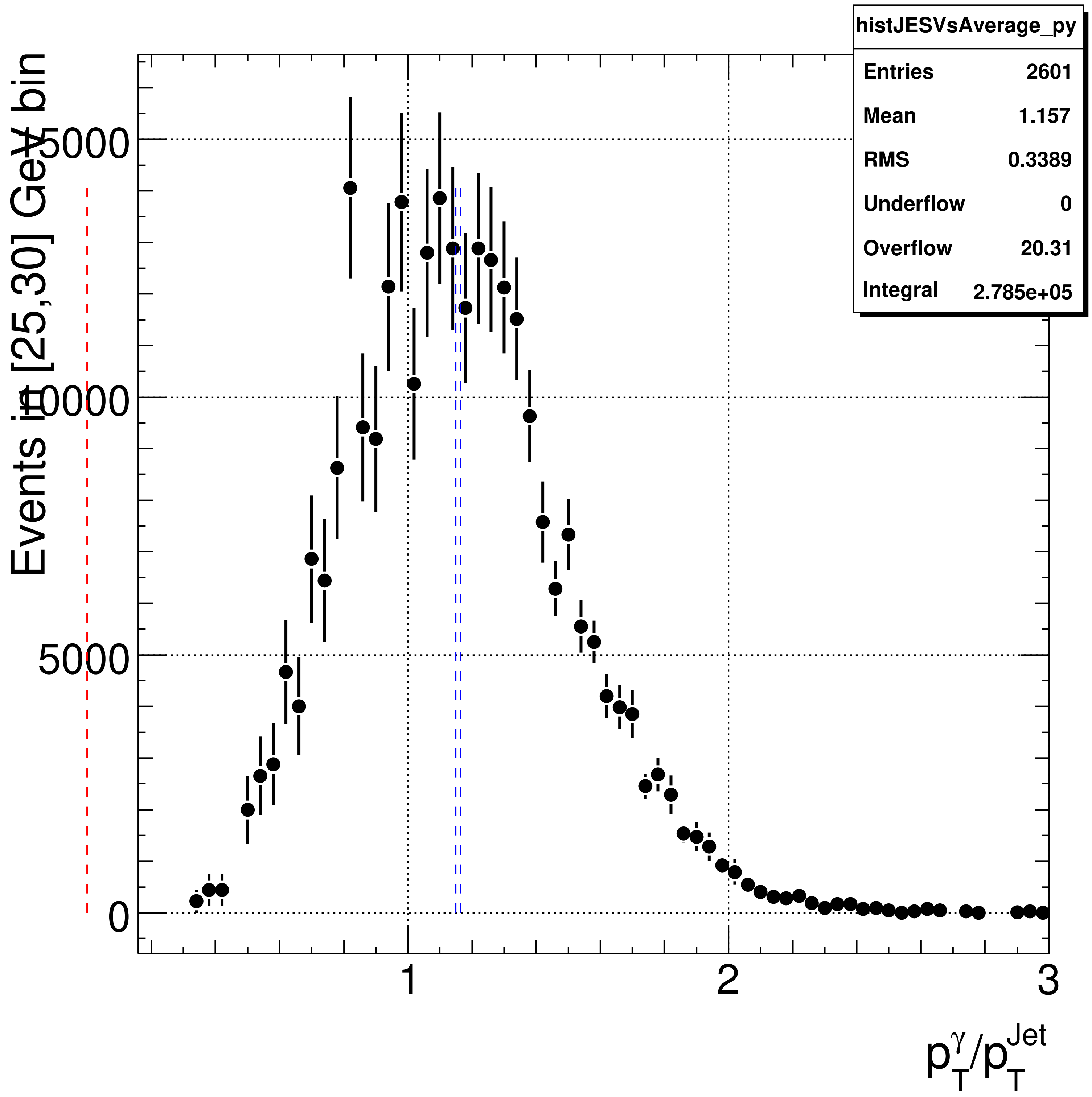


histJESVsAverage_py
Entries 1830
Mean 1.36
RMS 0.3554
Underflow 0
Overflow 401.5
Integral 3.907e+05
Events in [16,18] GeV bin
20000
10000
0
1
2
3
p_T^{γ}/p_T^{Jet}

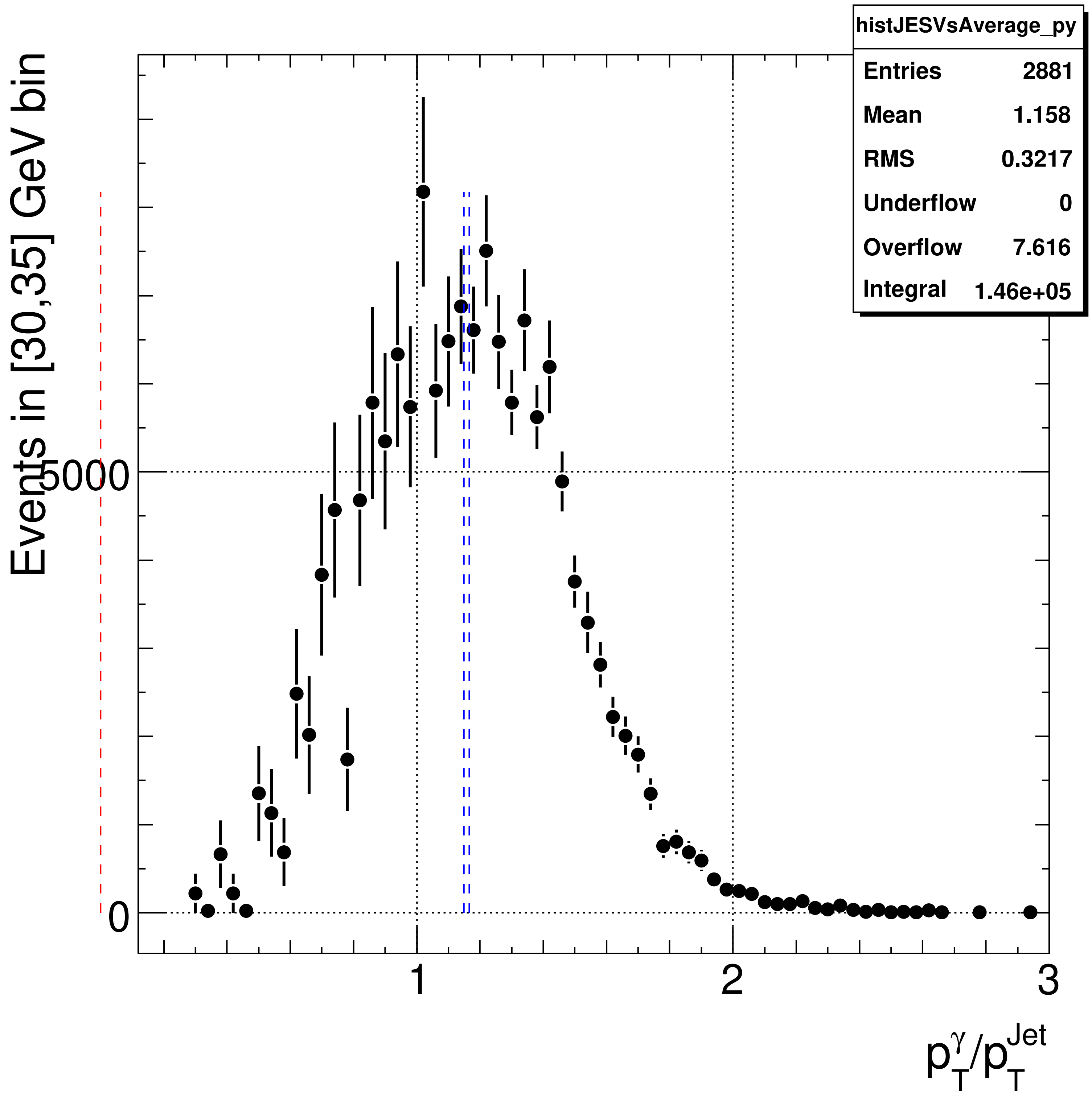

histJESVsAverage_py
Entries 1551
Mean 1.284
RMS 0.3531
Underflow 0
Overflow 191.5
Integral 3.184e+05
Events in [18,20] GeV bin
0
5000
1
2
3
p_T^{γ}/p_T^{Jet}



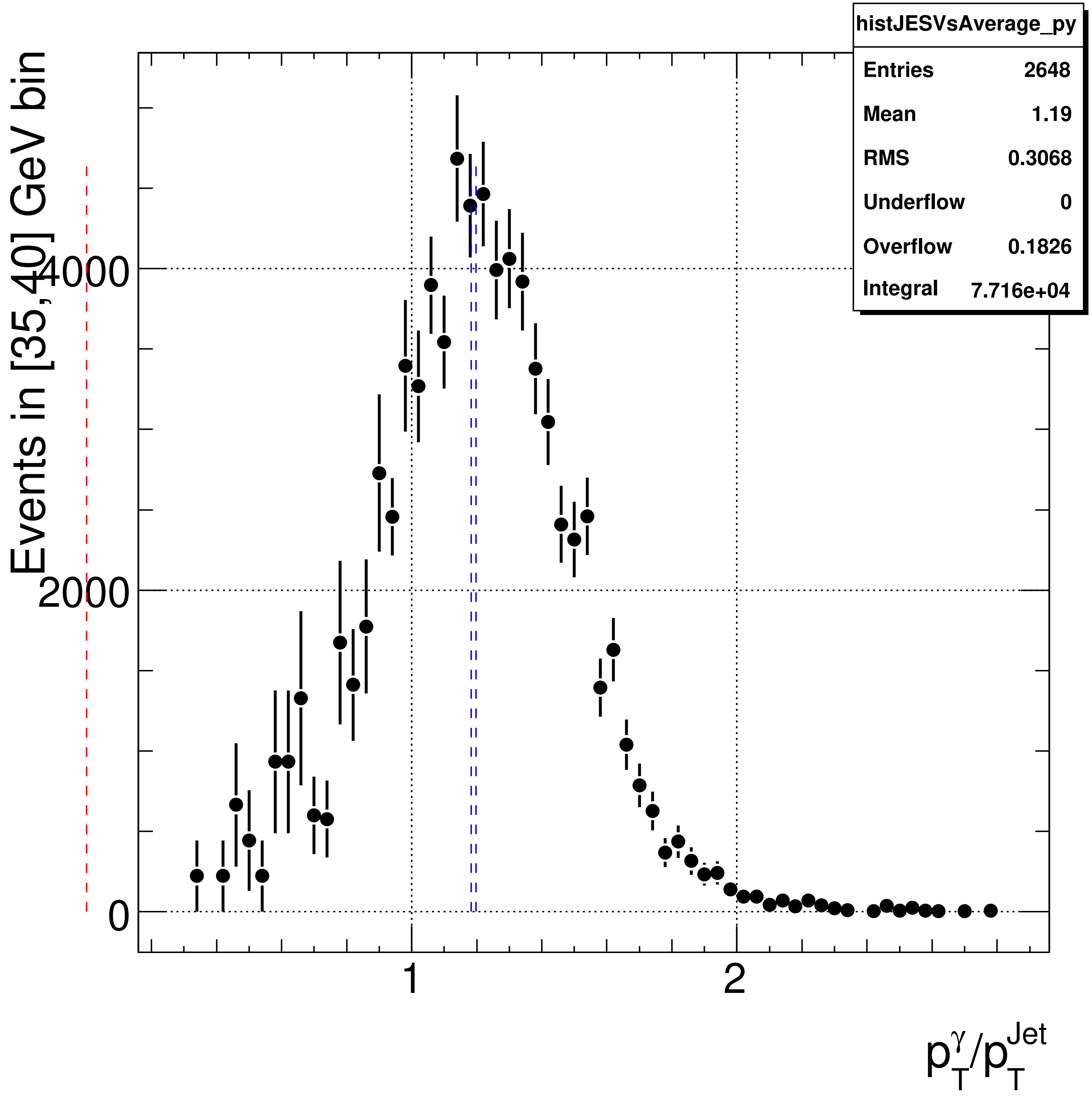
histJESVsAverage_py
Entries 2962
Mean 1.208
RMS 0.3371
Underflow 0
Overflow 102.1
Integral 5.407e+05
Events in [20,25] GeV bin
0
10000
20000
30000
1
2
3
p_T^{γ}/p_T^{Jet}



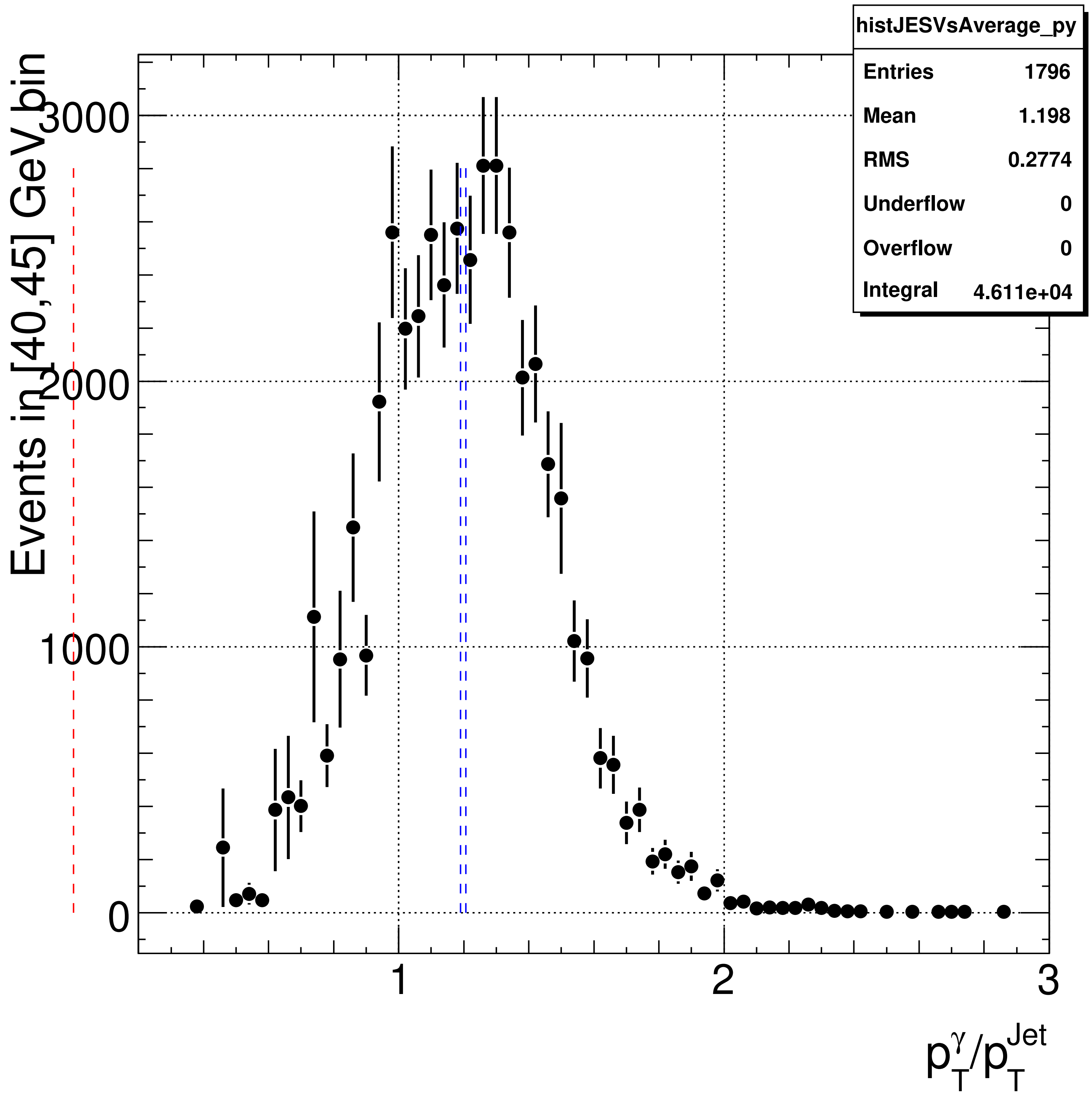
histJESVsAverage_py
Entries 2601
Mean 1.157
RMS 0.3389
Underflow 0
Overflow 20.31
Integral 2.785e+05
Events in [25,30] GeV bin
15000
10000
5000
0
1
2
3
p_T^{γ}/p_T^{Jet}



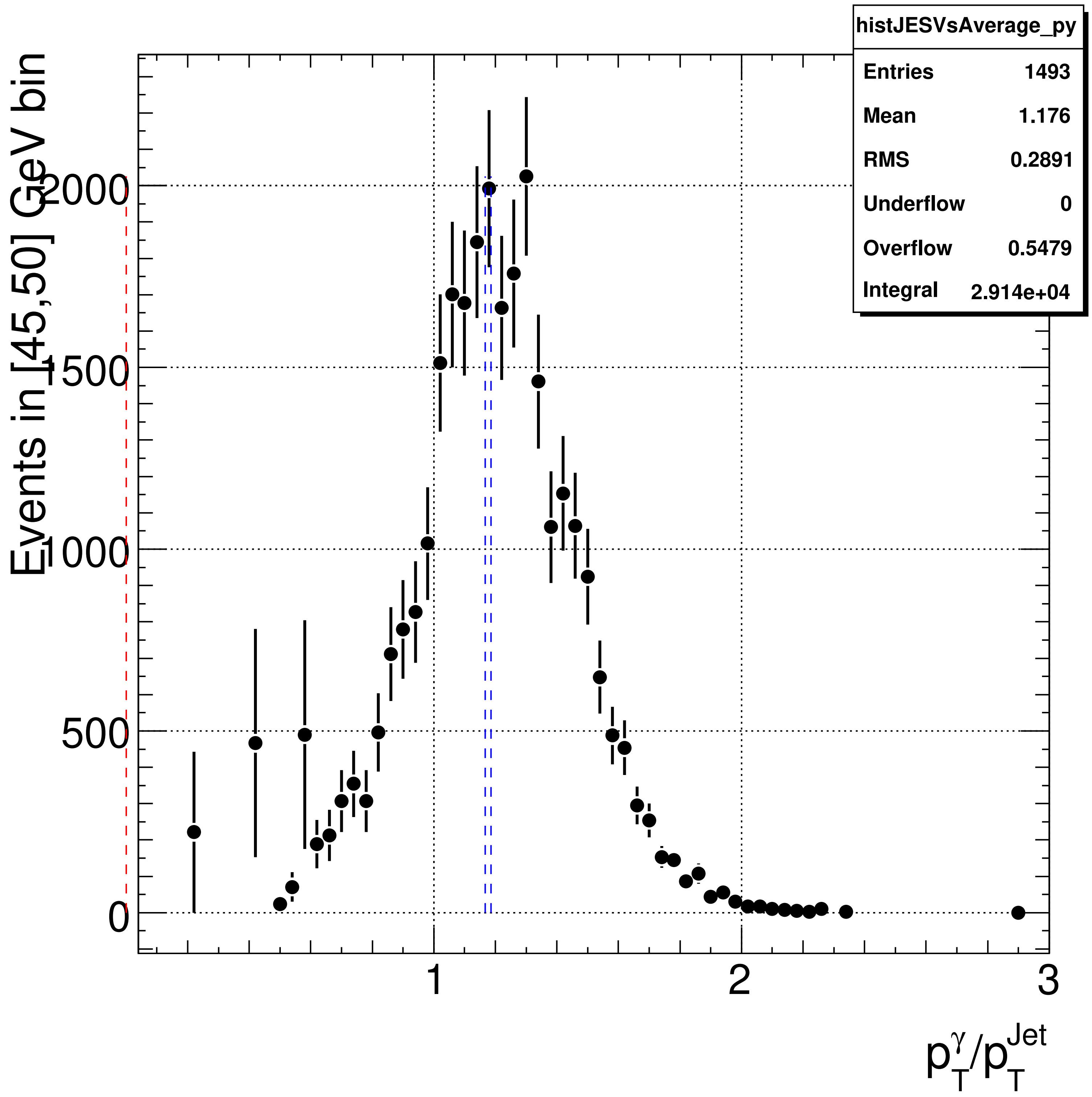
histJESVsAverage_py
Entries 2881
Mean 1.158
RMS 0.3217
Underflow 0
Overflow 7.616
Integral 1.46e+05
Events in [30,35] GeV bin
5000
0
1
2
3
p_T^{γ}/p_T^{Jet}

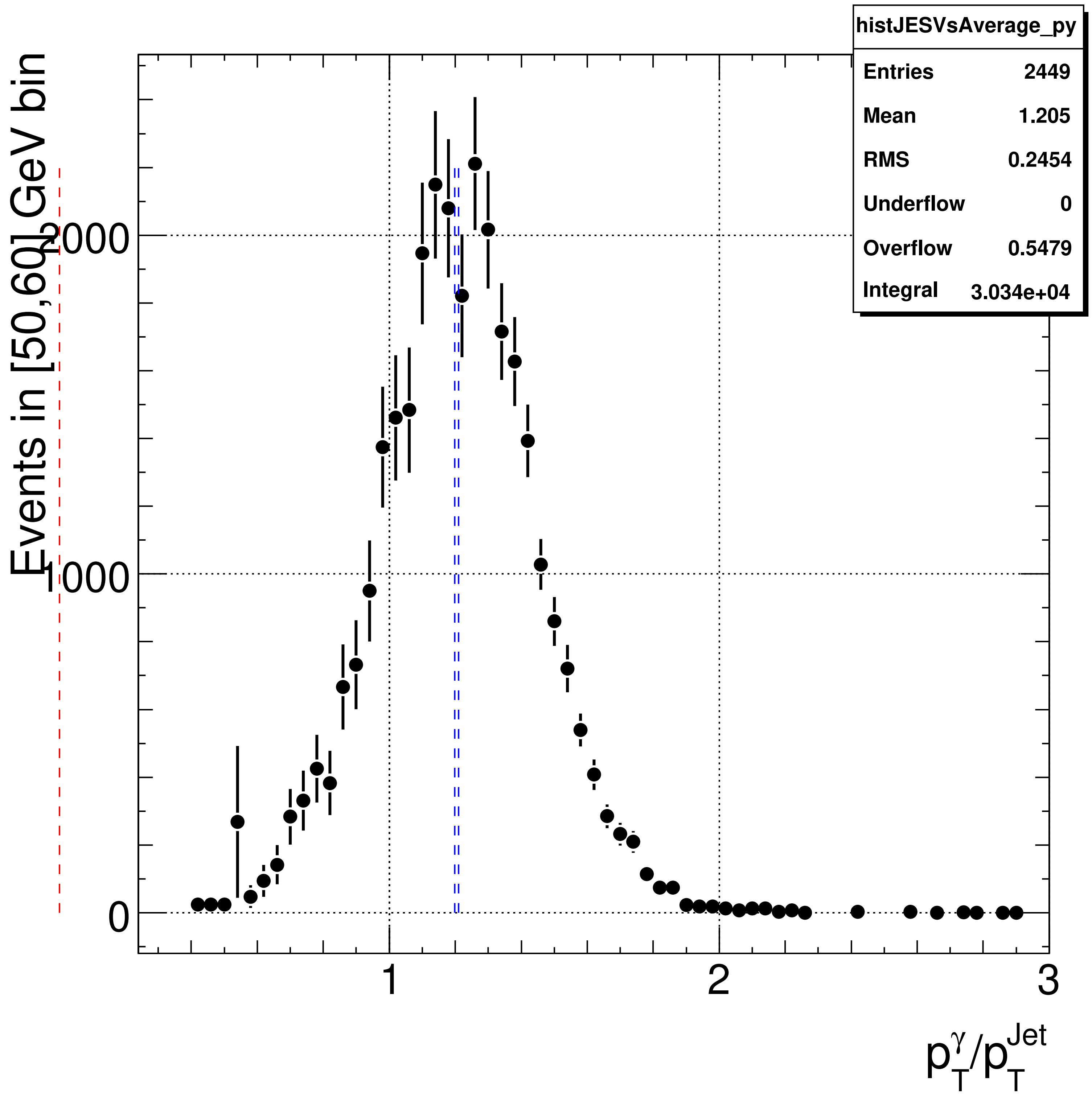


histJESVsAverage_py
Entries 2648
Mean 1.19
RMS 0.3068
Underflow 0
Overflow 0.1826
Integral 7.716e+04
Events in [35,40] GeV bin
0
2000
4000
1
2
p_T^γ/p_T^{Jet}

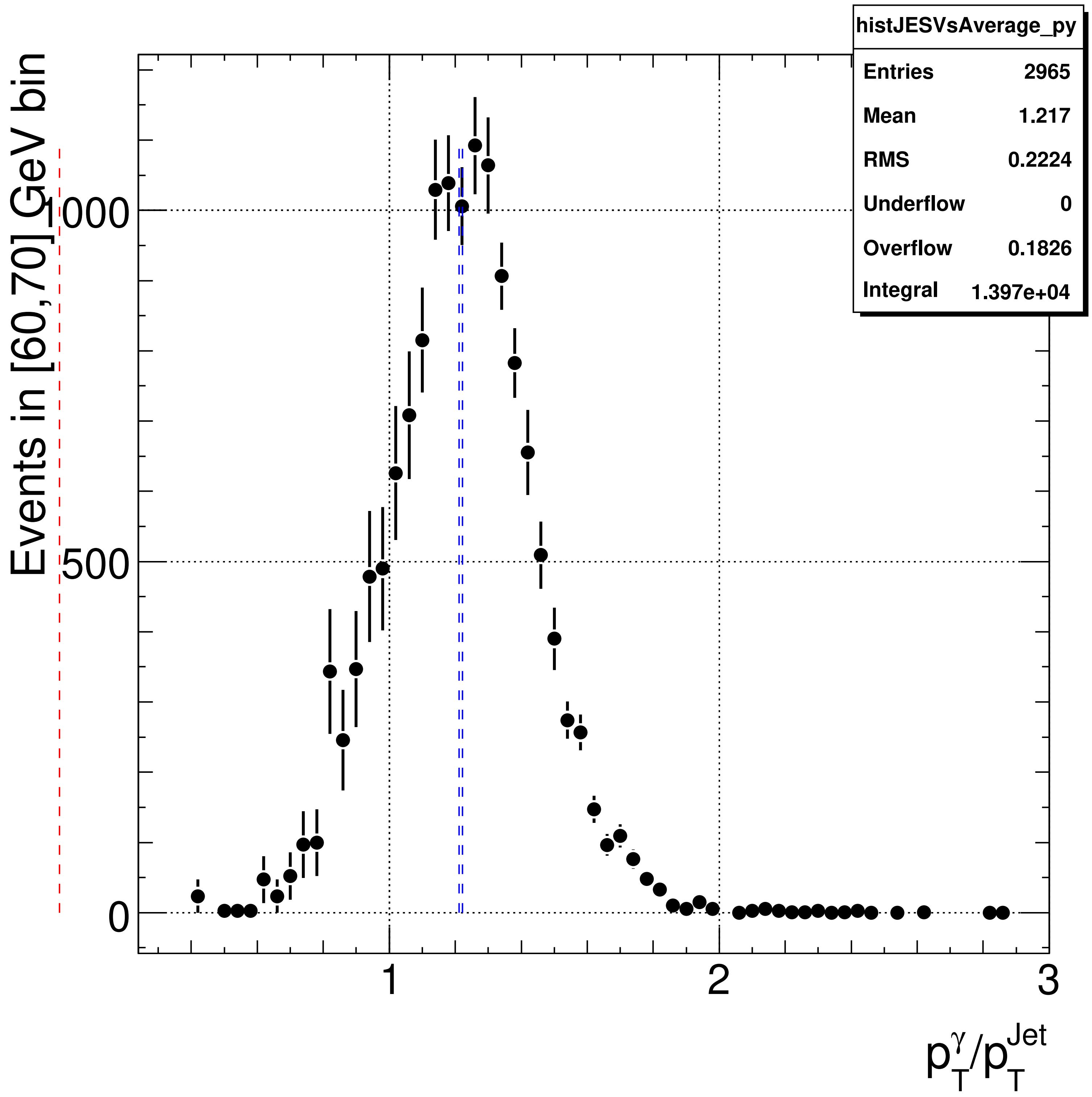


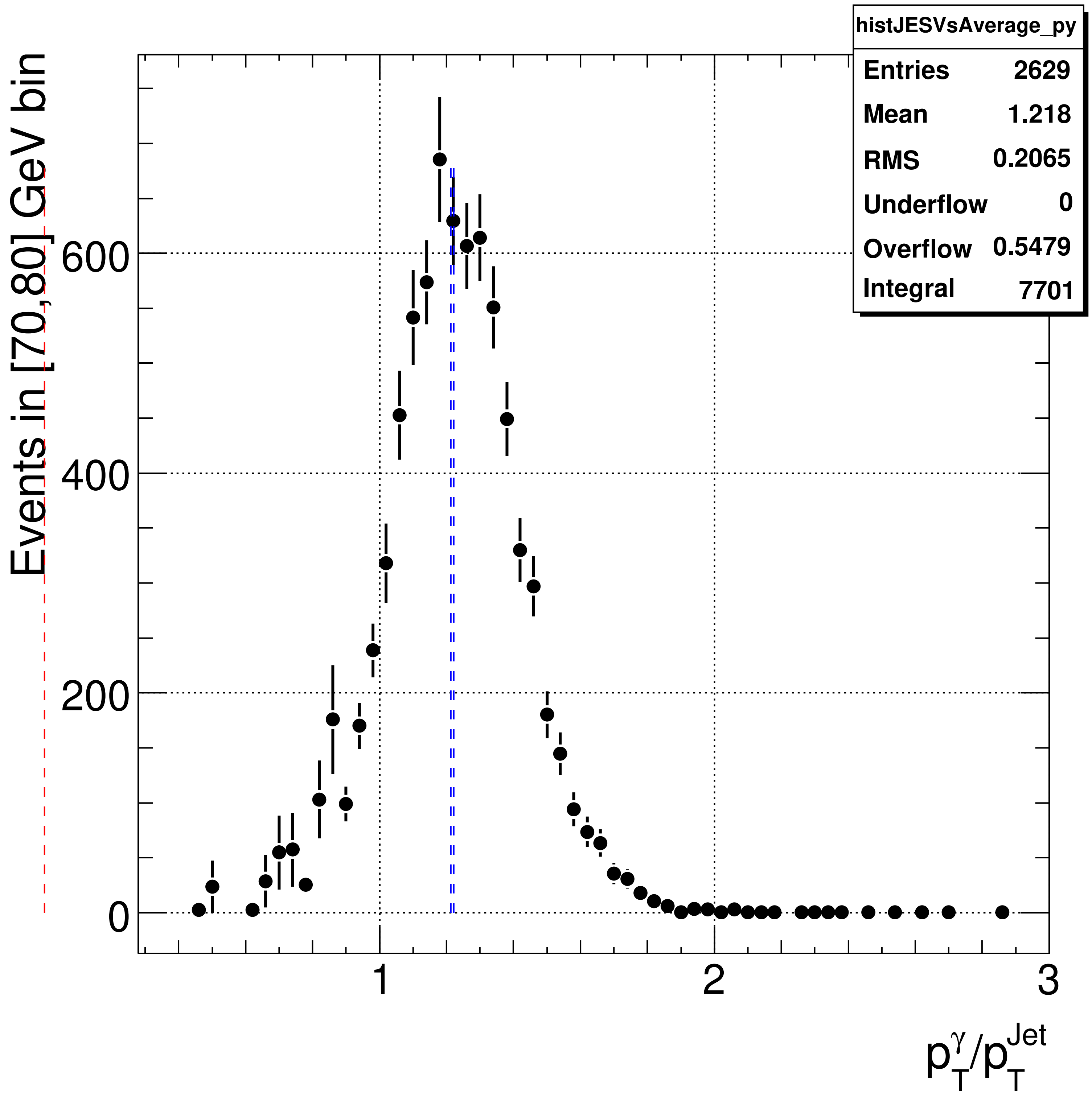
histJESVsAverage_py
Entries 1796
Mean 1.198
RMS 0.2774
Underflow 0
Overflow 0
Integral 4.611e+04
Events in [40,45] GeV bin
0
1000
2000
3000
1
2
3
p_T^{γ}/p_T^{Jet}


histJESVsAverage_py
Entries 1493
Mean 1.176
RMS 0.2891
Underflow 0
Overflow 0.5479
Integral 2.914e+04
Events in [45,50] GeV bin
0
500
1000
1500
2000
1
2
3
p_T^{γ}/p_T^{Jet}

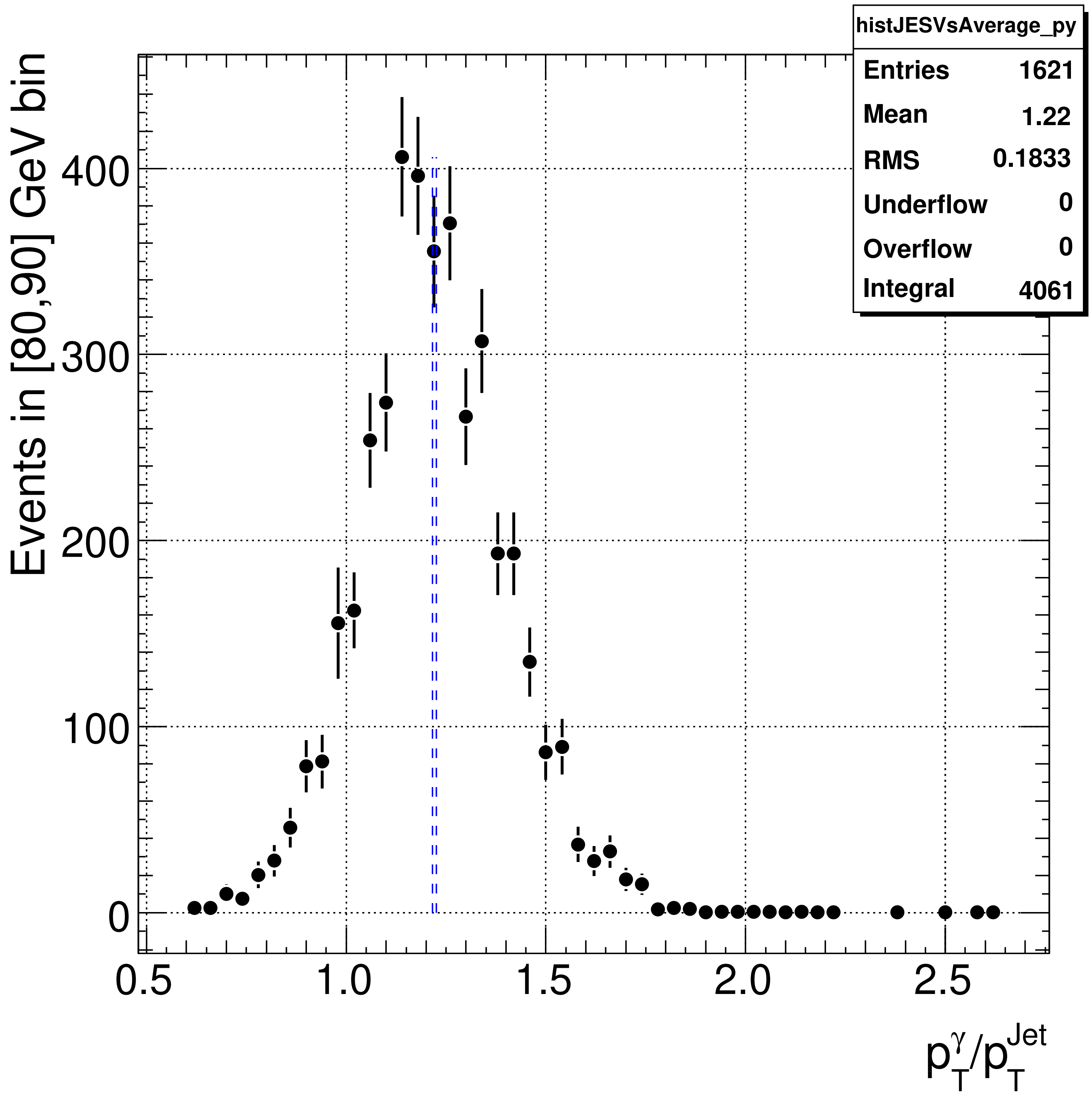


histJESVsAverage_py
Entries 2449
Mean 1.205
RMS 0.2454
Underflow 0
Overflow 0.5479
Integral 3.034e+04
Events in [50,60] GeV bin
0
1000
2000
1
2
3
p_T^{γ}/p_T^{Jet}

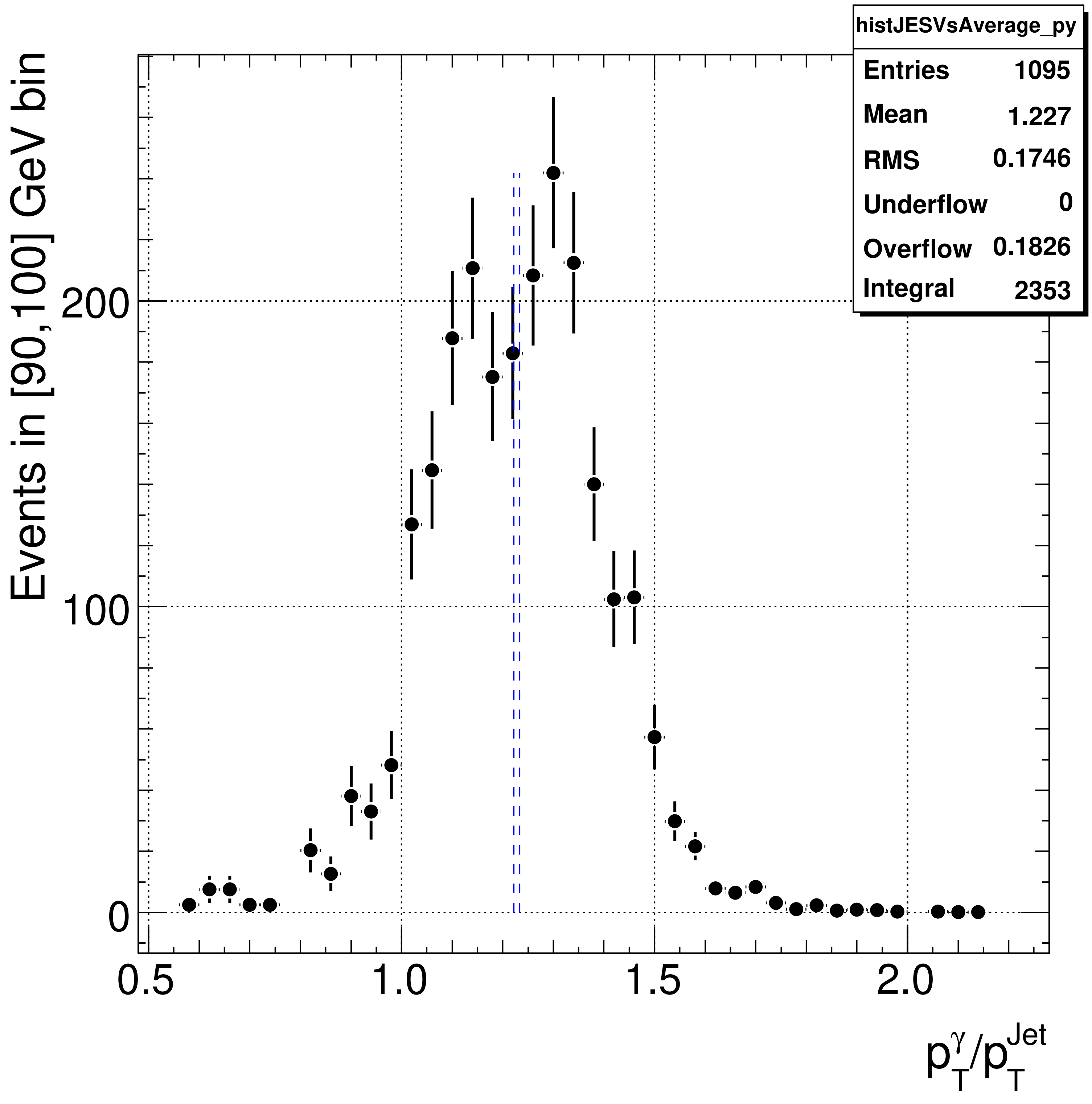

histJESVsAverage_py
Entries 2965
Mean 1.217
RMS 0.2224
Underflow 0
Overflow 0.1826
Integral 1.397e+04
Events in [60,70] GeV bin
1000
500
0
1
2
3
p_T^γ/p_T^{Jet}



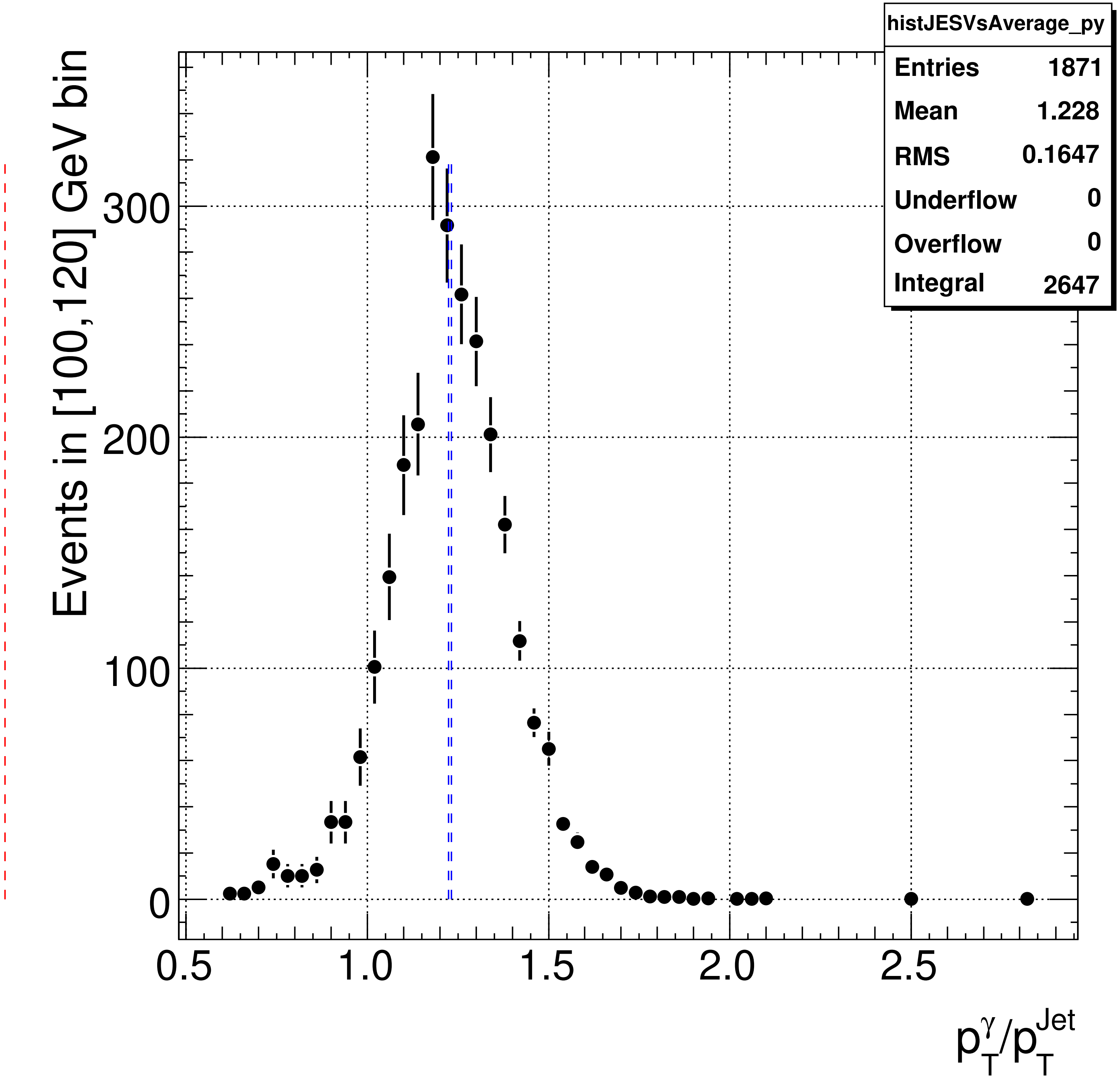
histJESVsAverage_py
Entries 2629
Mean 1.218
RMS 0.2065
Underflow 0
Overflow 0.5479
Integral 7701
Events in [70,80] GeV bin
600
400
200
0
1
2
3
p_T^{γ}/p_T^{Jet}

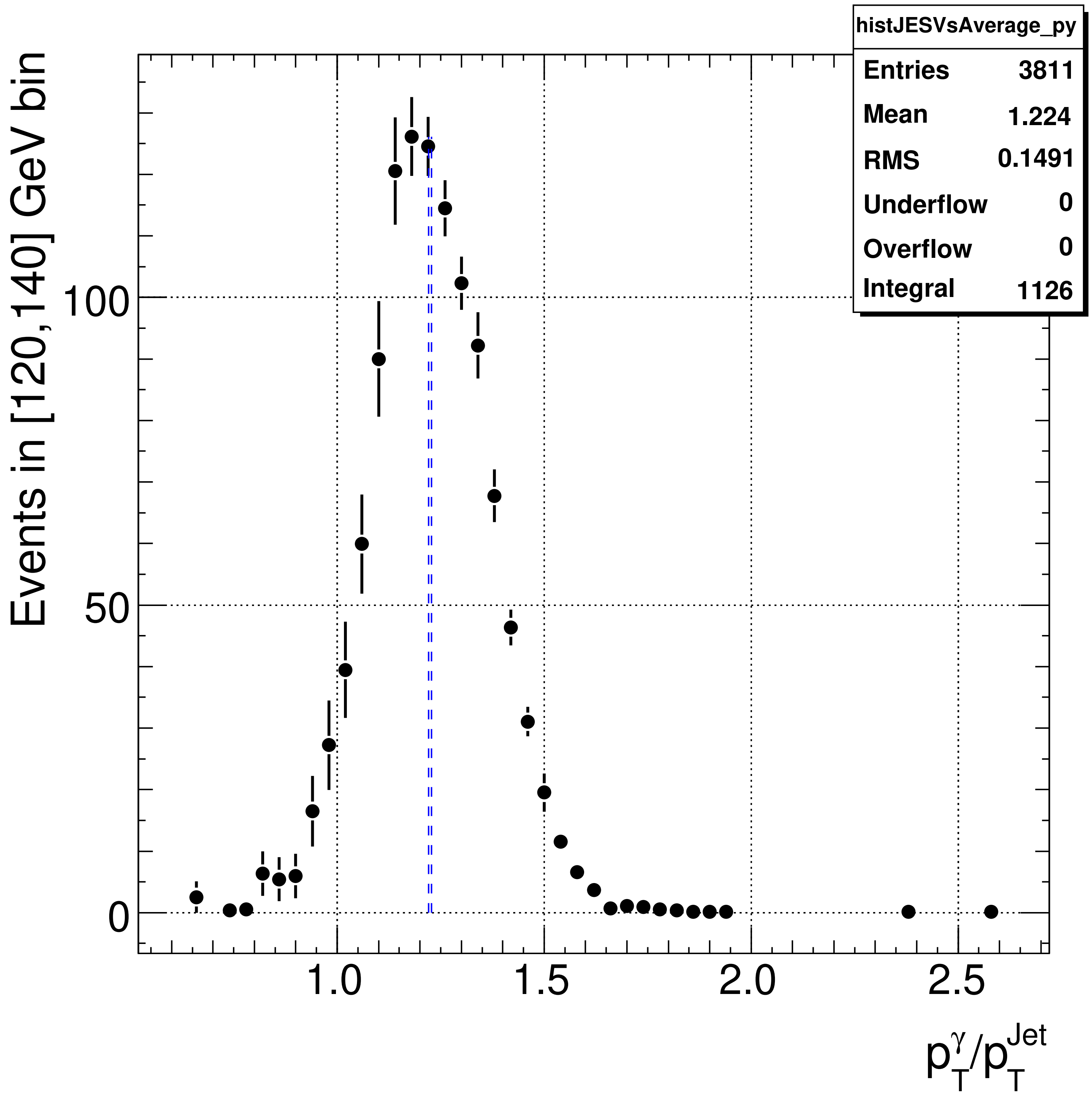


histJESVsAverage_py
Entries 1621
Mean 1.22
RMS 0.1833
Underflow 0
Overflow 0
Integral 4061
Events in [80,90] GeV bin
0
100
200
300
400
0.5
1.0
1.5
2.0
2.5
p_T^γ/p_T^{Jet}

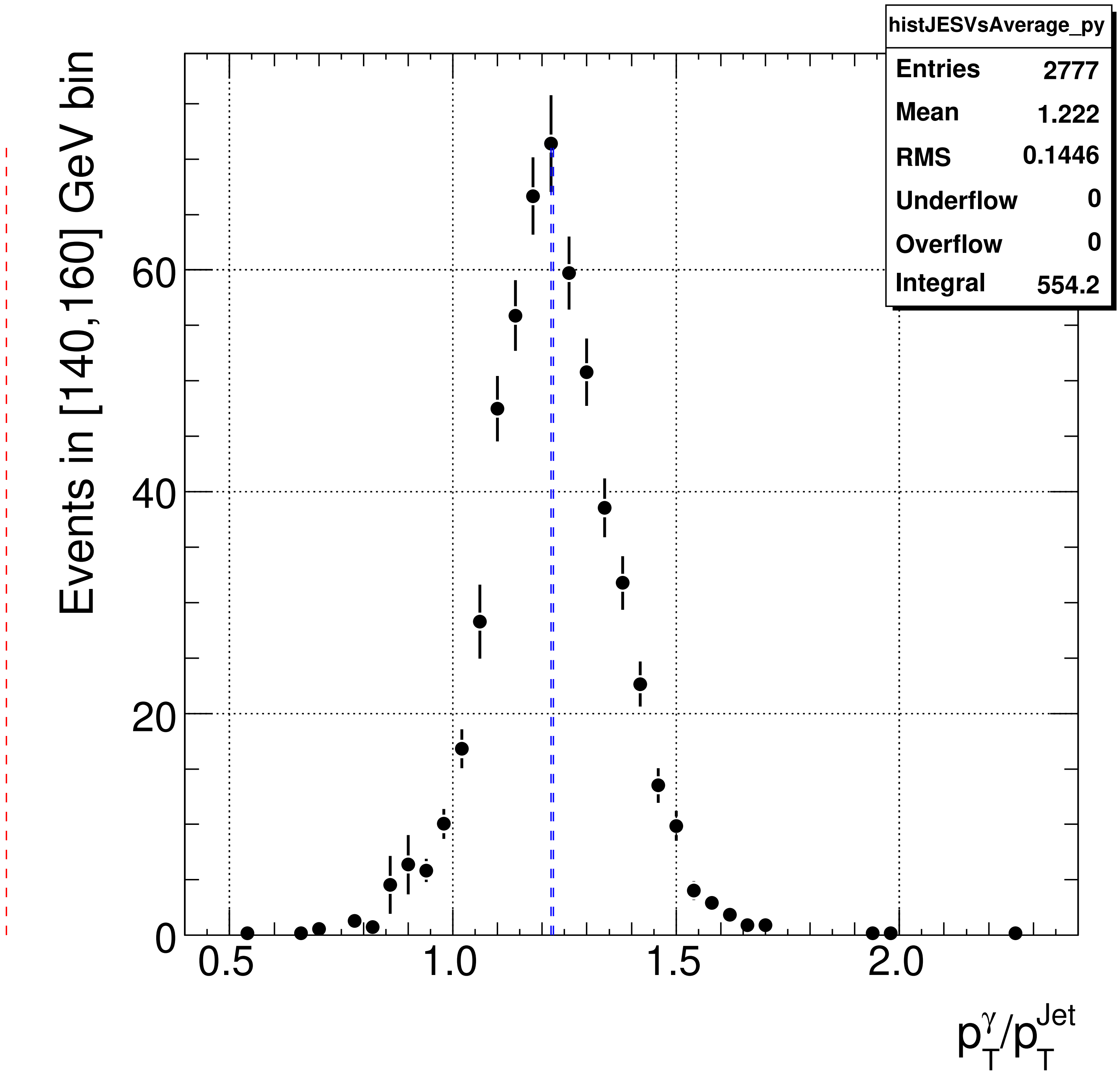


histJESVsAverage_py
Entries 1095
Mean 1.227
RMS 0.1746
Underflow 0
Overflow 0.1826
Integral 2353
Events in [90,100] GeV bin
0
100
200
0.5
1.0
1.5
2.0
p_T^{γ}/p_T^{Jet}

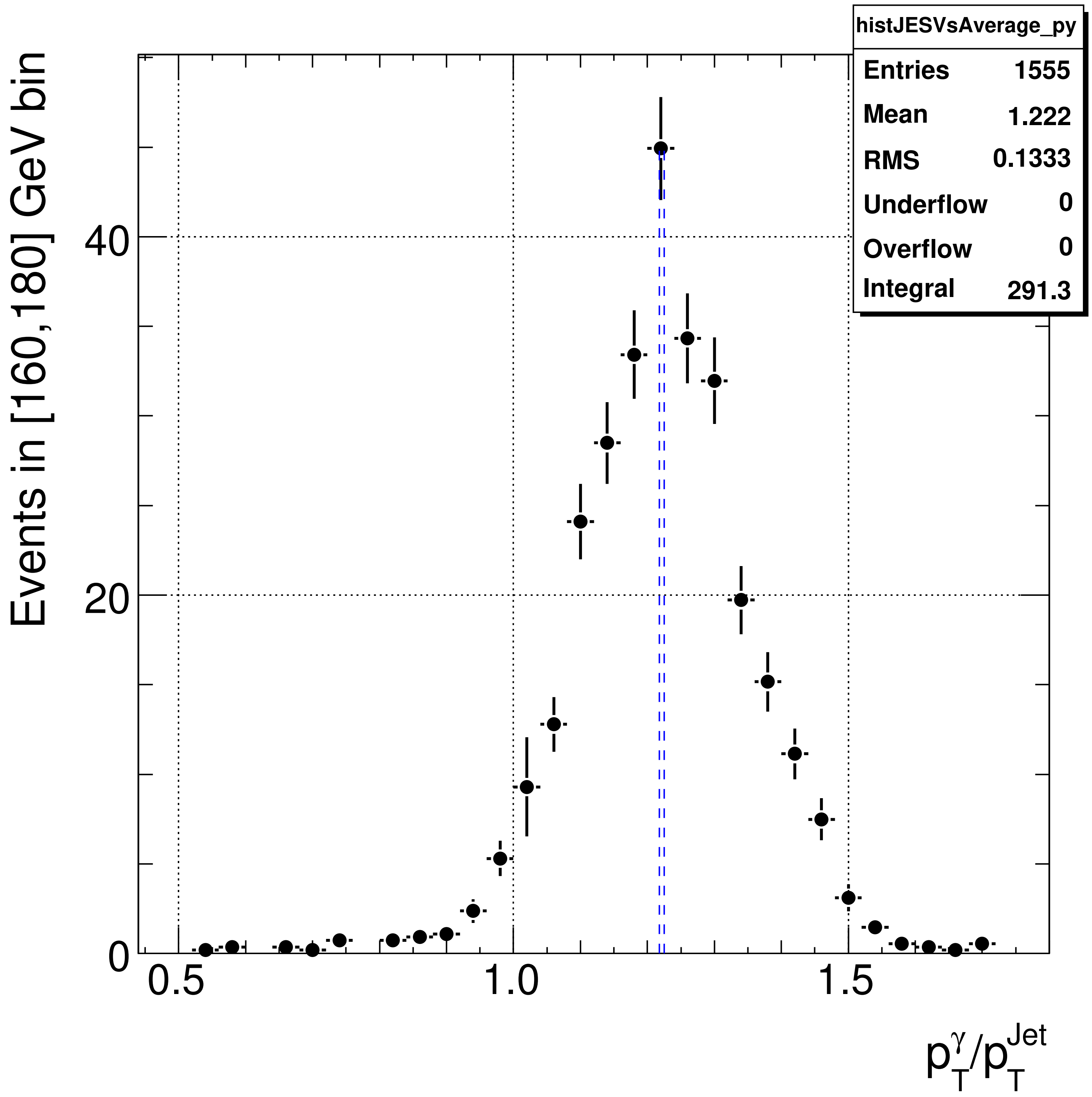

histJESVsAverage_py
Entries 1871
Mean 1.228
RMS 0.1647
Underflow 0
Overflow 0
Integral 2647
Events in [100,120] GeV bin
p_T^{γ}/p_T^{Jet}
0
100
200
300
0.5
1.0
1.5
2.0
2.5



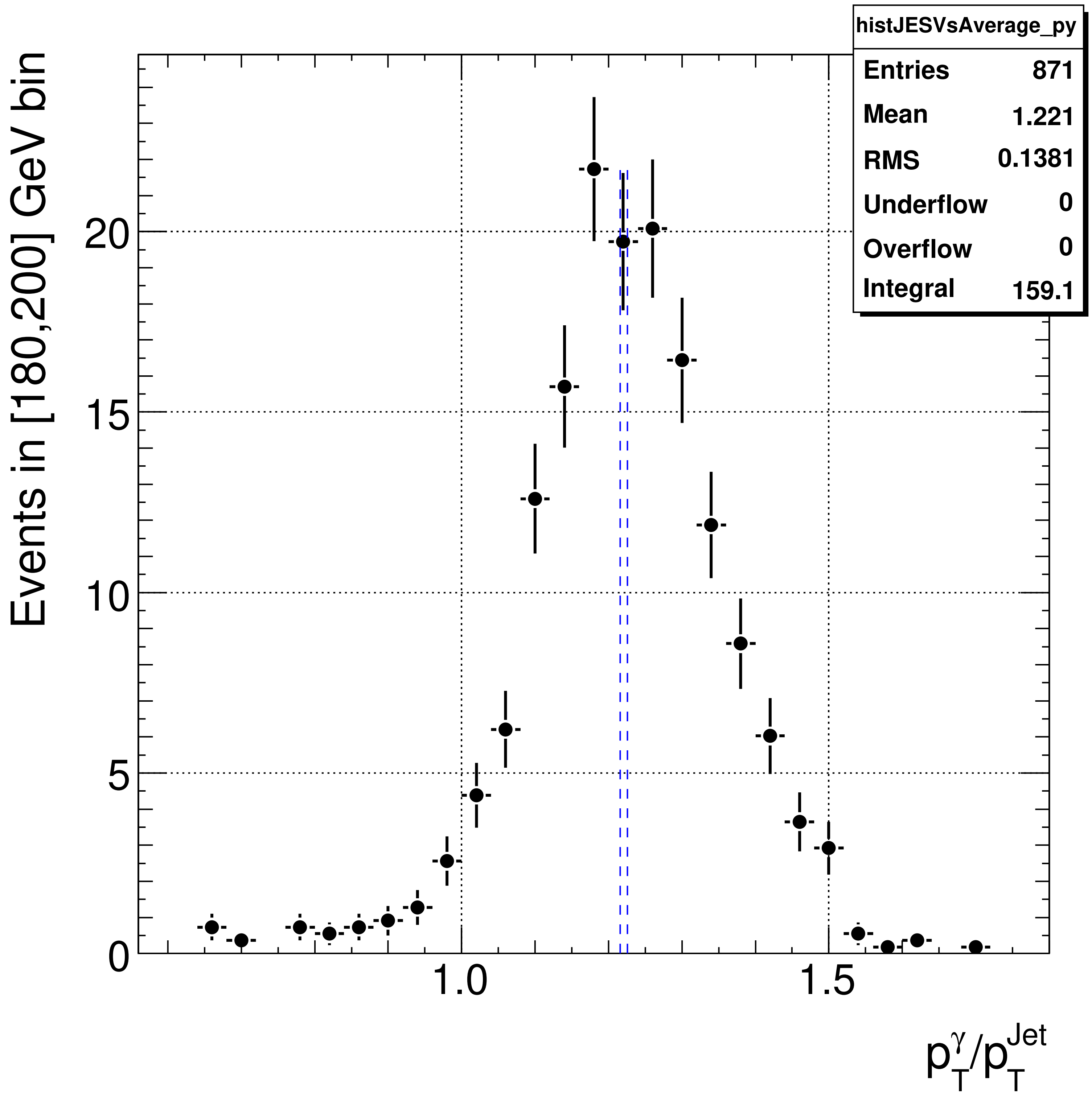
histJESVsAverage_py
Entries 3811
Mean 1.224
RMS 0.1491
Underflow 0
Overflow 0
Integral 1126
Events in [120,140] GeV bin
0
50
100
1.0
1.5
2.0
2.5
p_T^γ/p_T^{Jet}



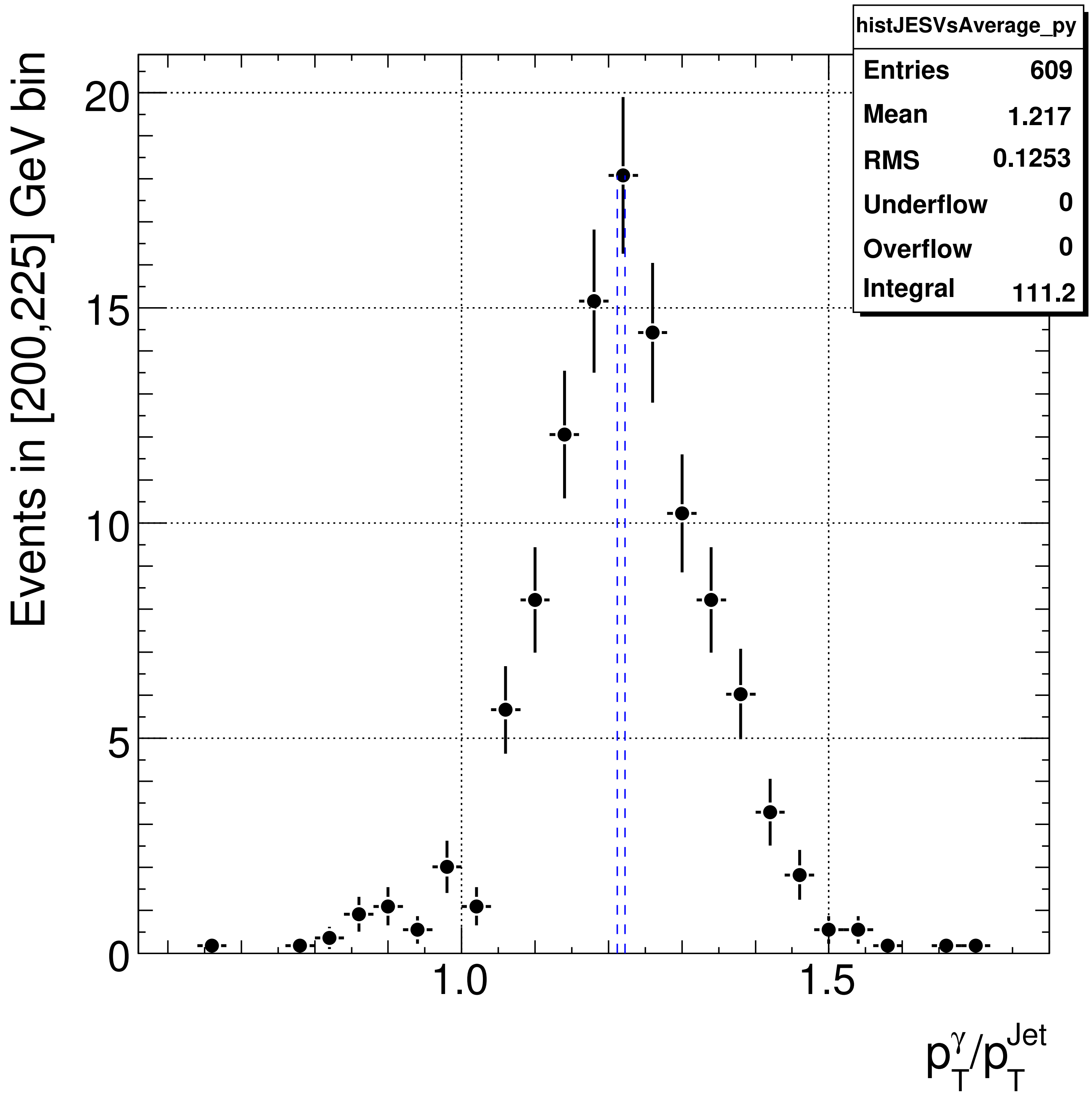
histJESVsAverage_py
Entries 2777
Mean 1.222
RMS 0.1446
Underflow 0
Overflow 0
Integral 554.2
Events in [140,160] GeV bin
0
20
40
60
0.5
1.0
1.5
2.0
p_T^{γ}/p_T^{Jet}



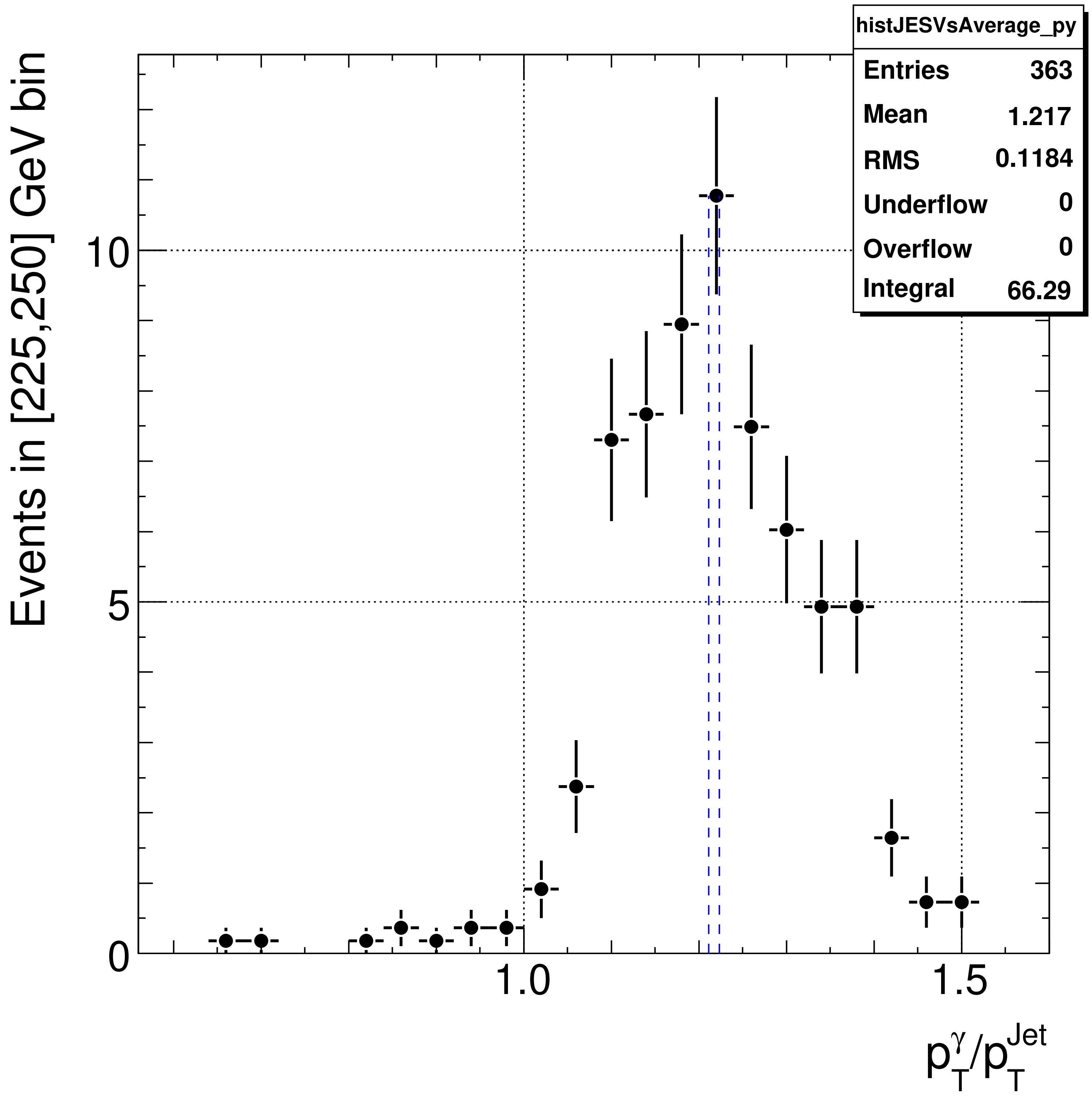
histJESVsAverage_py
Entries 1555
Mean 1.222
RMS 0.1333
Underflow 0
Overflow 0
Integral 291.3
Events in [160,180] GeV bin
0
20
40
0.5
1.0
1.5
p_T^{γ}/p_T^{Jet}



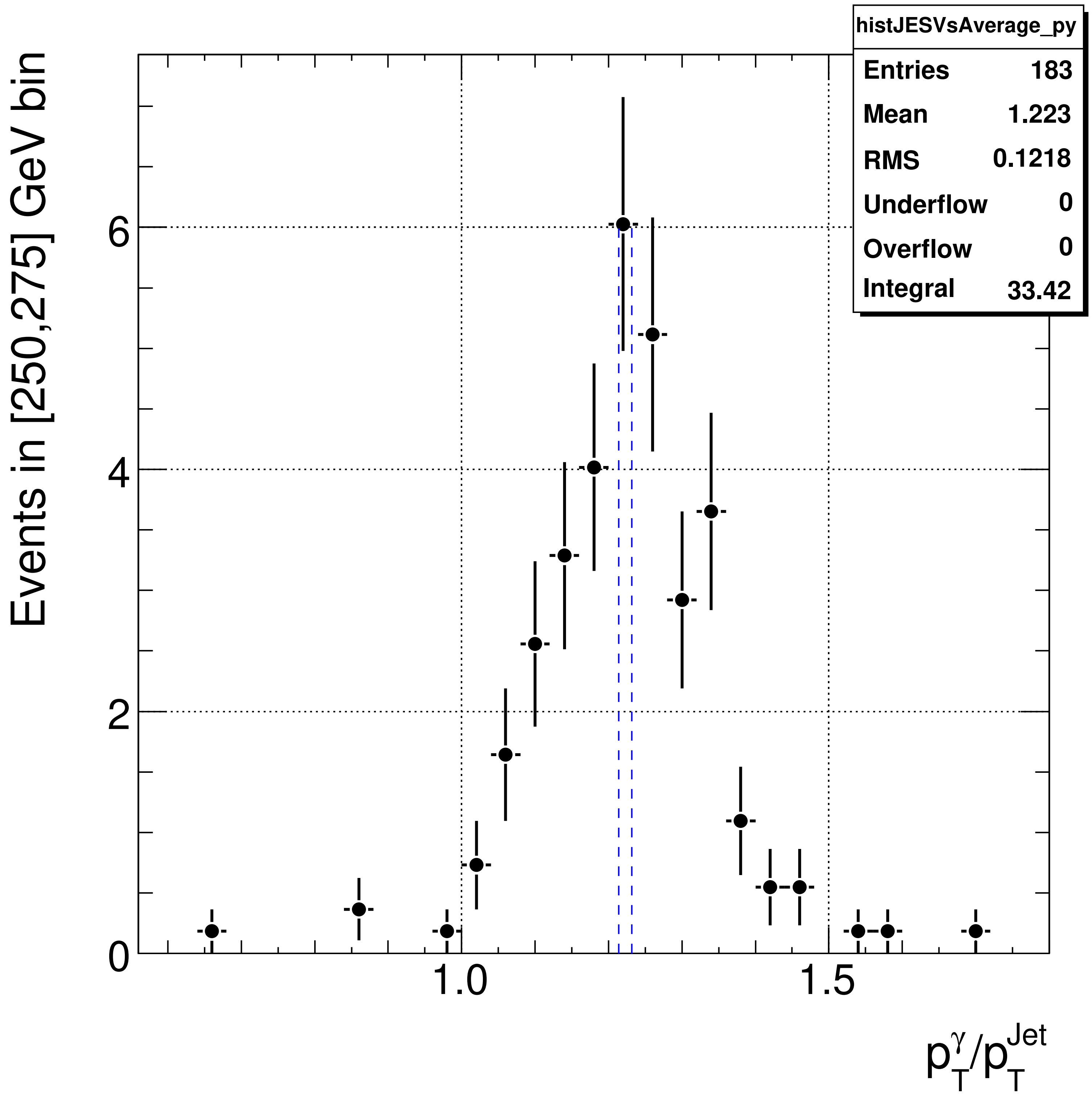
histJESVsAverage_py
Entries 871
Mean 1.221
RMS 0.1381
Underflow 0
Overflow 0
Integral 159.1
Events in [180,200] GeV bin
0
5
10
15
20
1.0
1.5
p_T^{γ}/p_T^{Jet}



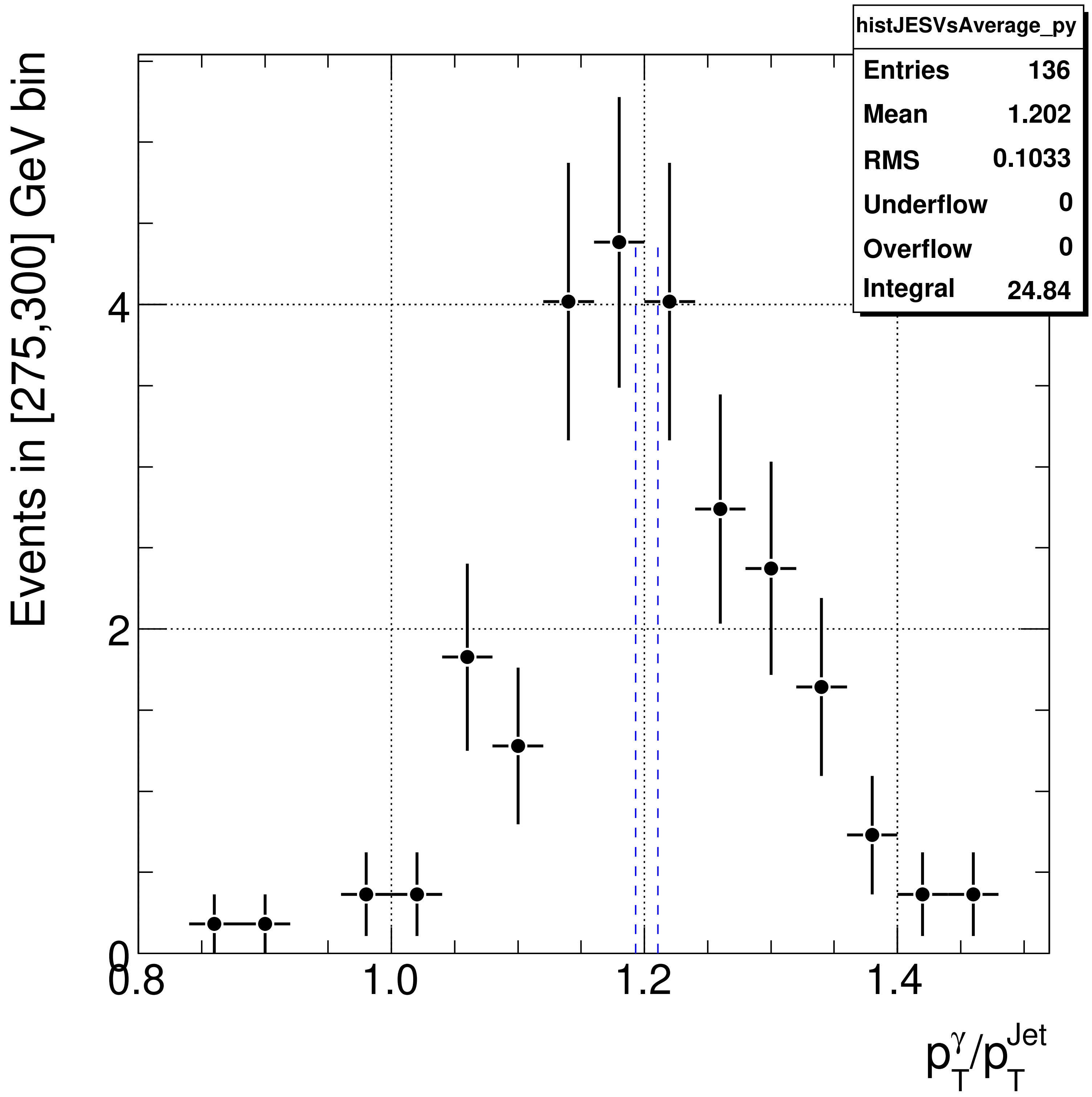
histJESVsAverage_py
Entries 609
Mean 1.217
RMS 0.1253
Underflow 0
Overflow 0
Integral 111.2
Events in [200,225] GeV bin
p_T^{γ}/p_T^{Jet}
0
5
10
15
20
1.0
1.5



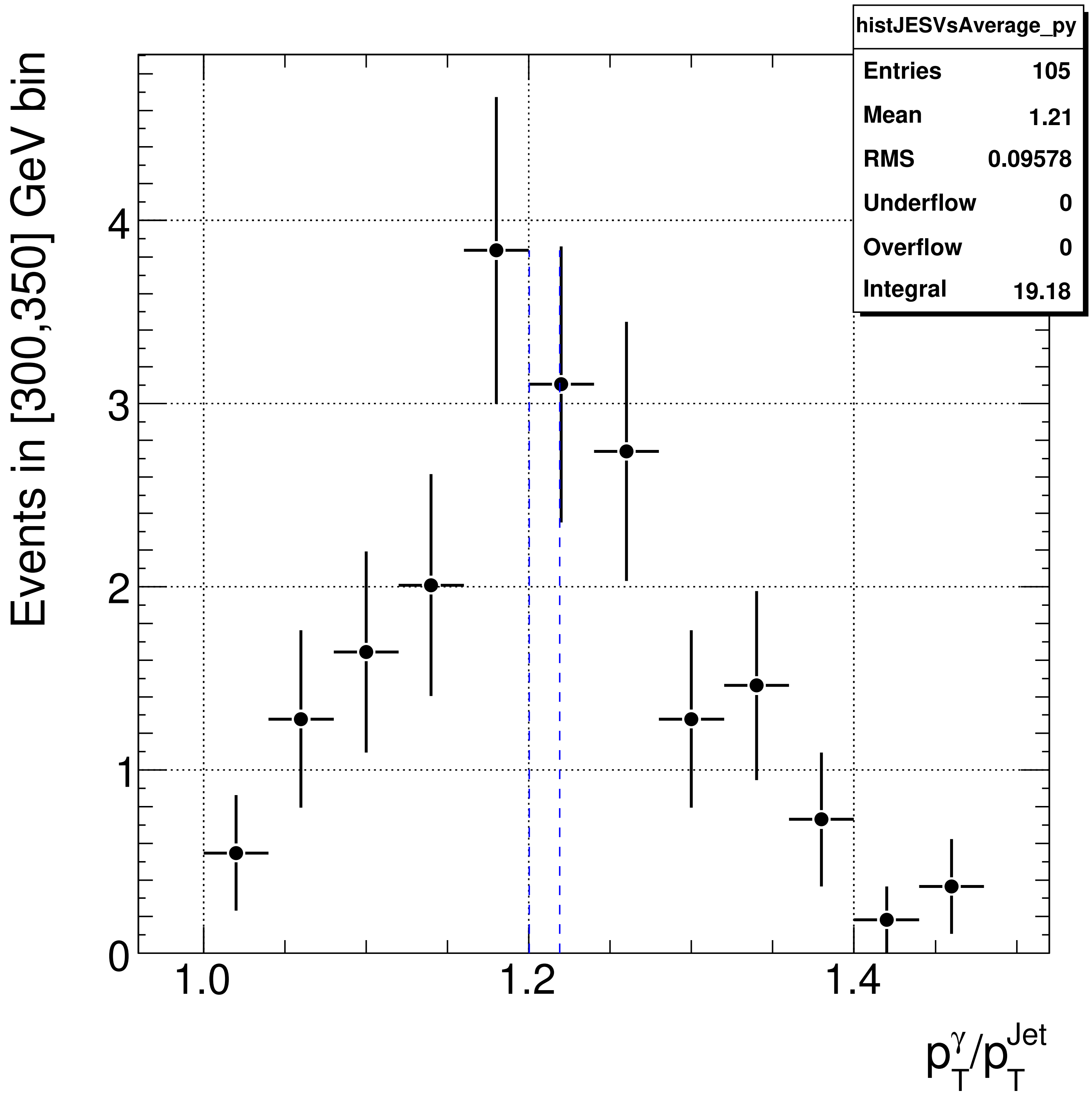
histJESVsAverage_py
Entries 363
Mean 1.217
RMS 0.1184
Underflow 0
Overflow 0
Integral 66.29
Events in [225,250] GeV bin
0
5
10
1.0
1.5
p_T^{γ}/p_T^{Jet}



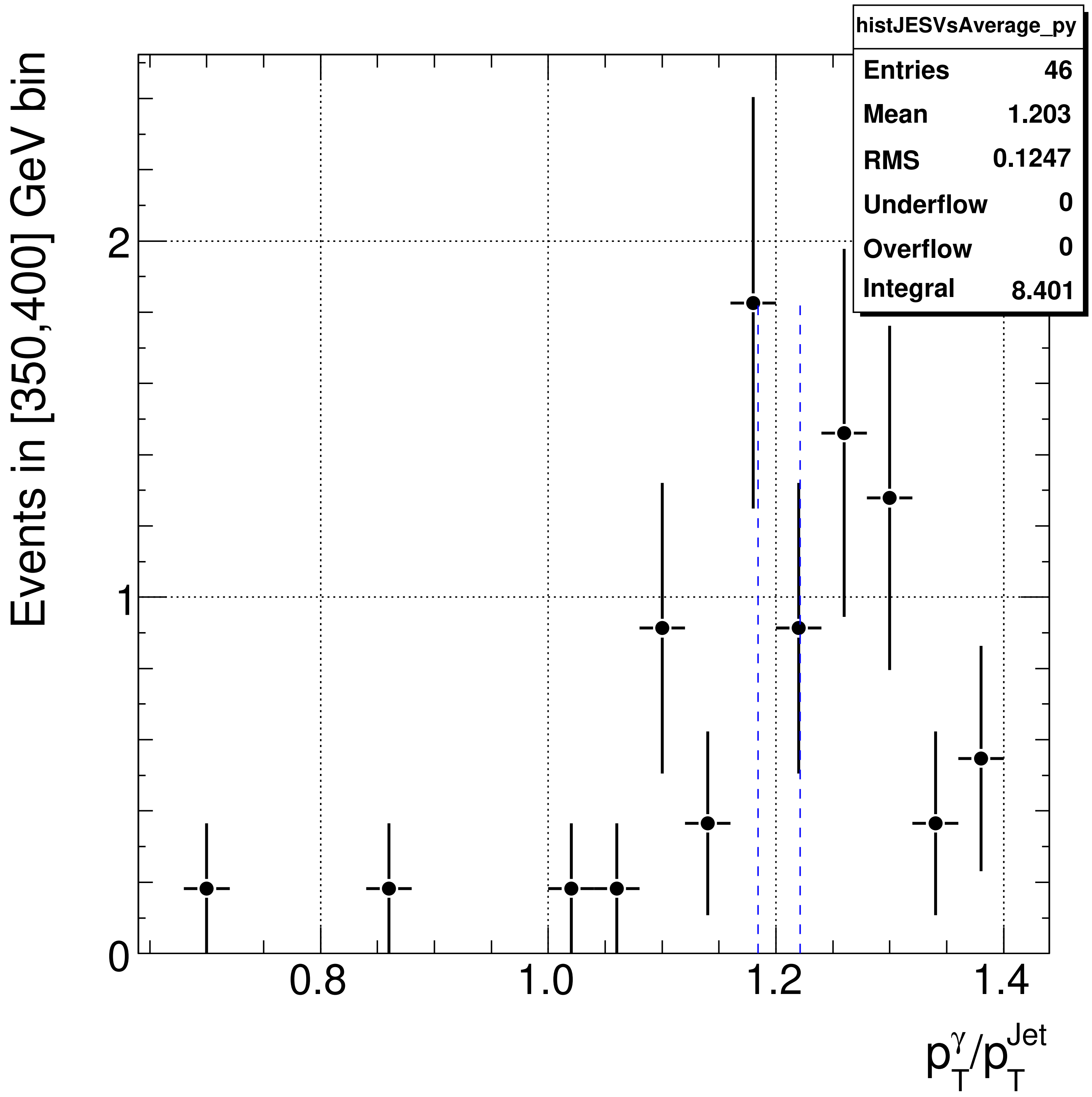
histJESVsAverage_py
Entries 183
Mean 1.223
RMS 0.1218
Underflow 0
Overflow 0
Integral 33.42
Events in [250,275] GeV bin
0
2
4
6
1.0
1.5
p_T^{γ}/p_T^{Jet}



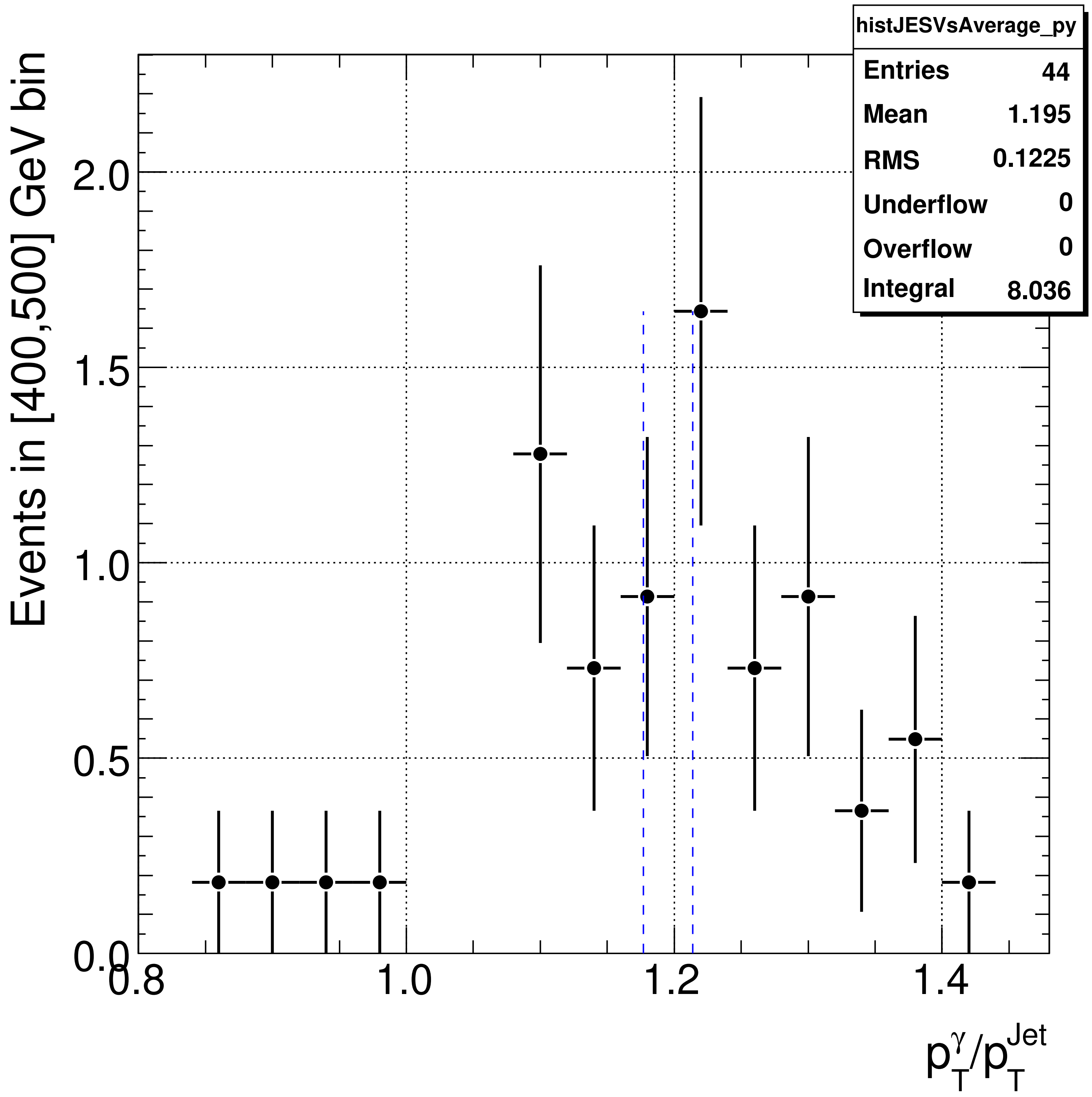
histJESVsAverage_py
Entries 136
Mean 1.202
RMS 0.1033
Underflow 0
Overflow 0
Integral 24.84
Events in [275,300] GeV bin
0
2
4
0.8
1.0
1.2
1.4
p_T^{γ}/p_T^{Jet}



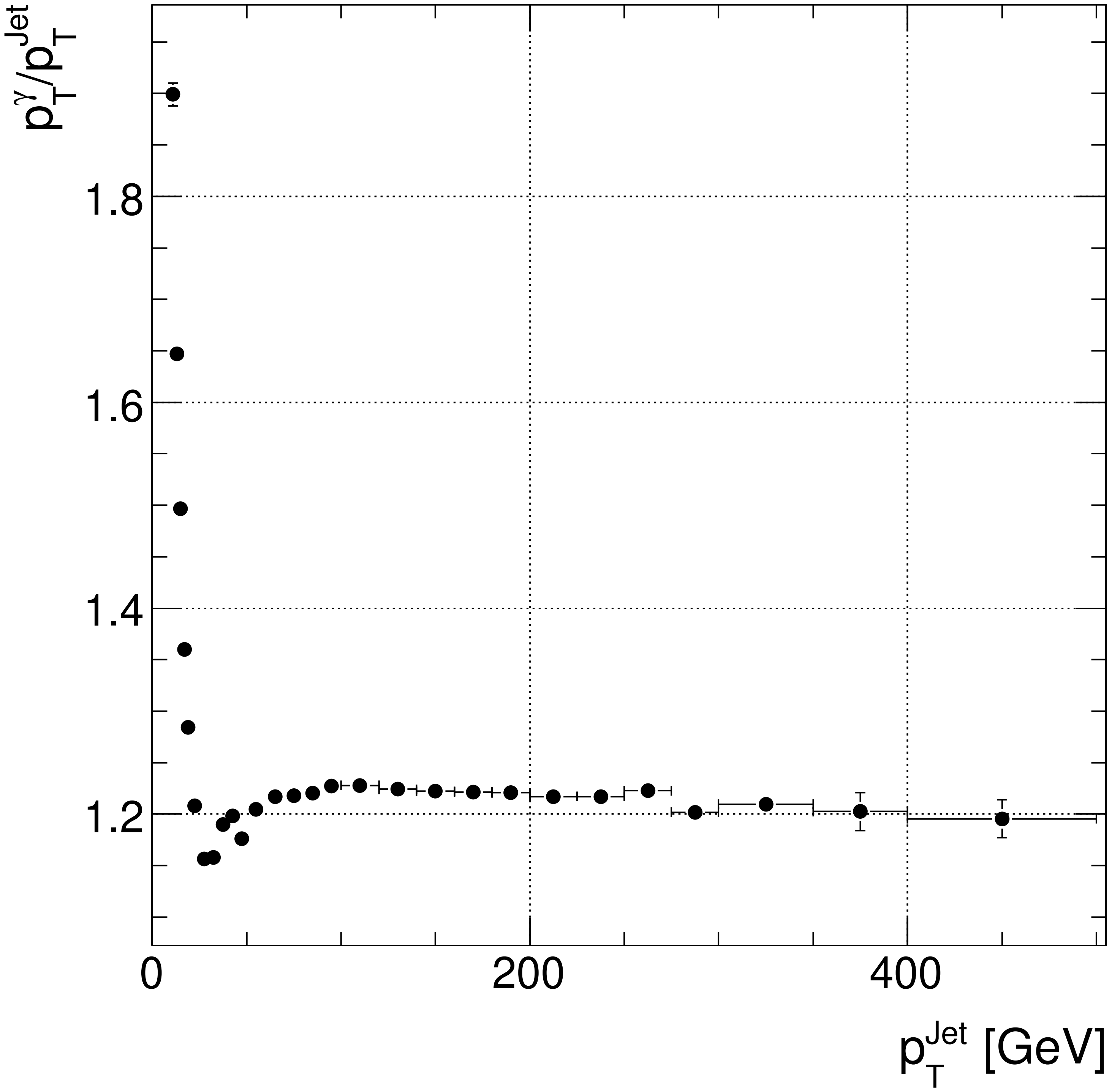
histJESVsAverage_py
Entries 105
Mean 1.21
RMS 0.09578
Underflow 0
Overflow 0
Integral 19.18
Events in [300,350] GeV bin
0
1
2
3
4
1.0
1.2
1.4
p_T^{γ}/p_T^{Jet}



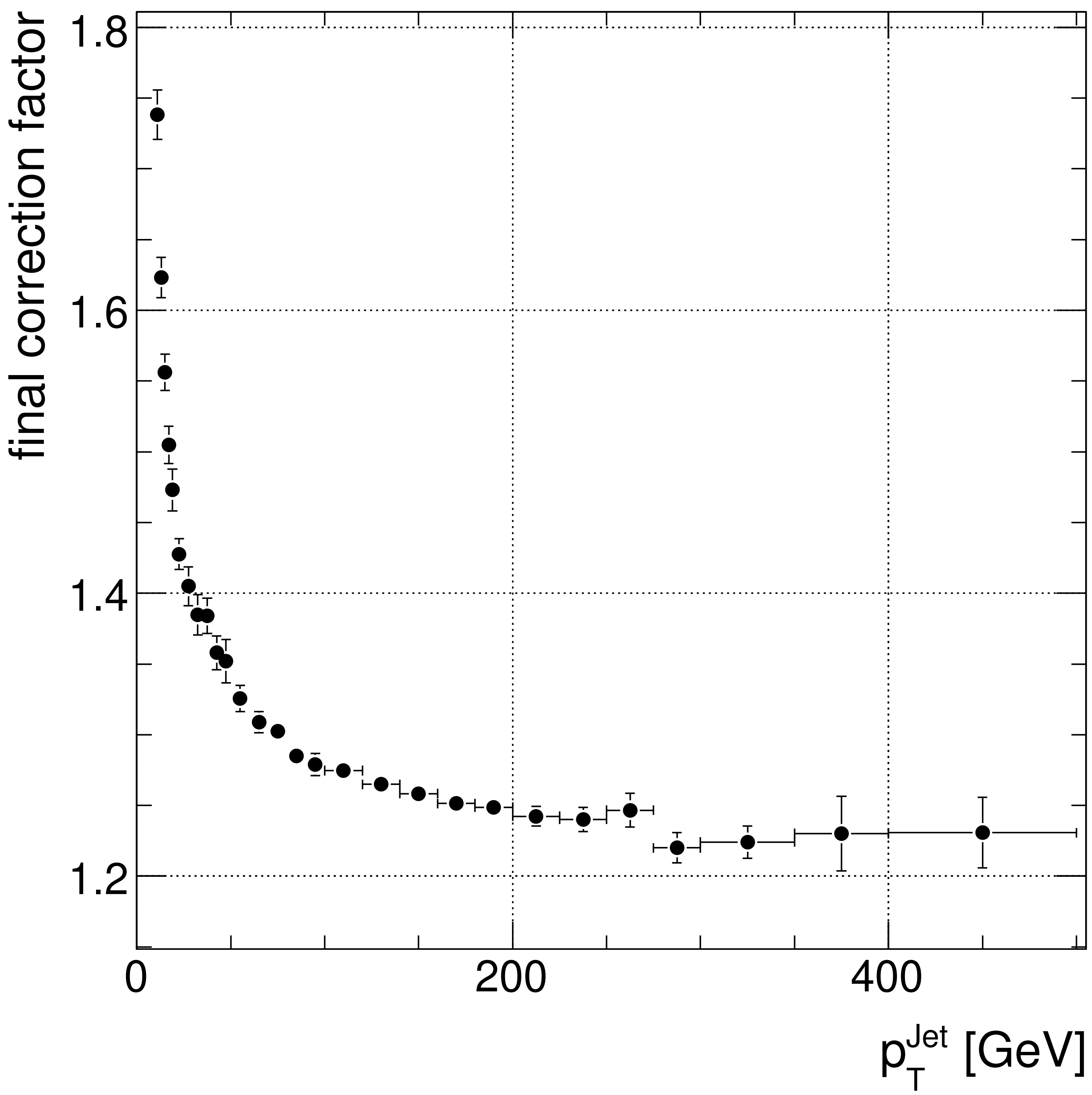
histJESVsAverage_py
Entries 46
Mean 1.203
RMS 0.1247
Underflow 0
Overflow 0
Integral 8.401
Events in [350,400] GeV bin
0
1
2
0.8
1.0
1.2
1.4
p_T^γ/p_T^{Jet}

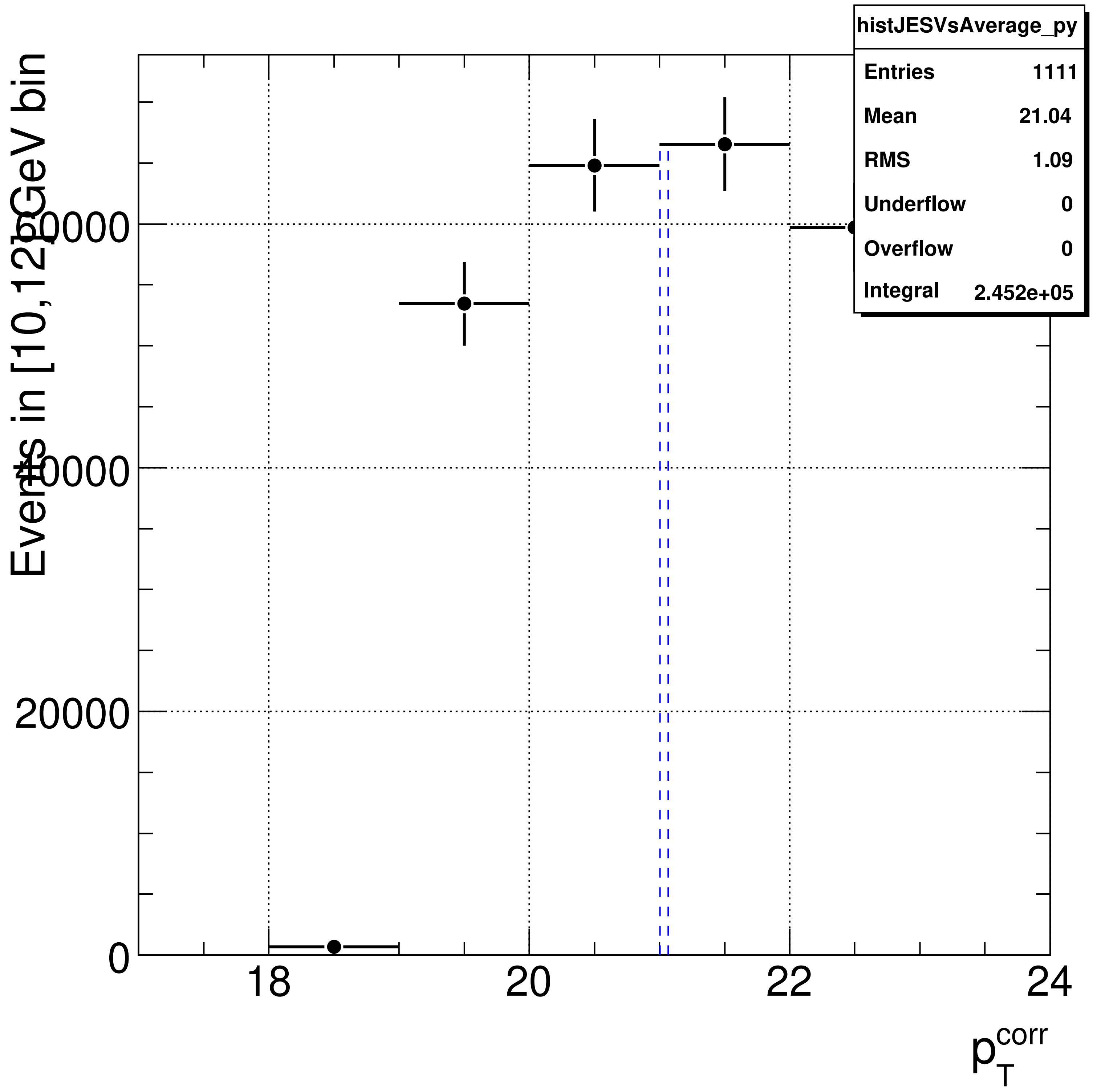


histJESVsAverage_py
Entries 44
Mean 1.195
RMS 0.1225
Underflow 0
Overflow 0
Integral 8.036
Events in [400,500] GeV bin
0.0
0.5
1.0
1.5
2.0
0.8
1.0
1.2
1.4
p_T^{γ}/p_T^{Jet}

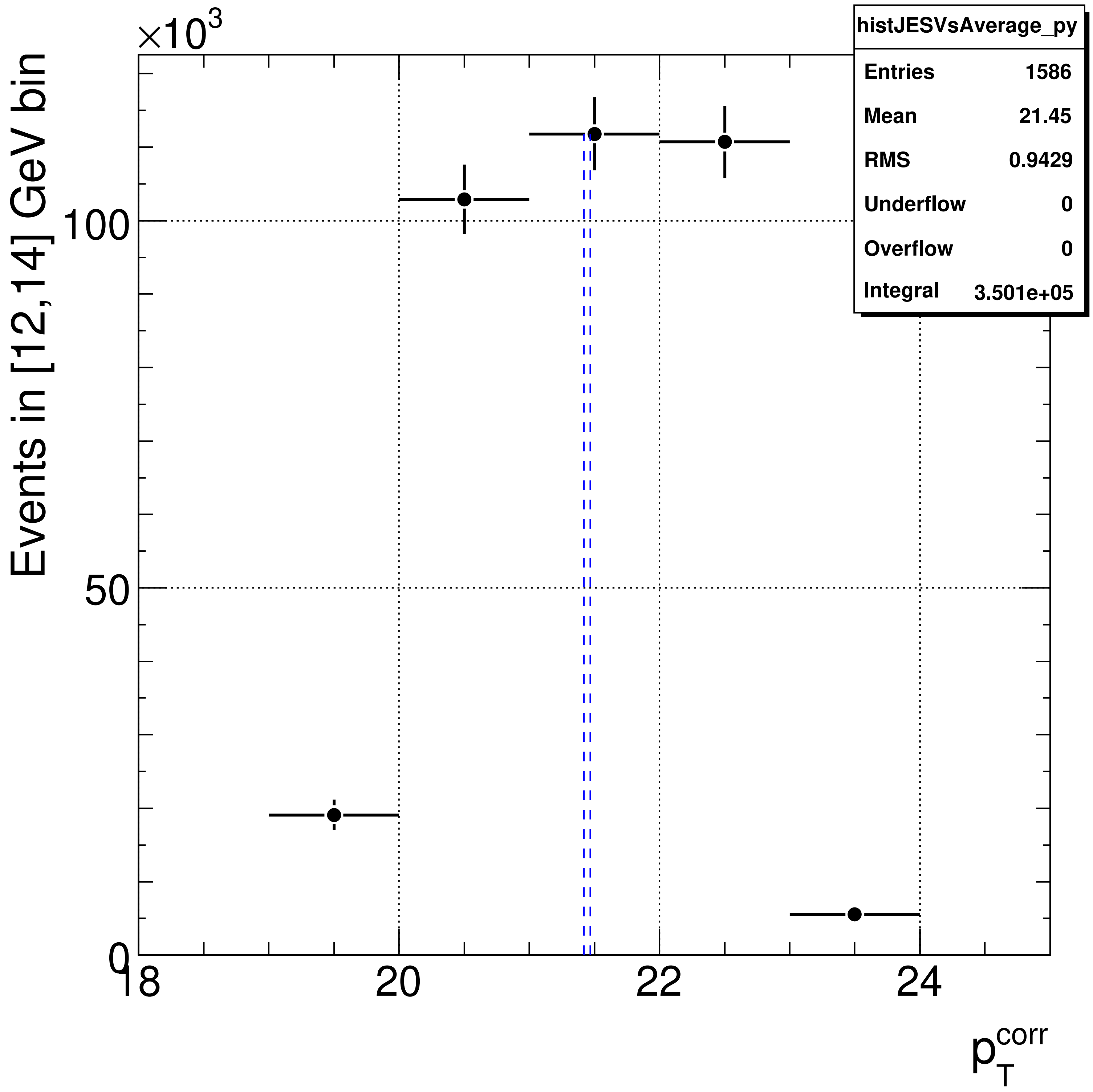


p_T^γ/p_T^{Jet}
1.8
1.6
1.4
1.2
0
200
400
p_T^{Jet} [GeV]

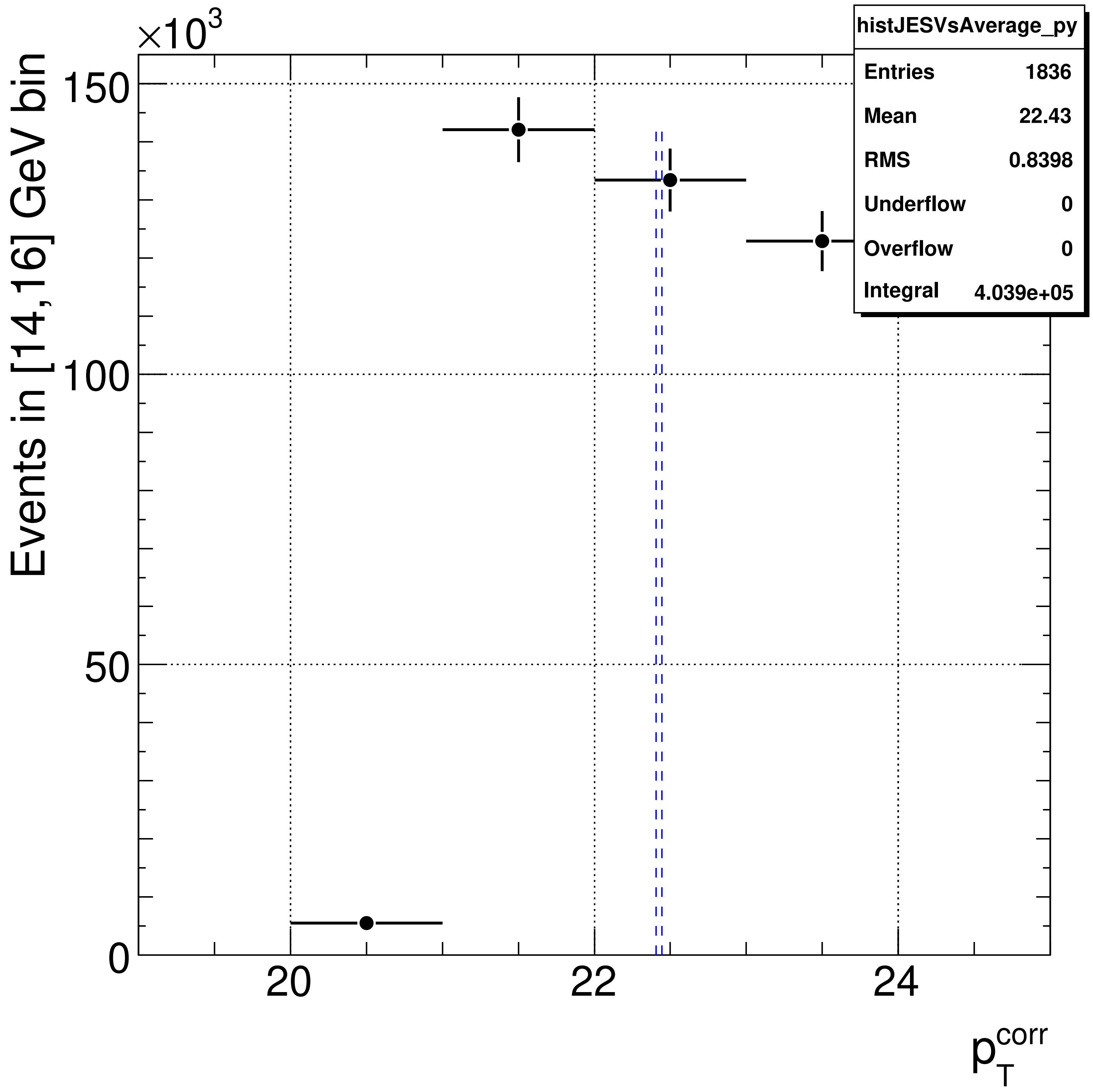

final correction factor
1.8
1.6
1.4
1.2
0
200
400
p_T^{Jet} [GeV]



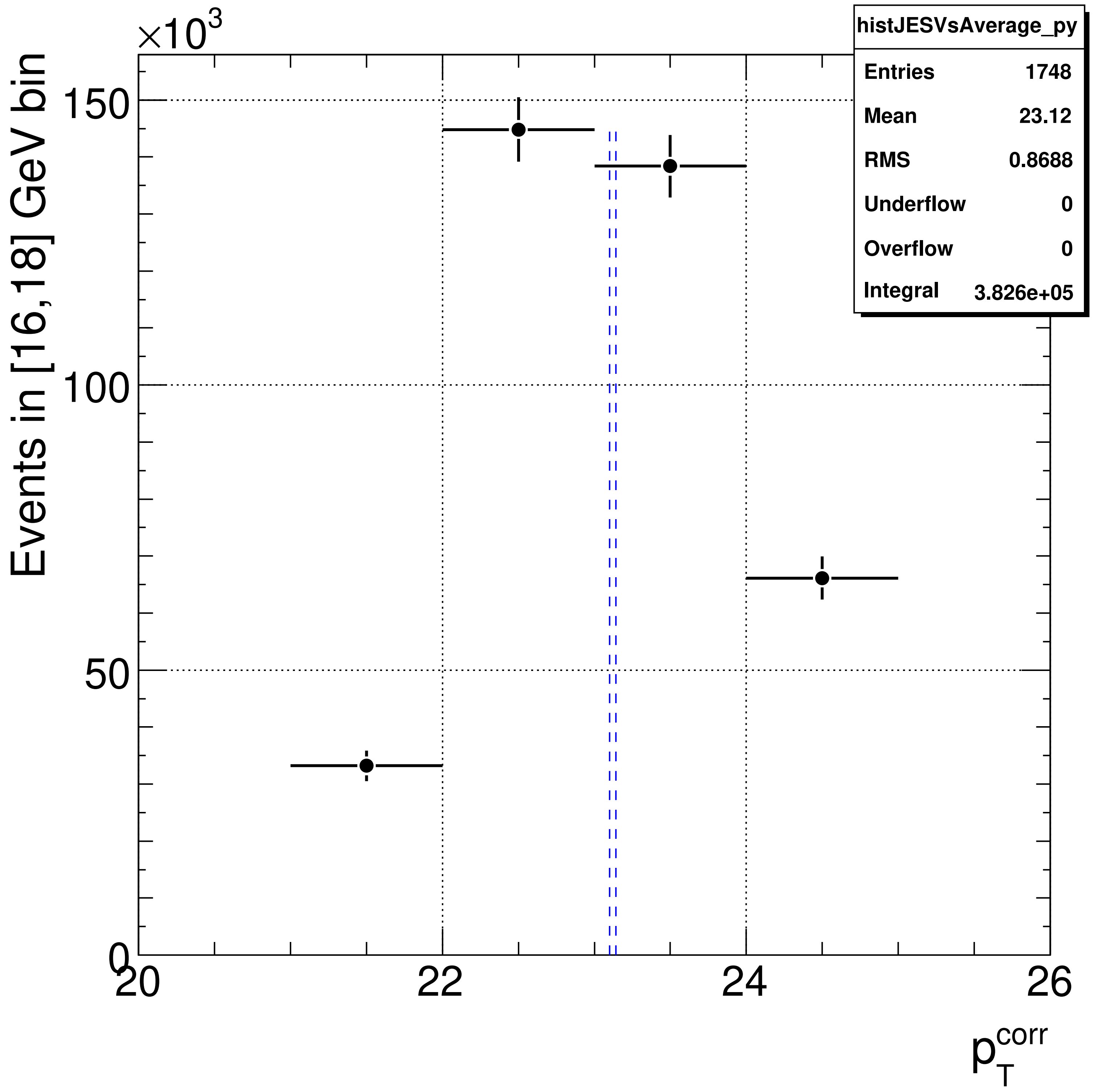
histJESVsAverage_py
Entries 1111
Mean 21.04
RMS 1.09
Underflow 0
Overflow 0
Integral 2.452e+05
Events in [10,12] GeV bin
0
20000
40000
60000
18
20
22
24
p_T^{corr}



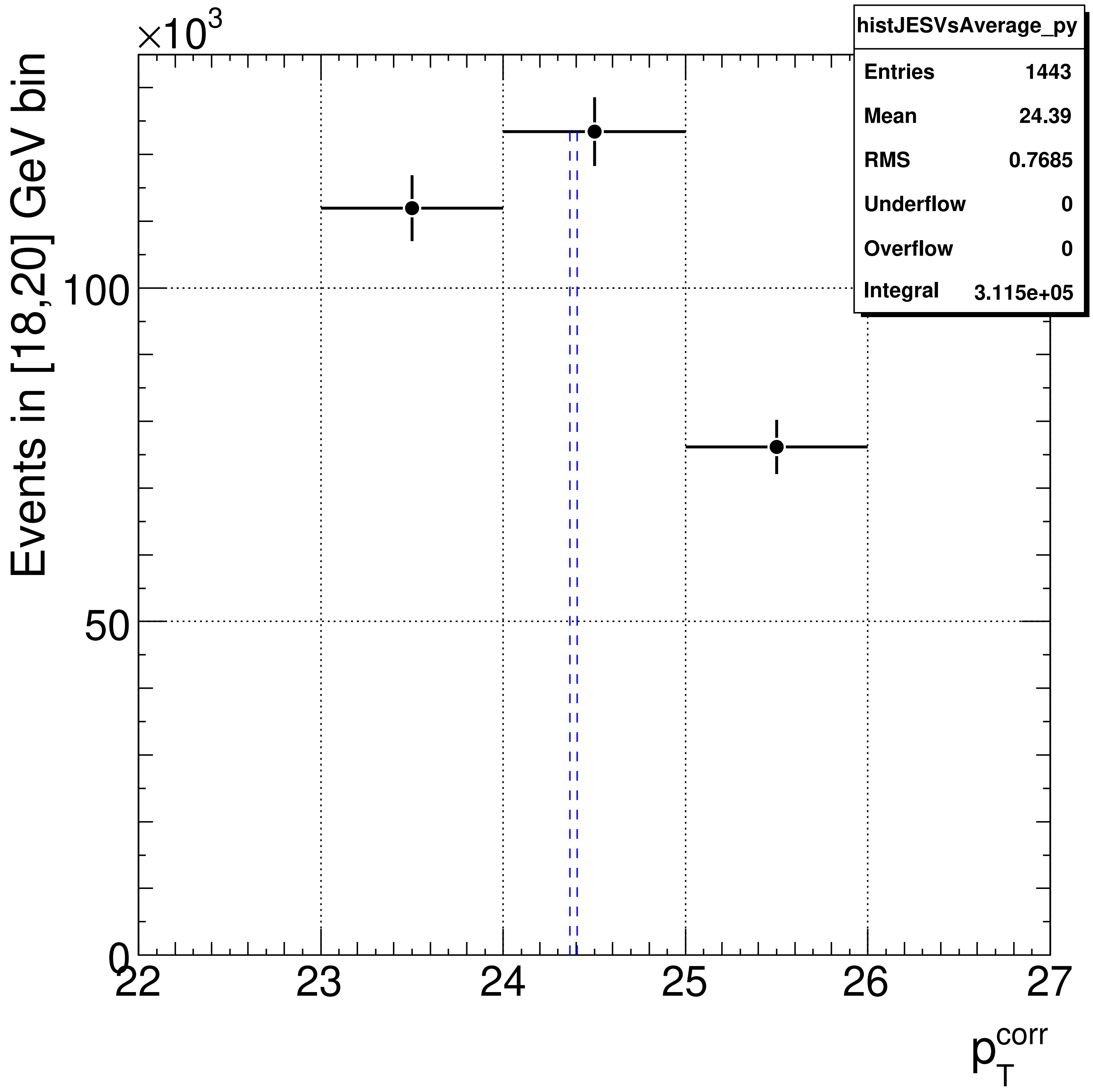
histJESVsAverage_py
Entries 1586
Mean 21.45
RMS 0.9429
Underflow 0
Overflow 0
Integral 3.501e+05
×10^3
Events in [12,14] GeV bin
0
50
100
18
20
22
24
p_T^corr



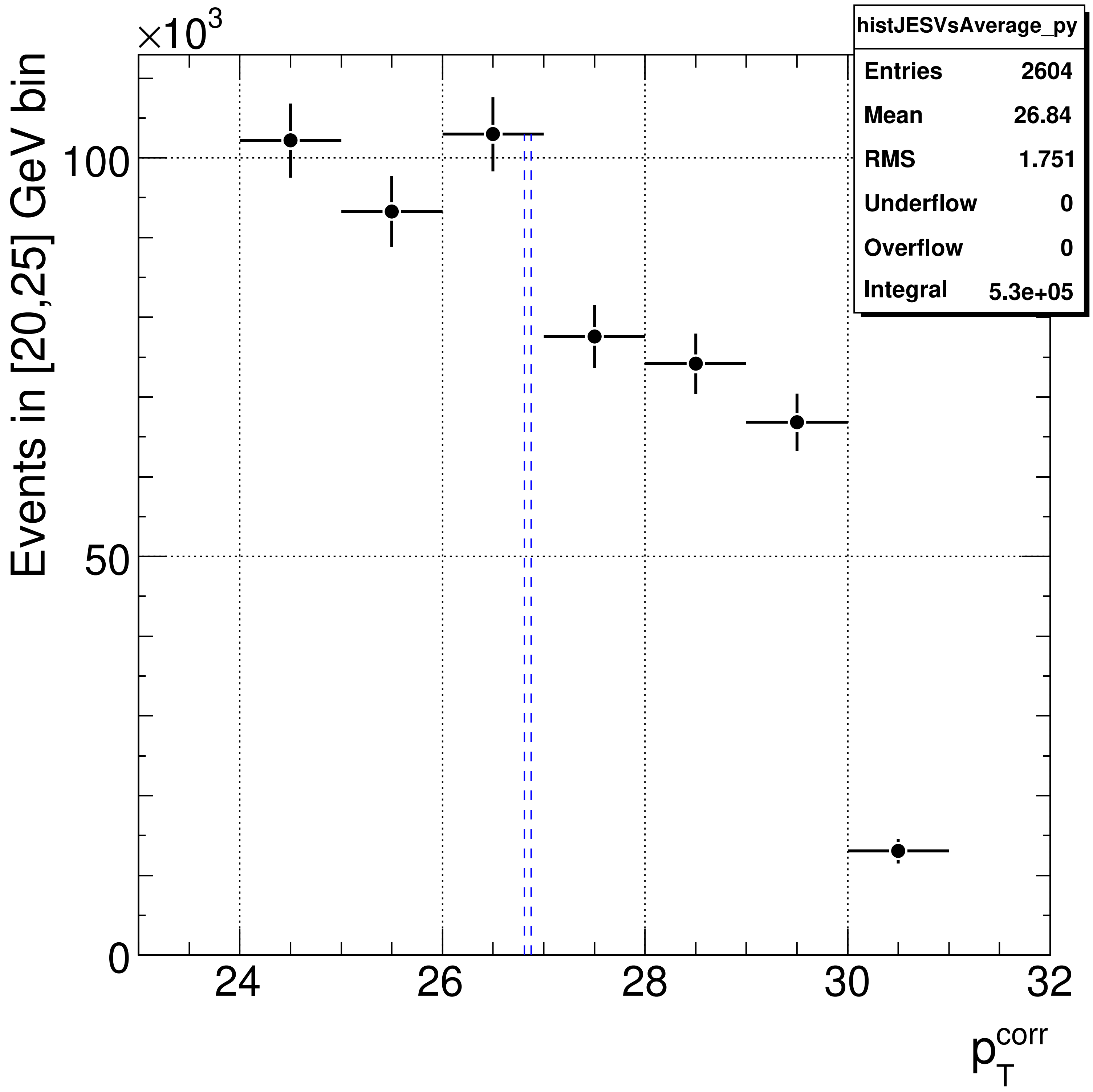
histJESVsAverage_py
Entries 1836
Mean 22.43
RMS 0.8398
Underflow 0
Overflow 0
Integral 4.039e+05
×10^3
Events in [14,16] GeV bin
0
50
100
150
20
22
24
p_T^{corr}



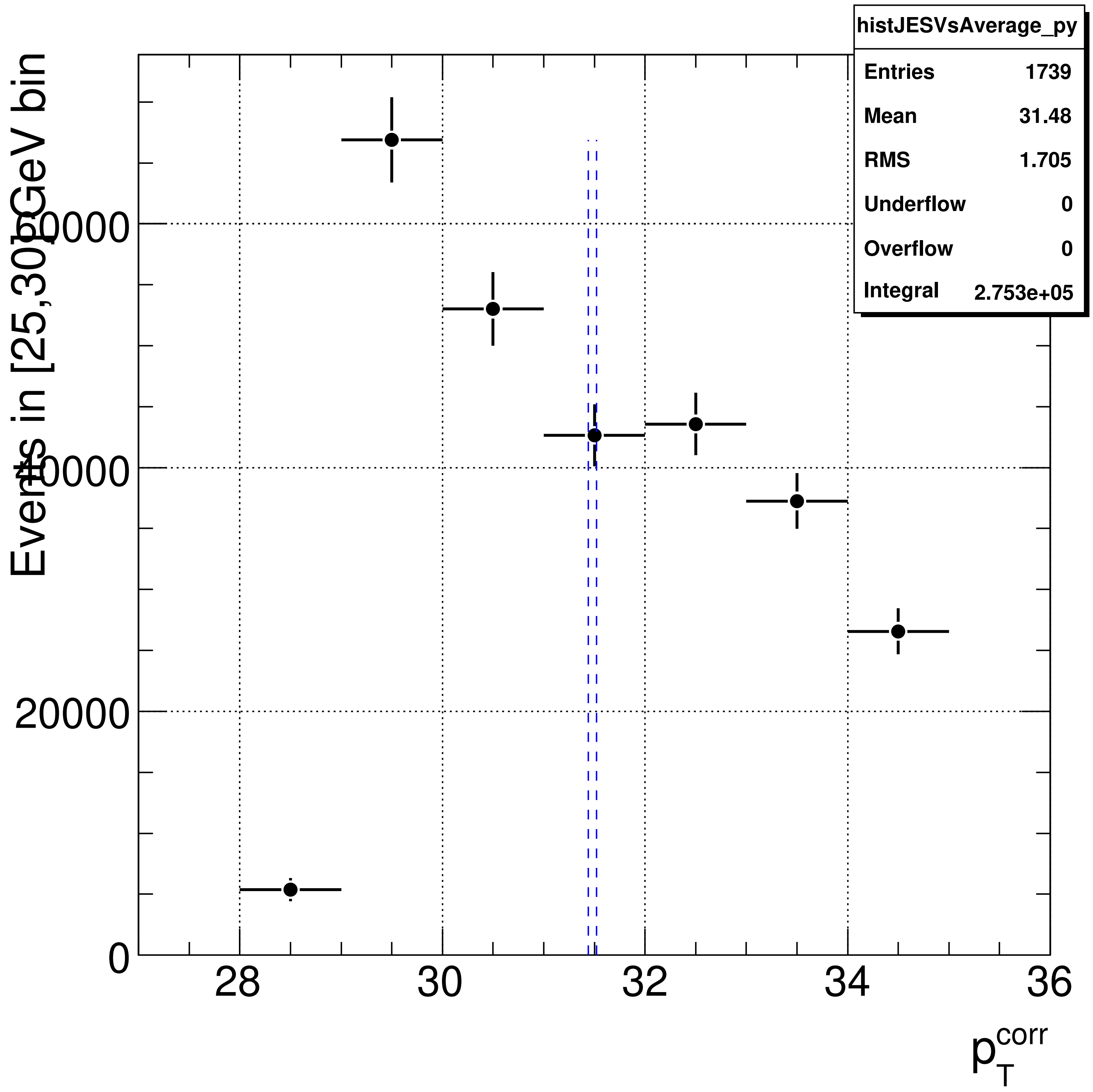
histJESVsAverage_py
Entries 1748
Mean 23.12
RMS 0.8688
Underflow 0
Overflow 0
Integral 3.826e+05
×10^3
Events in [16,18] GeV bin
150
100
50
0
20
22
24
26
p_T^corr

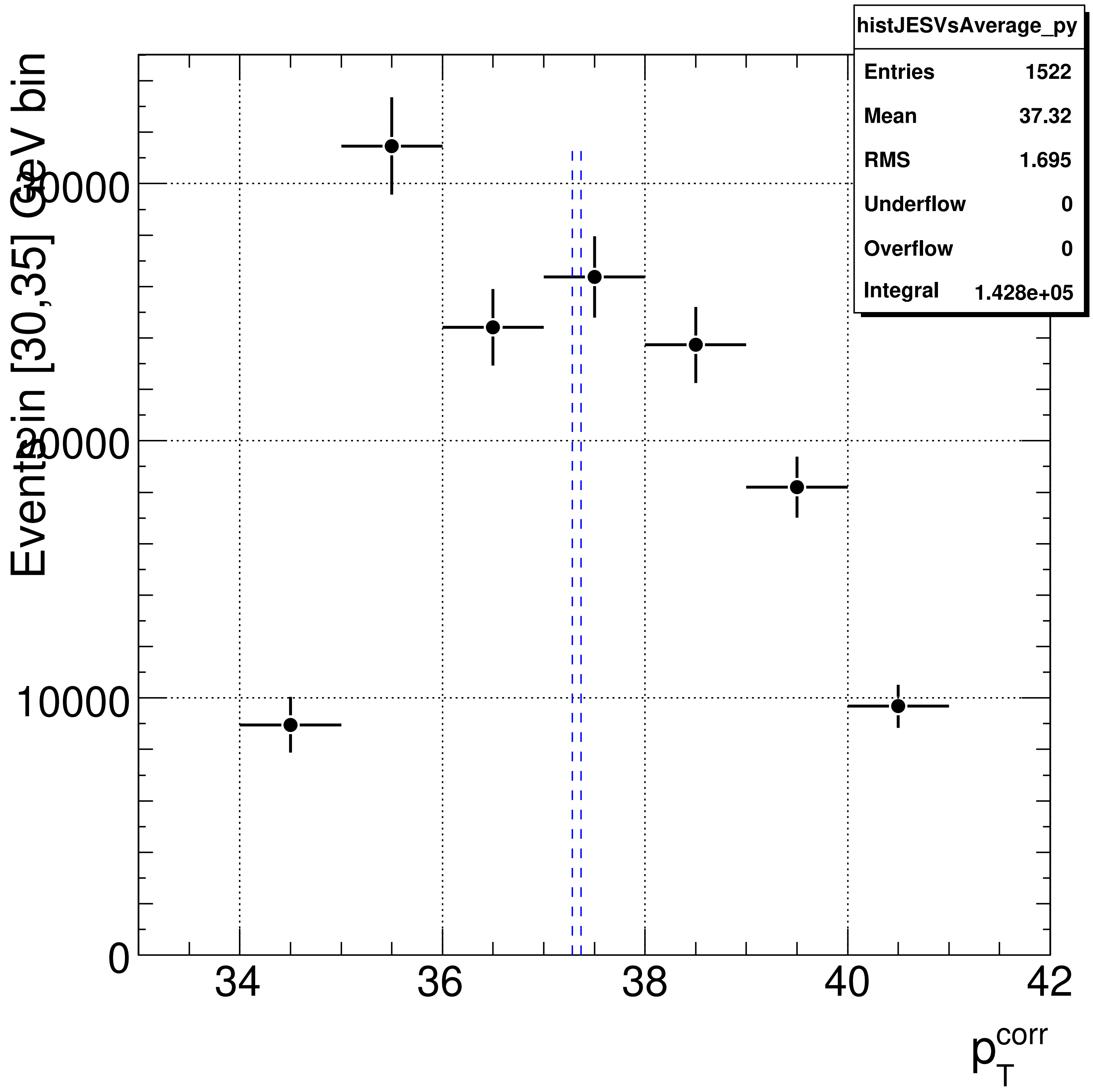


histJESVsAverage_py
Entries 1443
Mean 24.39
RMS 0.7685
Underflow 0
Overflow 0
Integral 3.115e+05
×10^3
Events in [18,20] GeV bin
100
50
0
22
23
24
25
26
27
p_T^corr

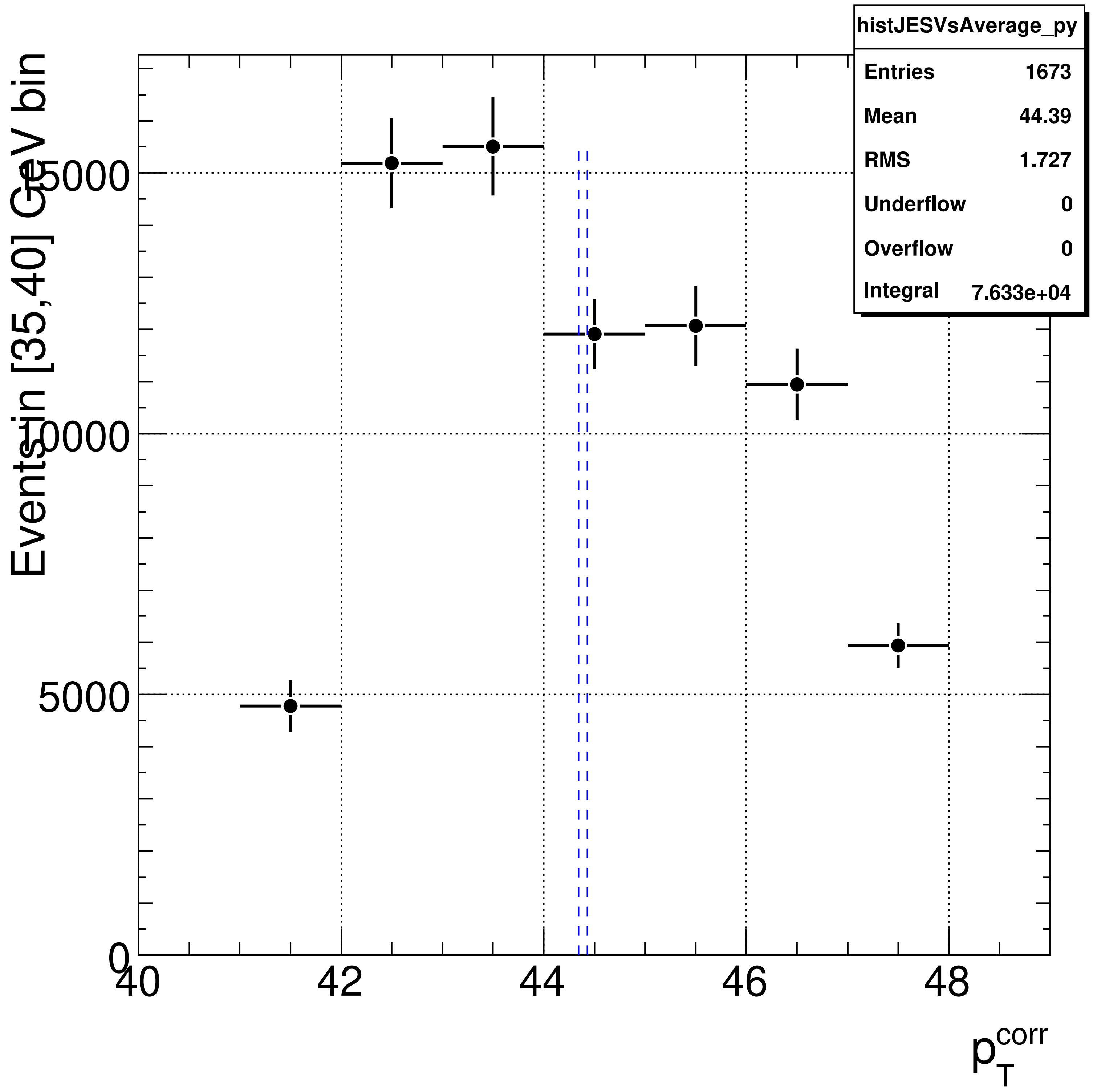


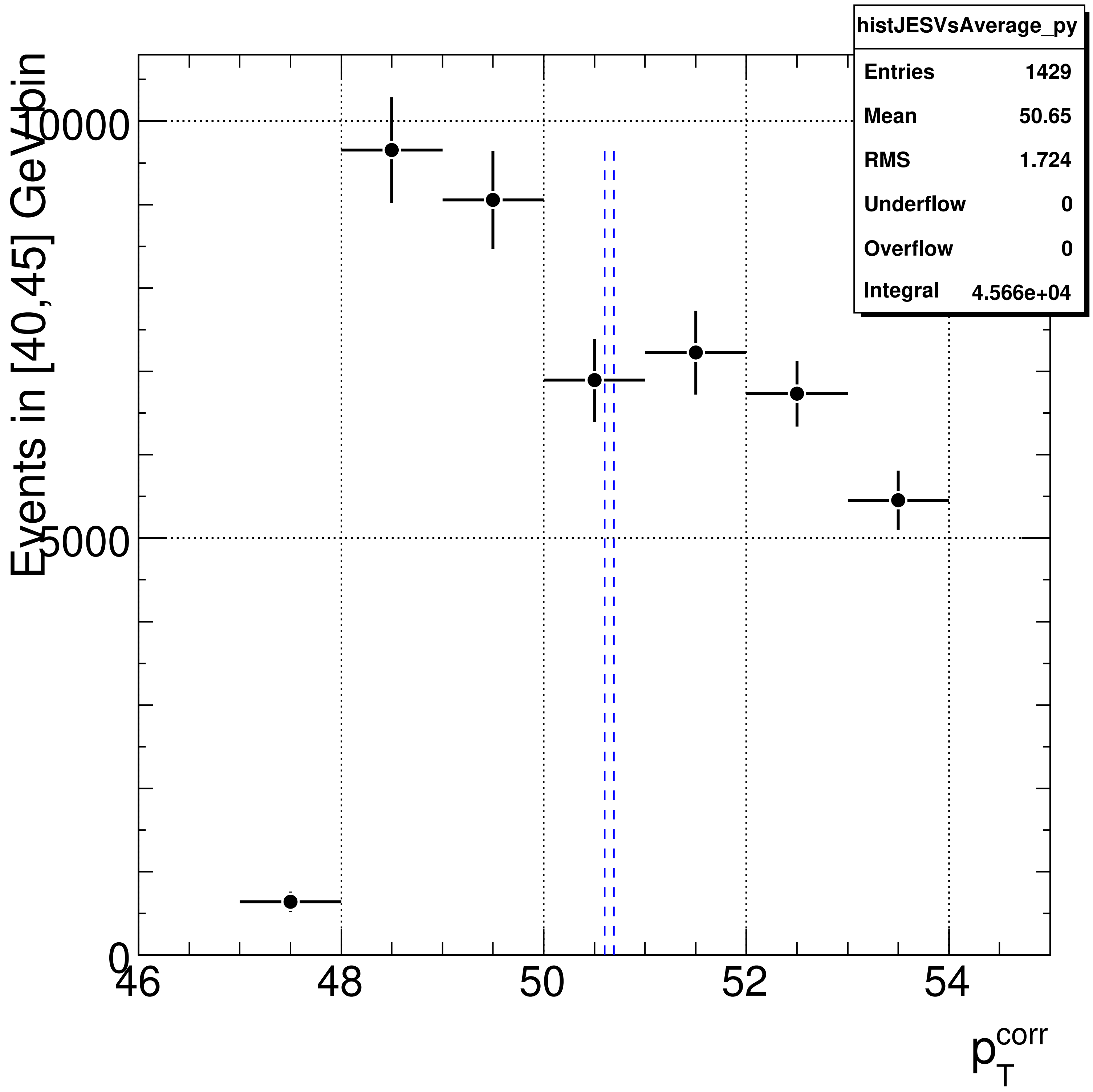
histJESVsAverage_py
Entries 2604
Mean 26.84
RMS 1.751
Underflow 0
Overflow 0
Integral 5.3e+05
$\times 10^3$
Events in [20,25] GeV bin
100
50
0
24
26
28
30
32
p_T^{corr}


histJESVsAverage_py
Entries 1739
Mean 31.48
RMS 1.705
Underflow 0
Overflow 0
Integral 2.753e+05
Events in [25,30] GeV bin
0
20000
40000
60000
28
30
32
34
36
p_T^{corr}

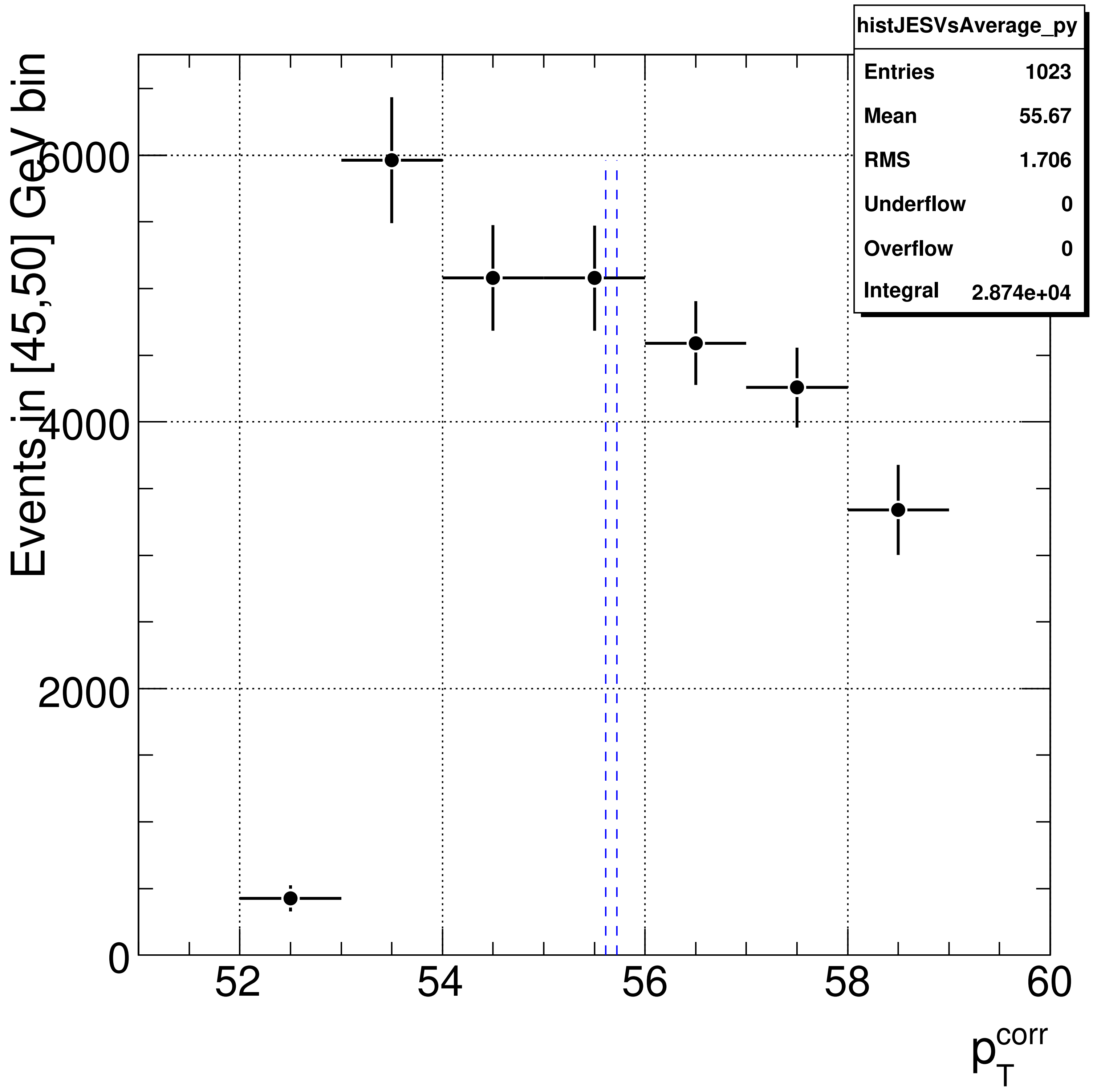


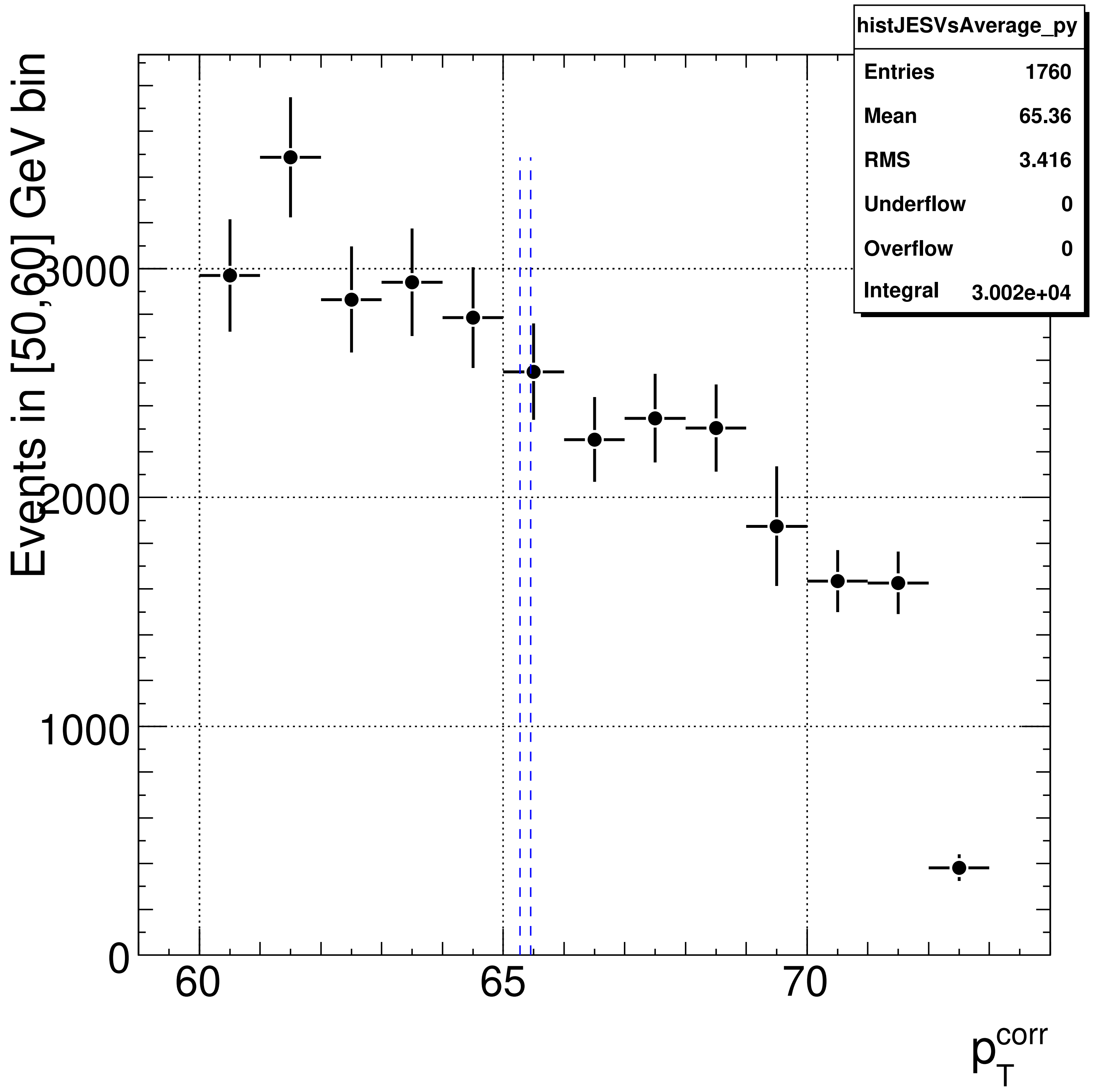
histJESVsAverage_py
Entries 1522
Mean 37.32
RMS 1.695
Underflow 0
Overflow 0
Integral 1.428e+05
Events in [30,35] GeV bin
0
10000
20000
30000
34
36
38
40
42
p_T^{corr}


histJESVsAverage_py
Entries 1673
Mean 44.39
RMS 1.727
Underflow 0
Overflow 0
Integral 7.633e+04
Events in [35,40] GeV bin
15000
10000
5000
0
40
42
44
46
48
p_T^{corr}

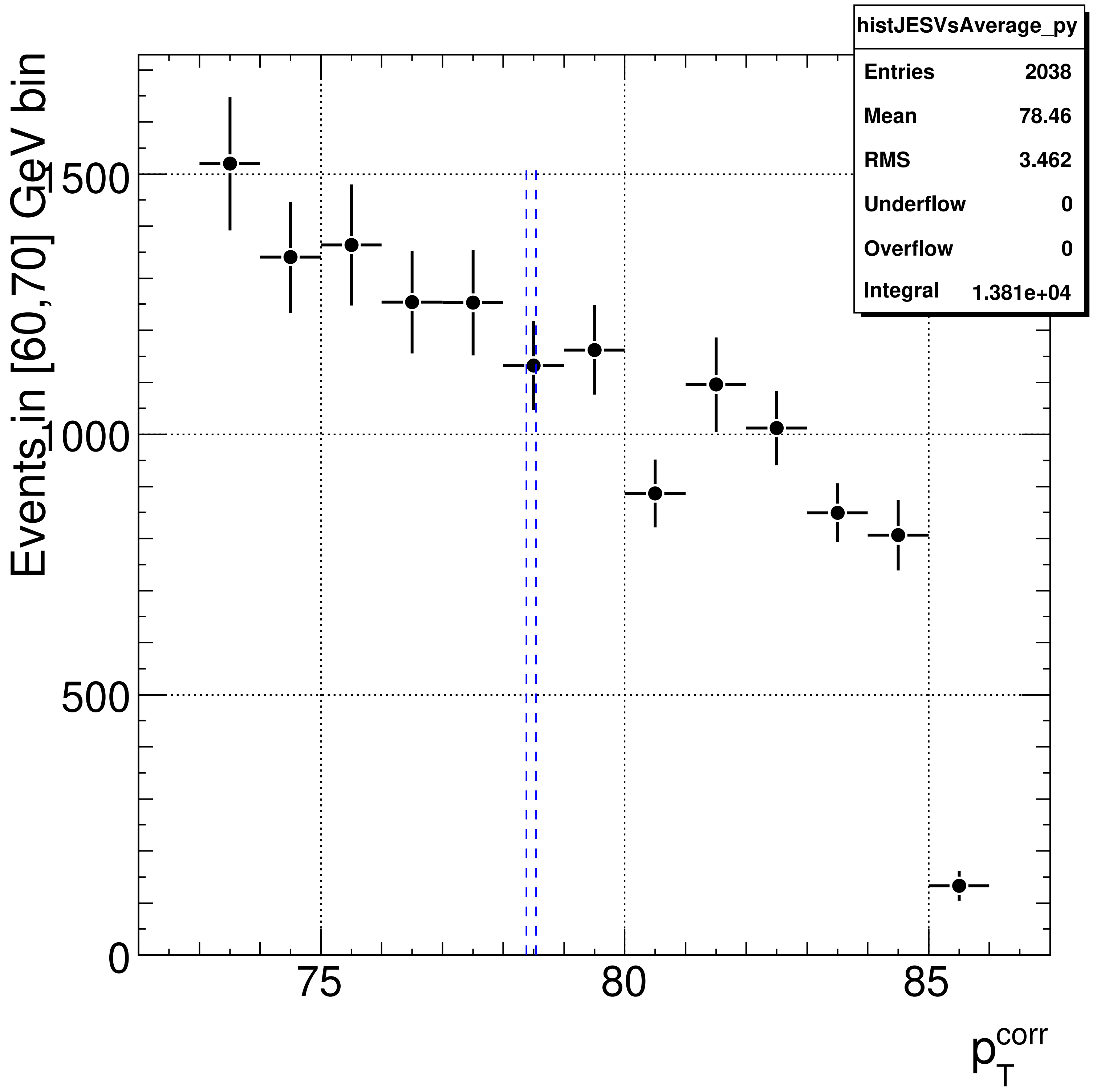


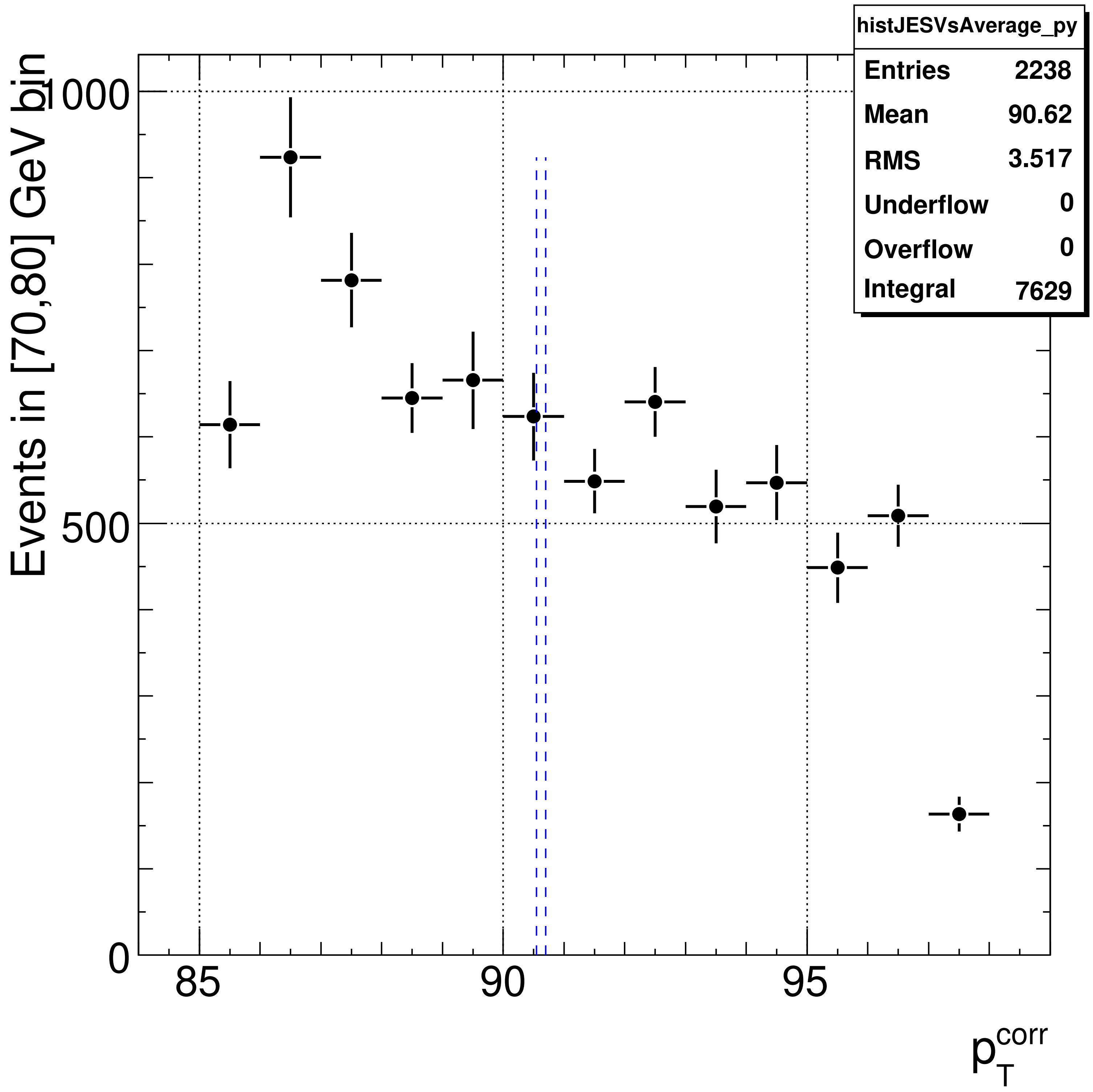
histJESVsAverage_py
Entries 1429
Mean 50.65
RMS 1.724
Underflow 0
Overflow 0
Integral 4.566e+04
Events in [40,45] GeV bin
10000
5000
0
46
48
50
52
54
p_T^{corr}

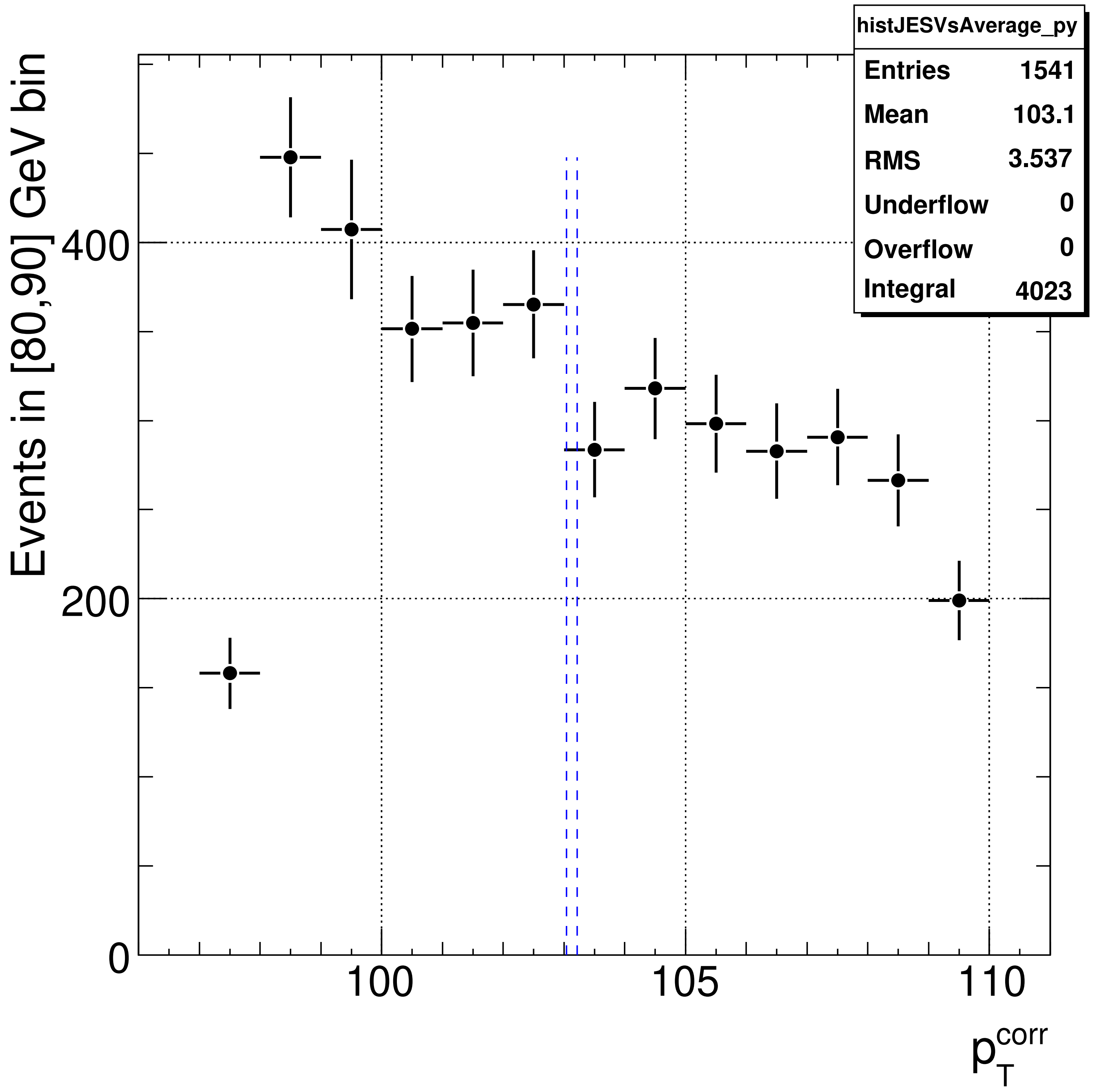

histJESVsAverage_py
Entries 1023
Mean 55.67
RMS 1.706
Underflow 0
Overflow 0
Integral 2.874e+04
Events in [45,50] GeV bin
p_T^{corr}
0
2000
4000
6000
52
54
56
58
60



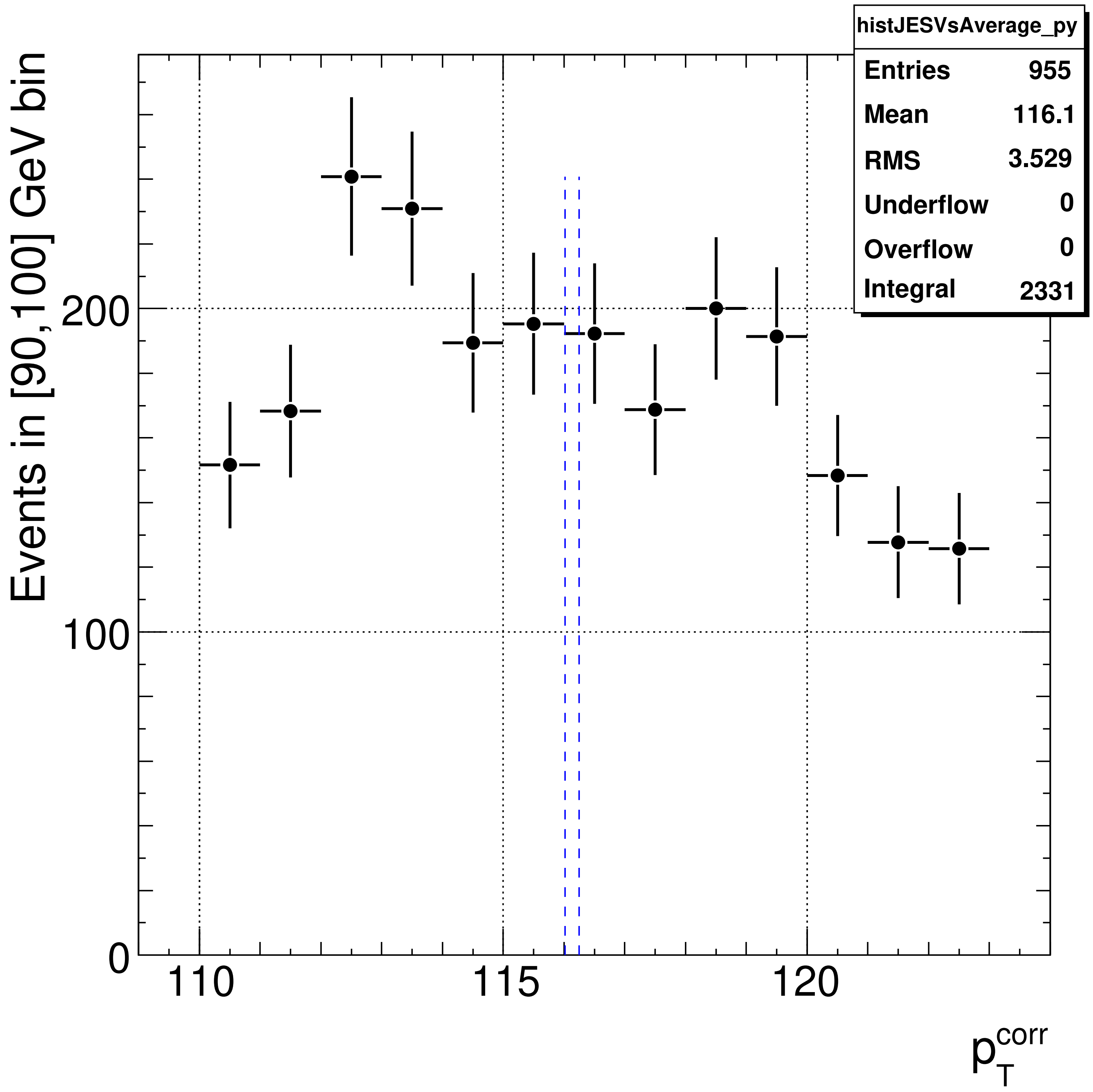
histJESVsAverage_py
Entries 1760
Mean 65.36
RMS 3.416
Underflow 0
Overflow 0
Integral 3.002e+04
Events in [50,60] GeV bin
0
1000
2000
3000
60
65
70
p_T^{corr}

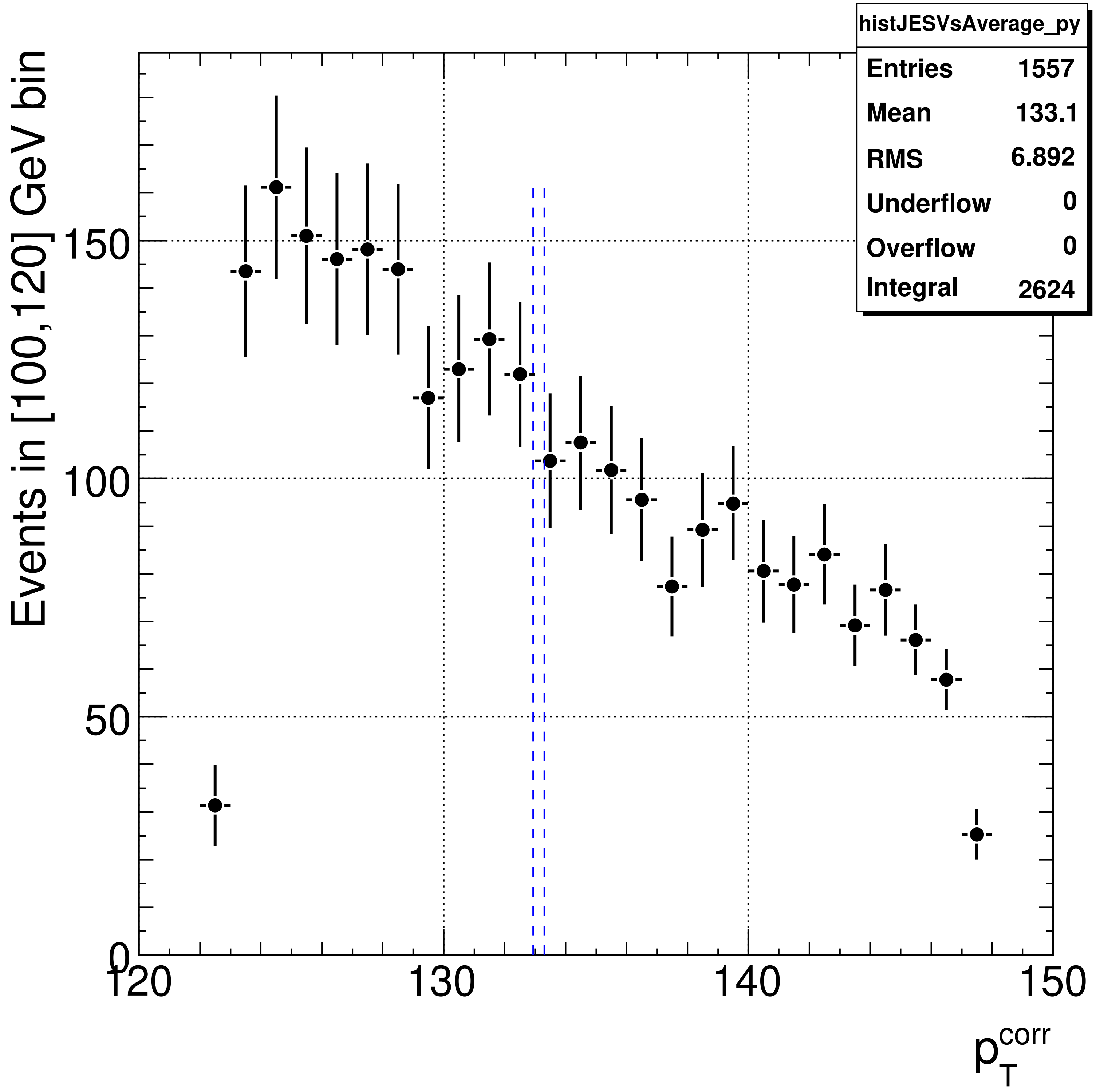

histJESVsAverage_py
Entries 2038
Mean 78.46
RMS 3.462
Underflow 0
Overflow 0
Integral 1.381e+04
Events in [60,70] GeV bin
0
500
1000
1500
75
80
85
p_T^{corr}

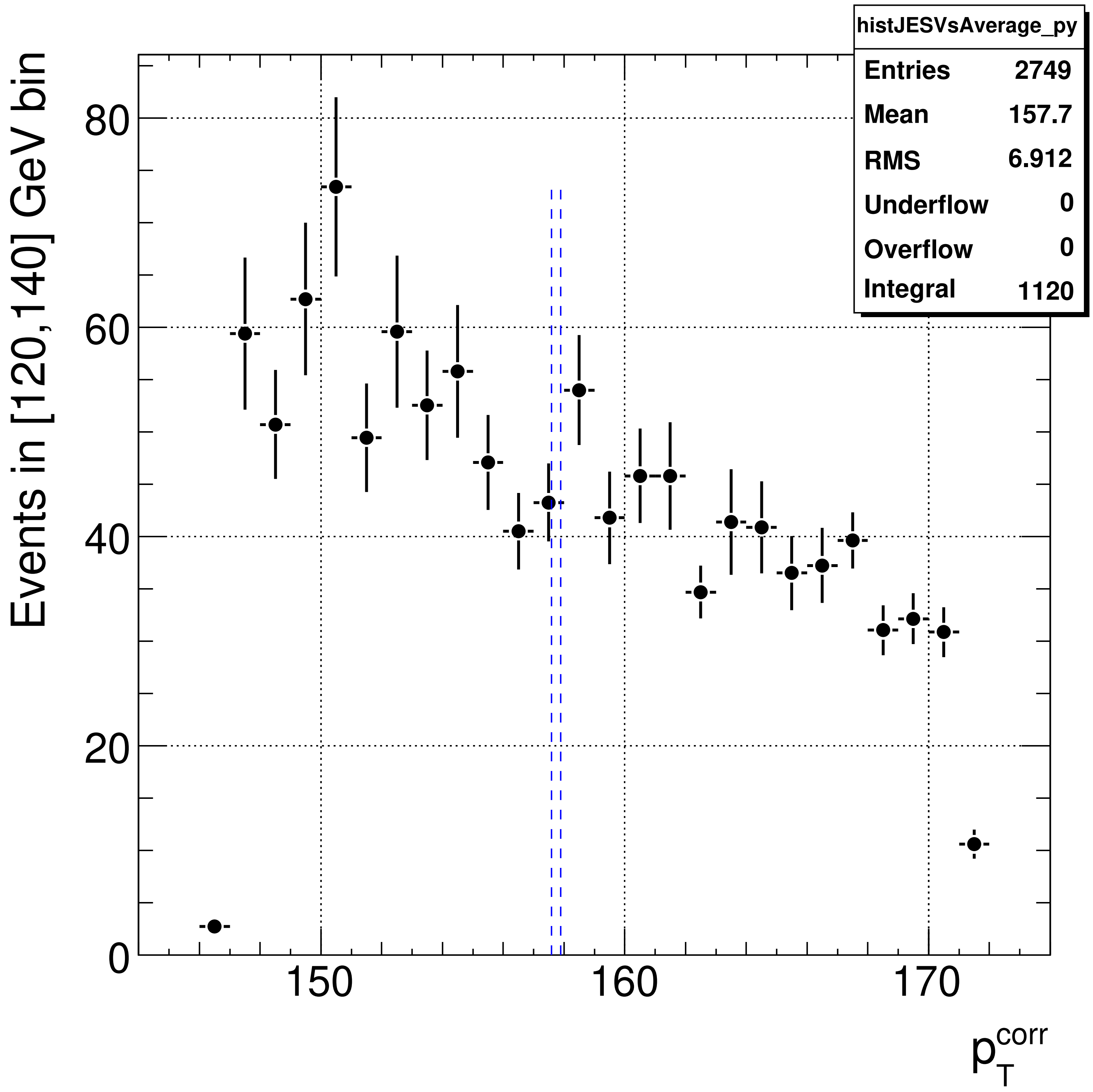

histJESVsAverage_py
Entries 2238
Mean 90.62
RMS 3.517
Underflow 0
Overflow 0
Integral 7629
Events in [70,80] GeV bin
1000
500
0
85
90
95
p_T^{corr}

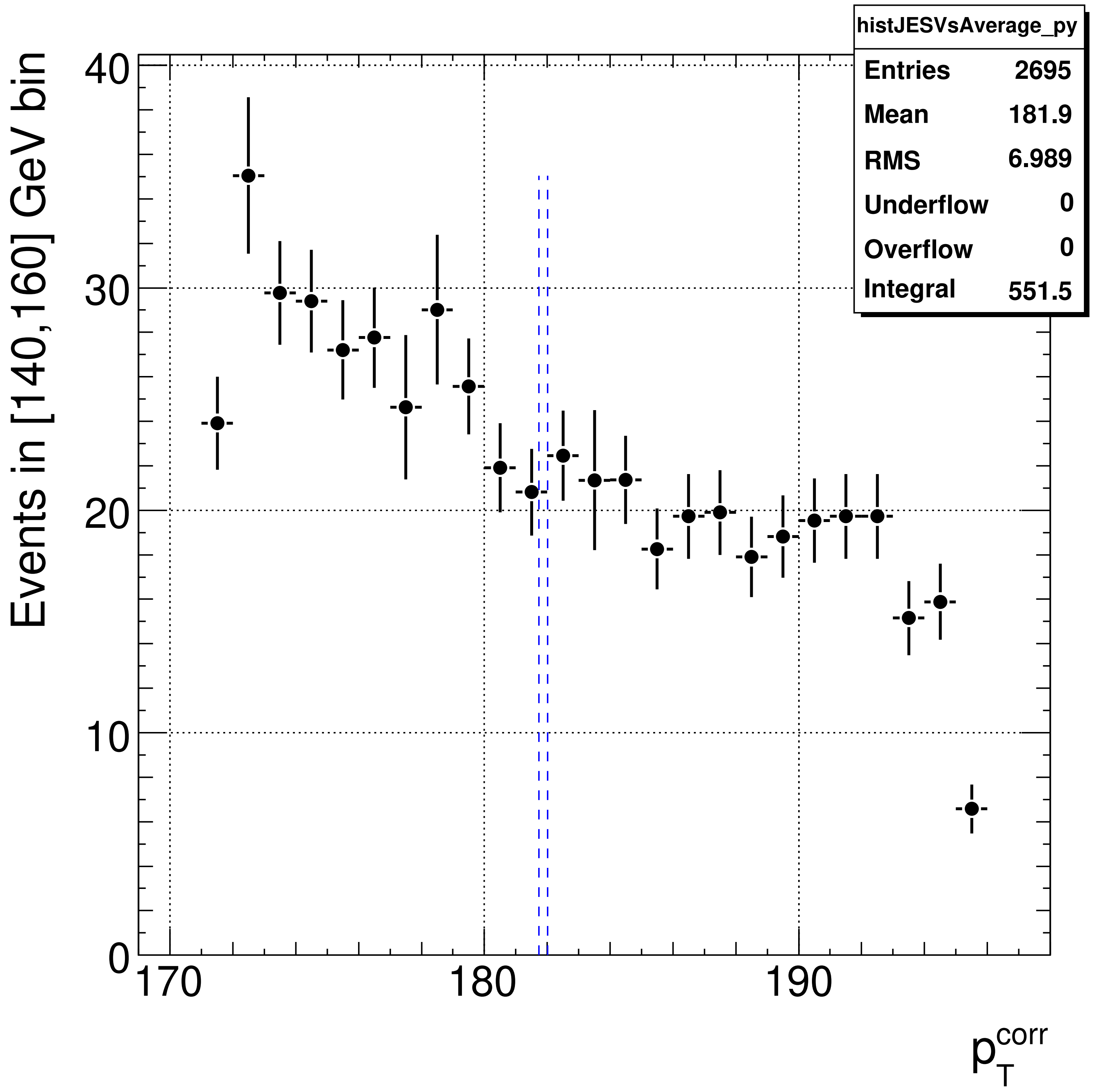


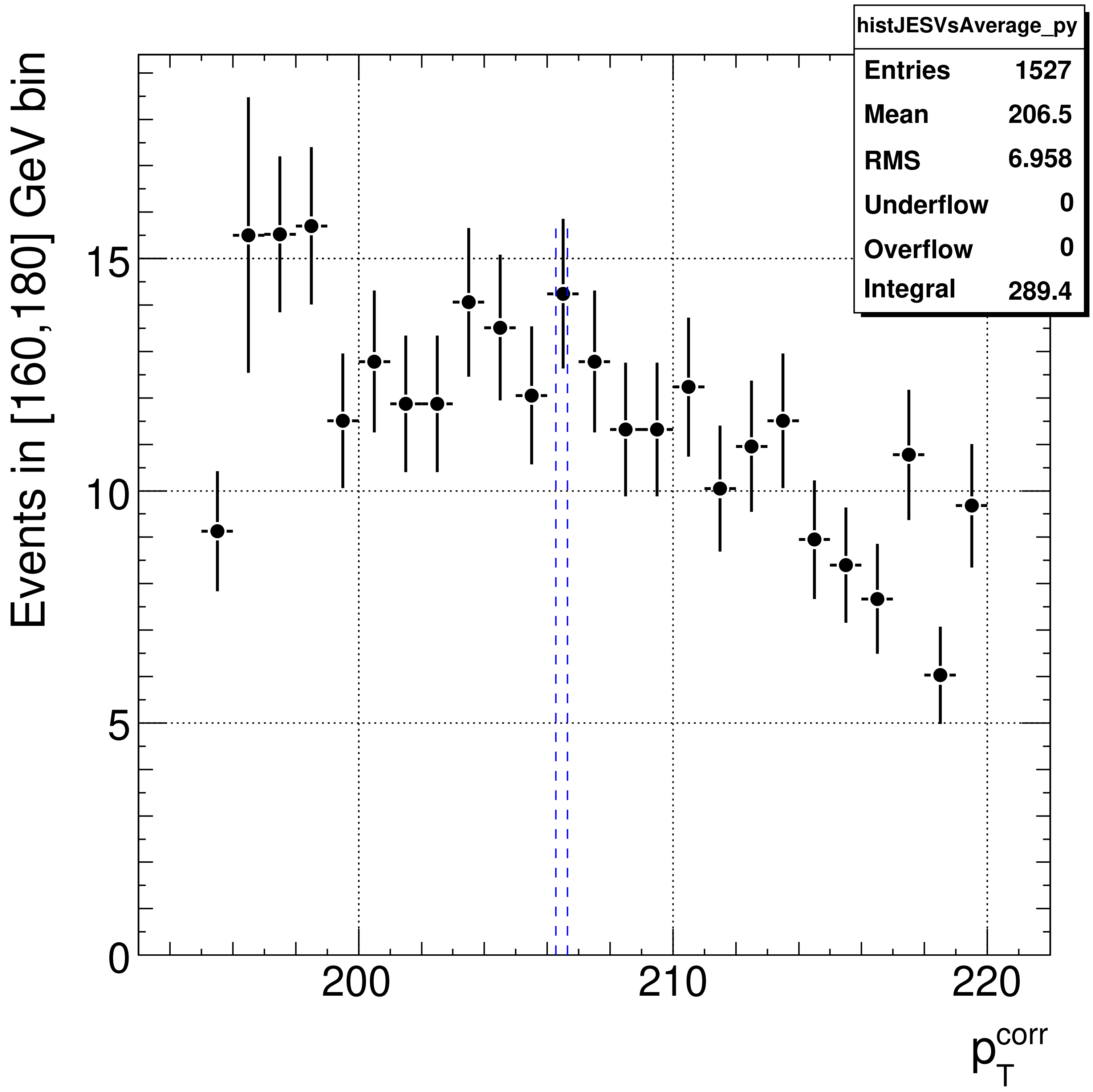
histJESVsAverage_py
Entries 1541
Mean 103.1
RMS 3.537
Underflow 0
Overflow 0
Integral 4023
Events in [80,90] GeV bin
0
200
400
100
105
110
p_T^{corr}


histJESVsAverage_py
Entries 955
Mean 116.1
RMS 3.529
Underflow 0
Overflow 0
Integral 2331
Events in [90,100] GeV bin
0
100
200
110
115
120
p_T^{corr}

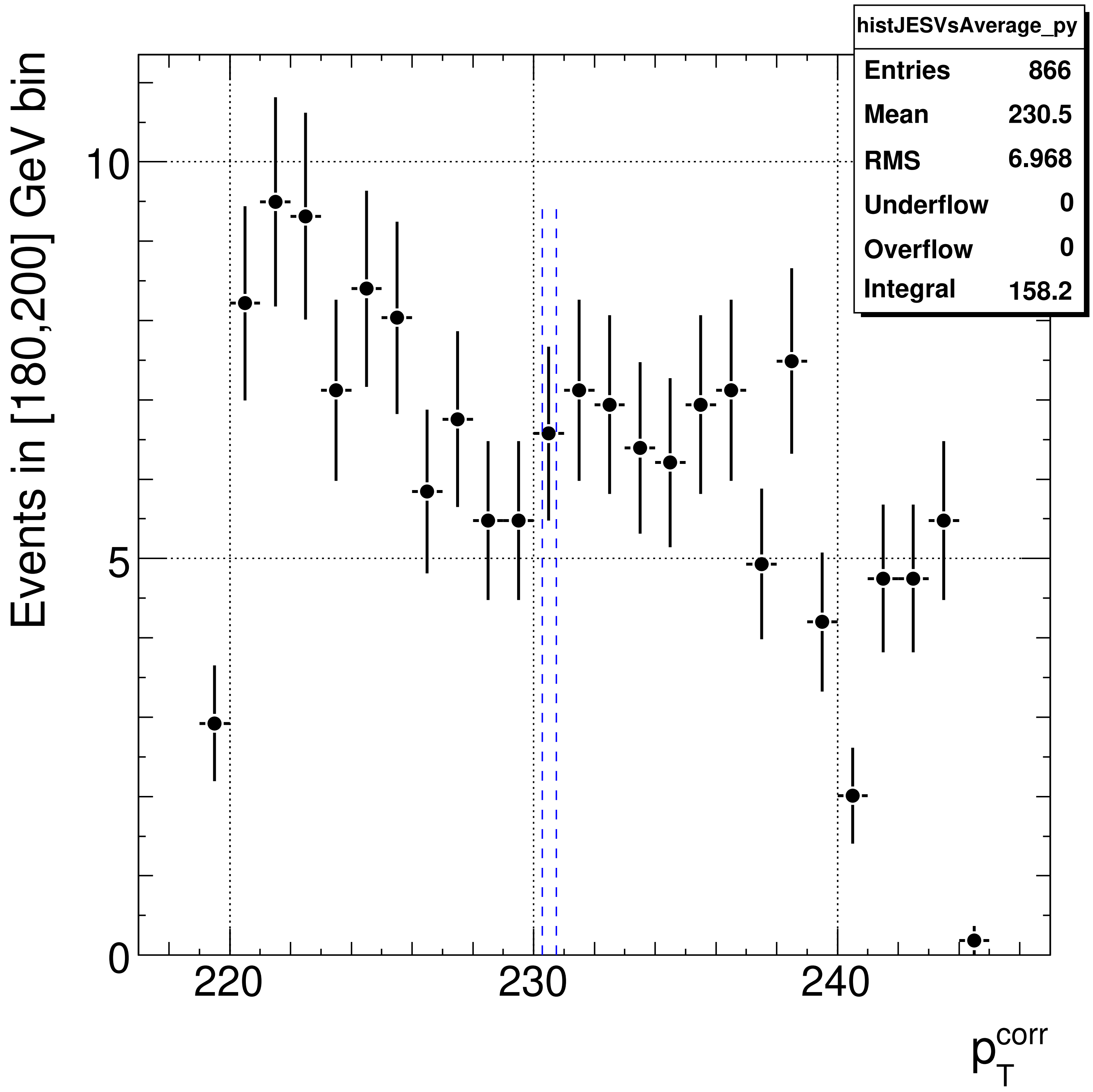

histJESVsAverage_py
Entries 1557
Mean 133.1
RMS 6.892
Underflow 0
Overflow 0
Integral 2624
Events in [100,120] GeV bin
0
50
100
150
120
130
140
150
p_T^{corr}

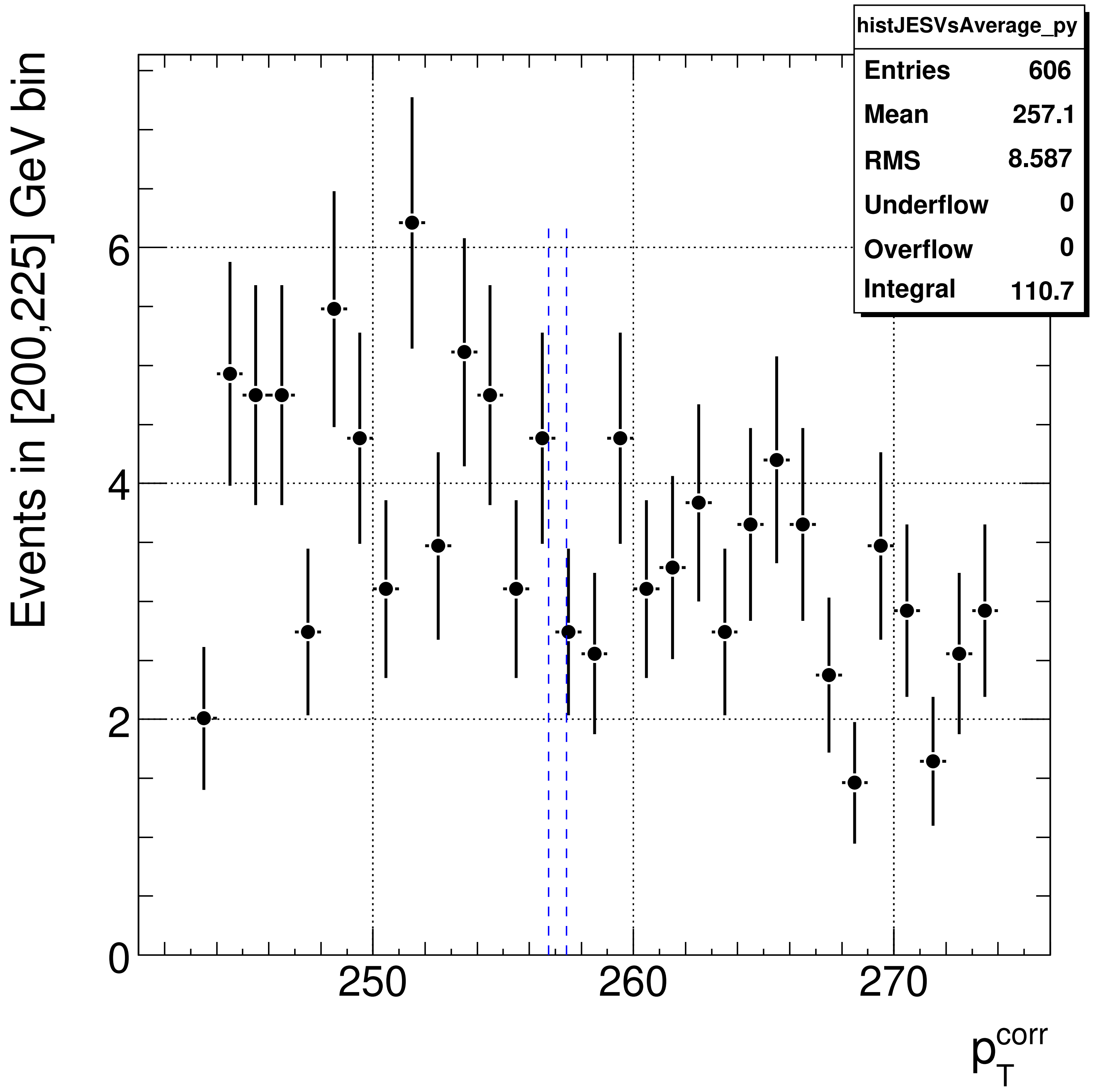

histJESVsAverage_py
Entries 2749
Mean 157.7
RMS 6.912
Underflow 0
Overflow 0
Integral 1120
Events in [120,140] GeV bin
p_T^{corr}
0
20
40
60
80
150
160
170

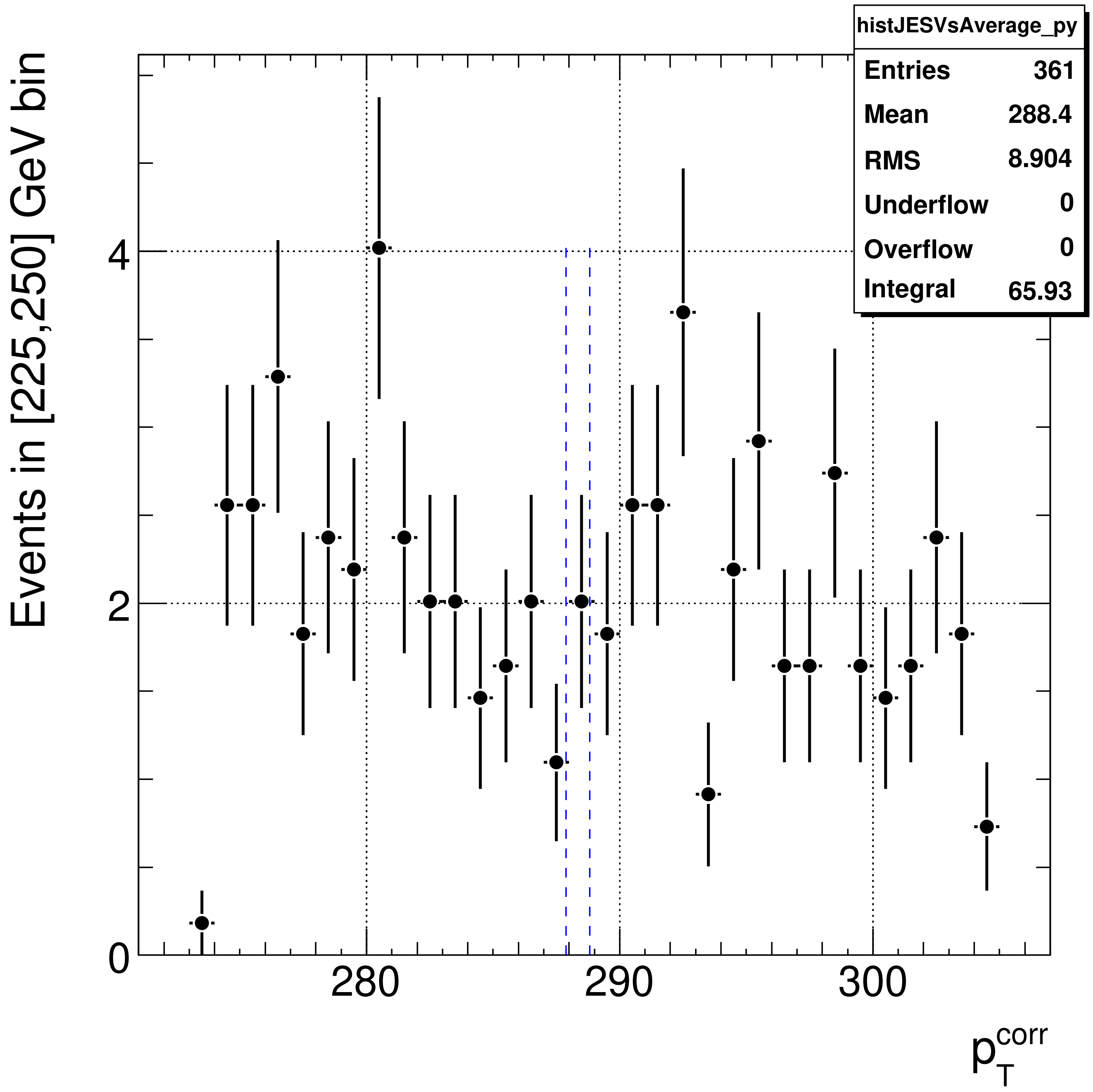

histJESVsAverage_py
Entries 2695
Mean 181.9
RMS 6.989
Underflow 0
Overflow 0
Integral 551.5
Events in [140,160] GeV bin
0
10
20
30
40
170
180
190
p_T^{corr}



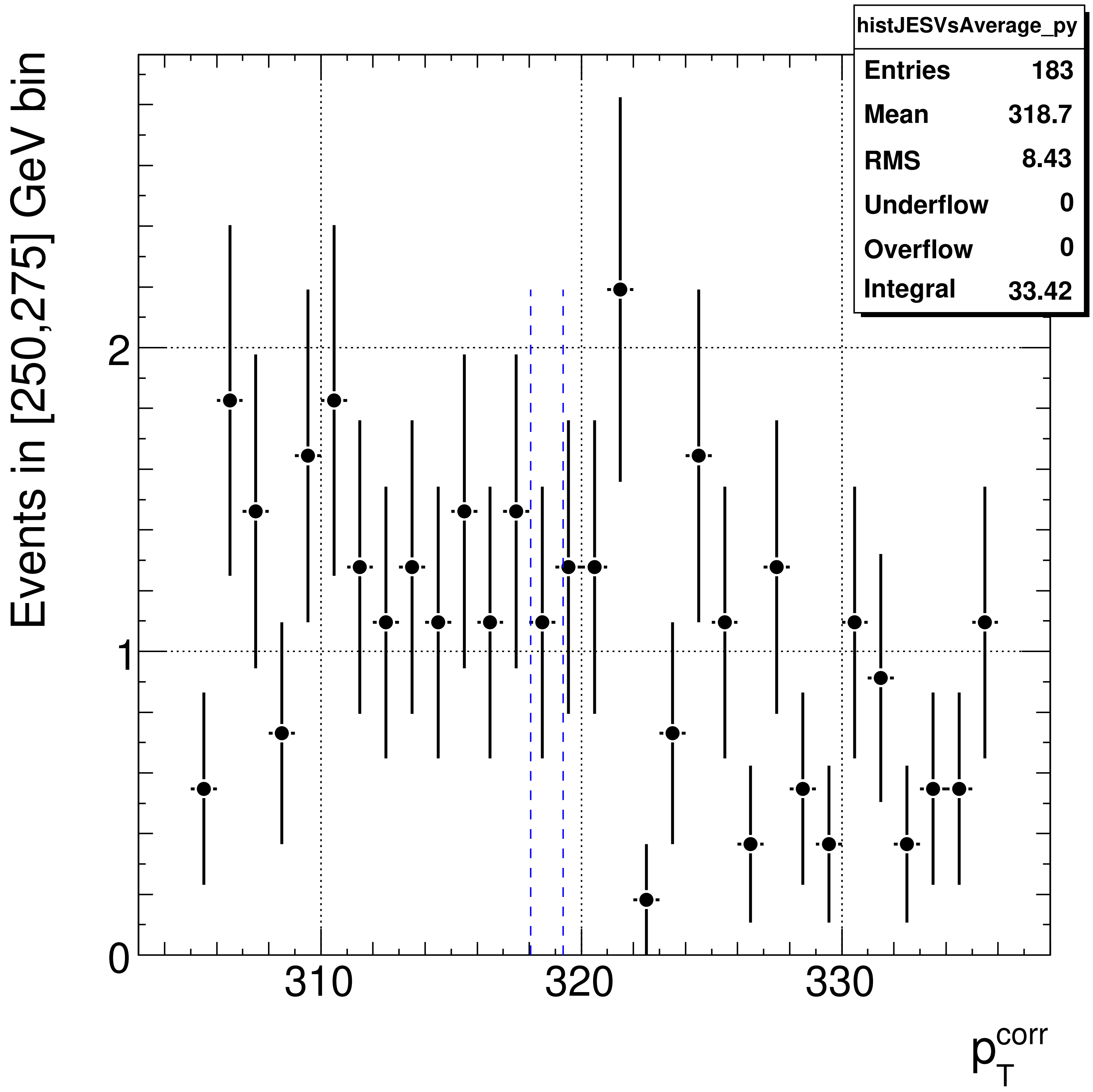
histJESVsAverage_py
Entries 1527
Mean 206.5
RMS 6.958
Underflow 0
Overflow 0
Integral 289.4
Events in [160,180] GeV bin
0
5
10
15
200
210
220
p_T^{corr}


histJESVsAverage_py
Entries 866
Mean 230.5
RMS 6.968
Underflow 0
Overflow 0
Integral 158.2
Events in [180,200] GeV bin
10
5
0
220
230
240
p_T^{corr}

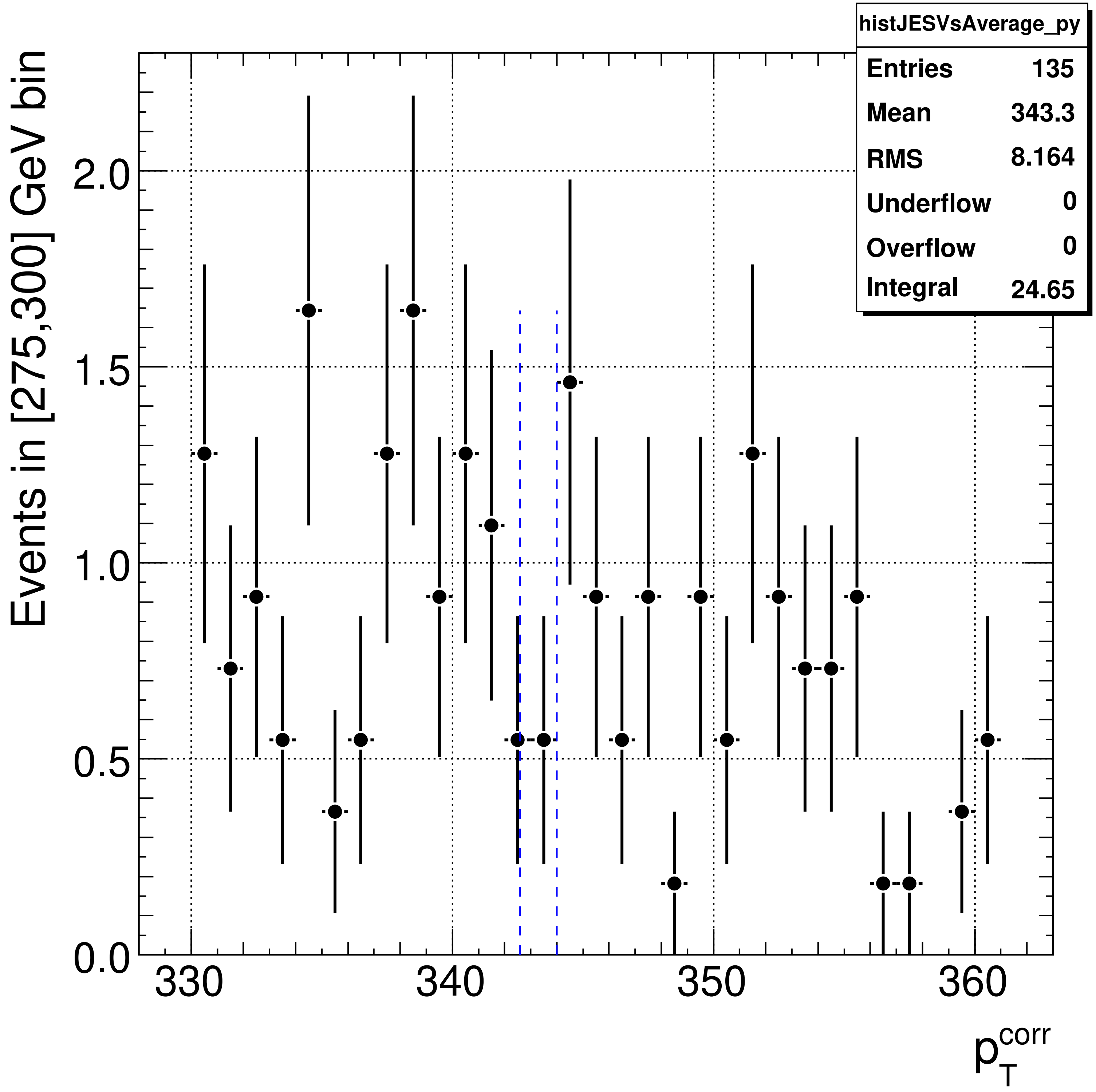

histJESVsAverage_py
Entries 606
Mean 257.1
RMS 8.587
Underflow 0
Overflow 0
Integral 110.7
Events in [200,225] GeV bin
0
2
4
6
250
260
270
p_T^{corr}



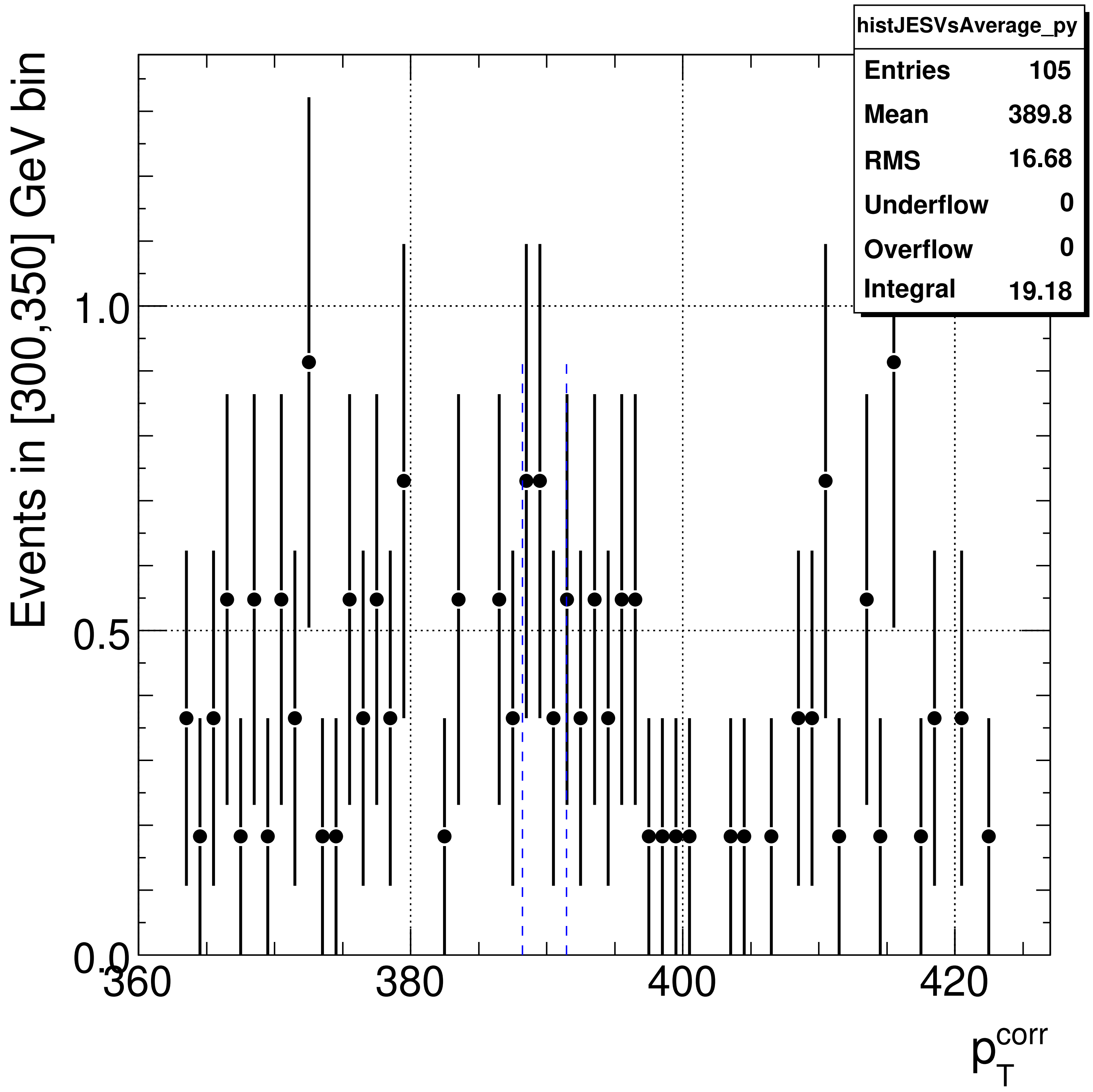
histJESVsAverage_py
Entries 361
Mean 288.4
RMS 8.904
Underflow 0
Overflow 0
Integral 65.93
Events in [225,250] GeV bin
0
2
4
280
290
300
p_T^{corr}



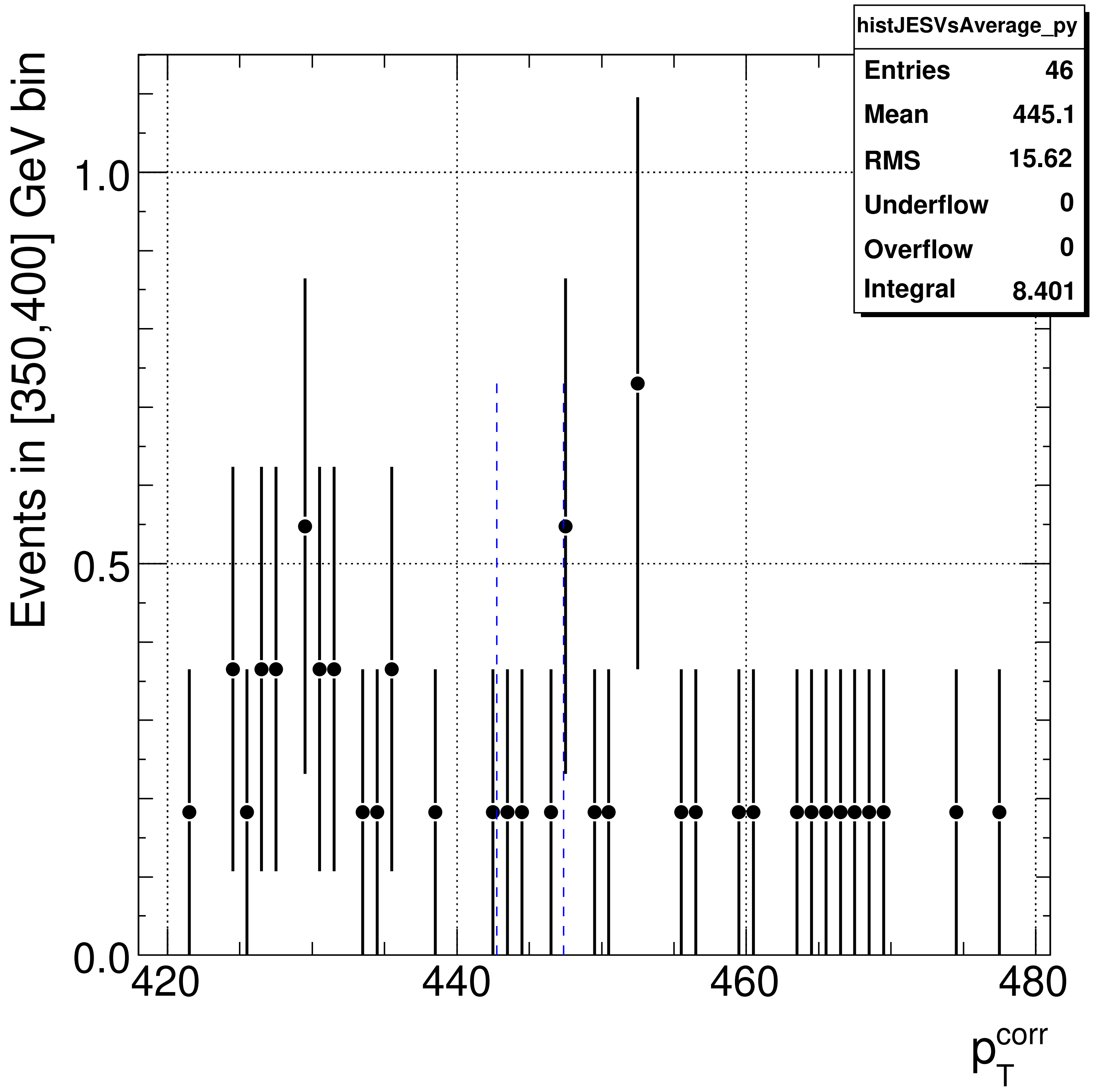
histJESVsAverage_py
Entries 183
Mean 318.7
RMS 8.43
Underflow 0
Overflow 0
Integral 33.42
Events in [250,275] GeV bin
0
1
2
310
320
330
p_T^{corr}

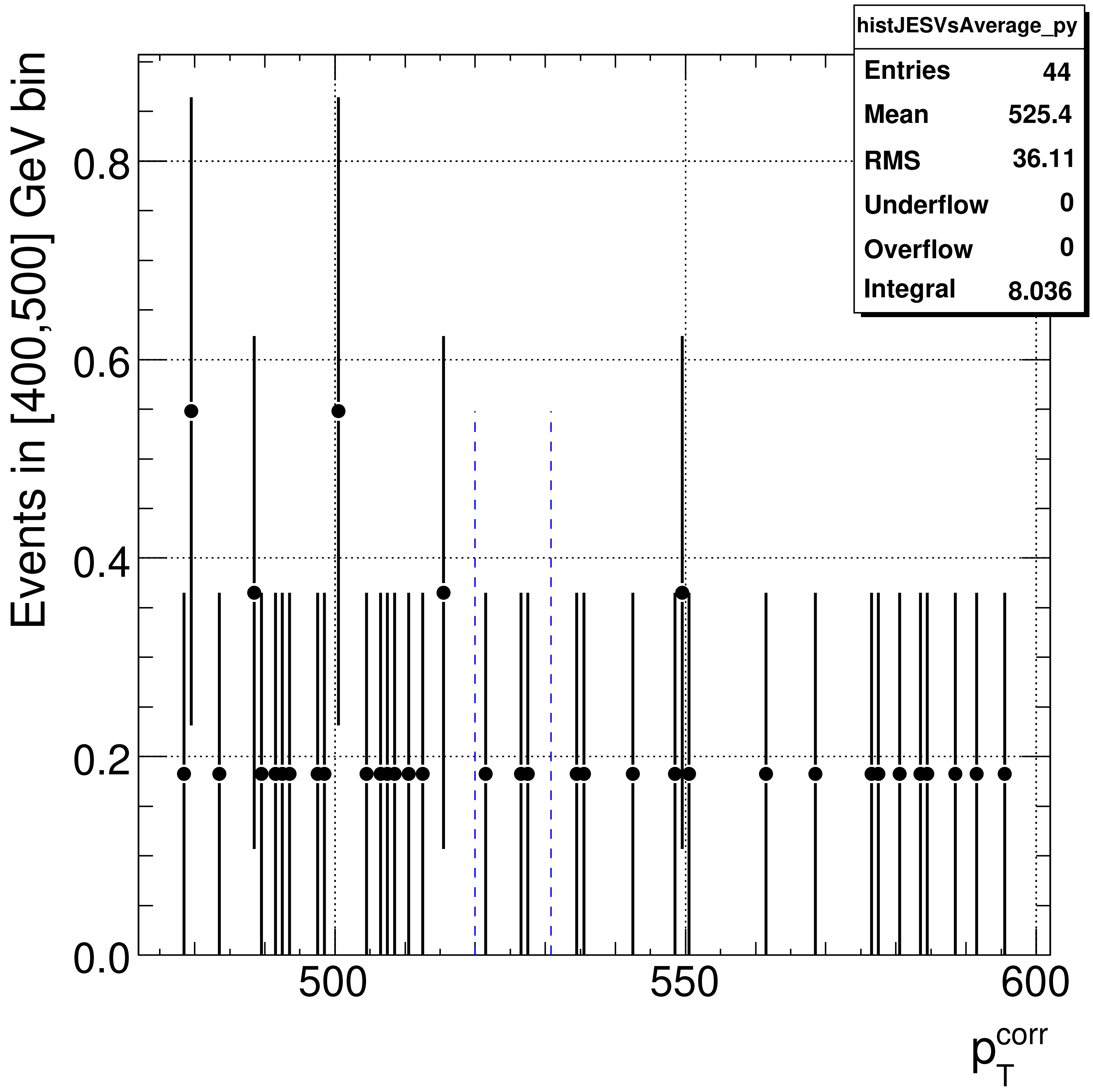


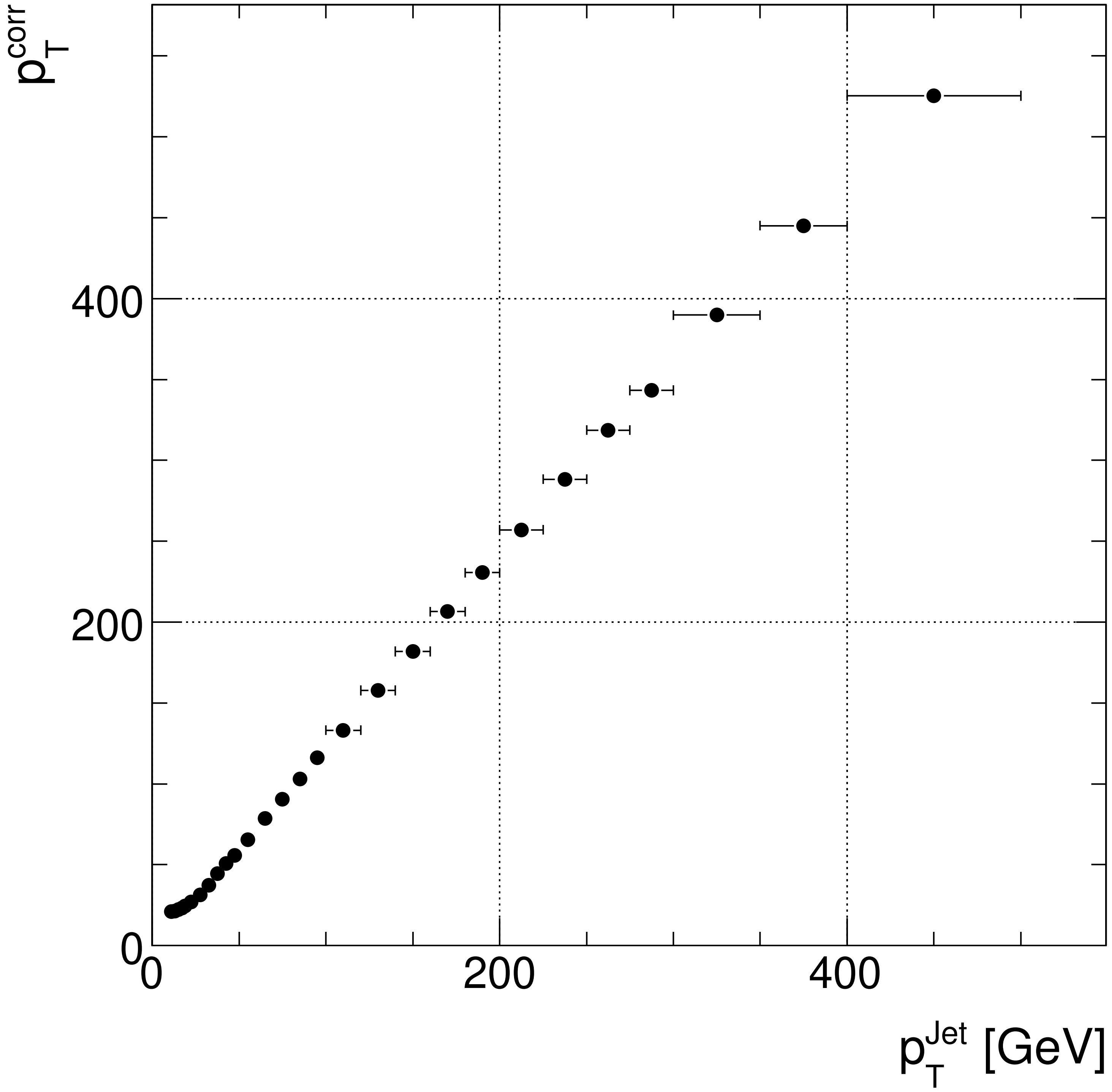
histJESVsAverage_py
Entries 135
Mean 343.3
RMS 8.164
Underflow 0
Overflow 0
Integral 24.65
Events in [275,300] GeV bin
0.0
0.5
1.0
1.5
2.0
330
340
350
360
p_T^{corr}



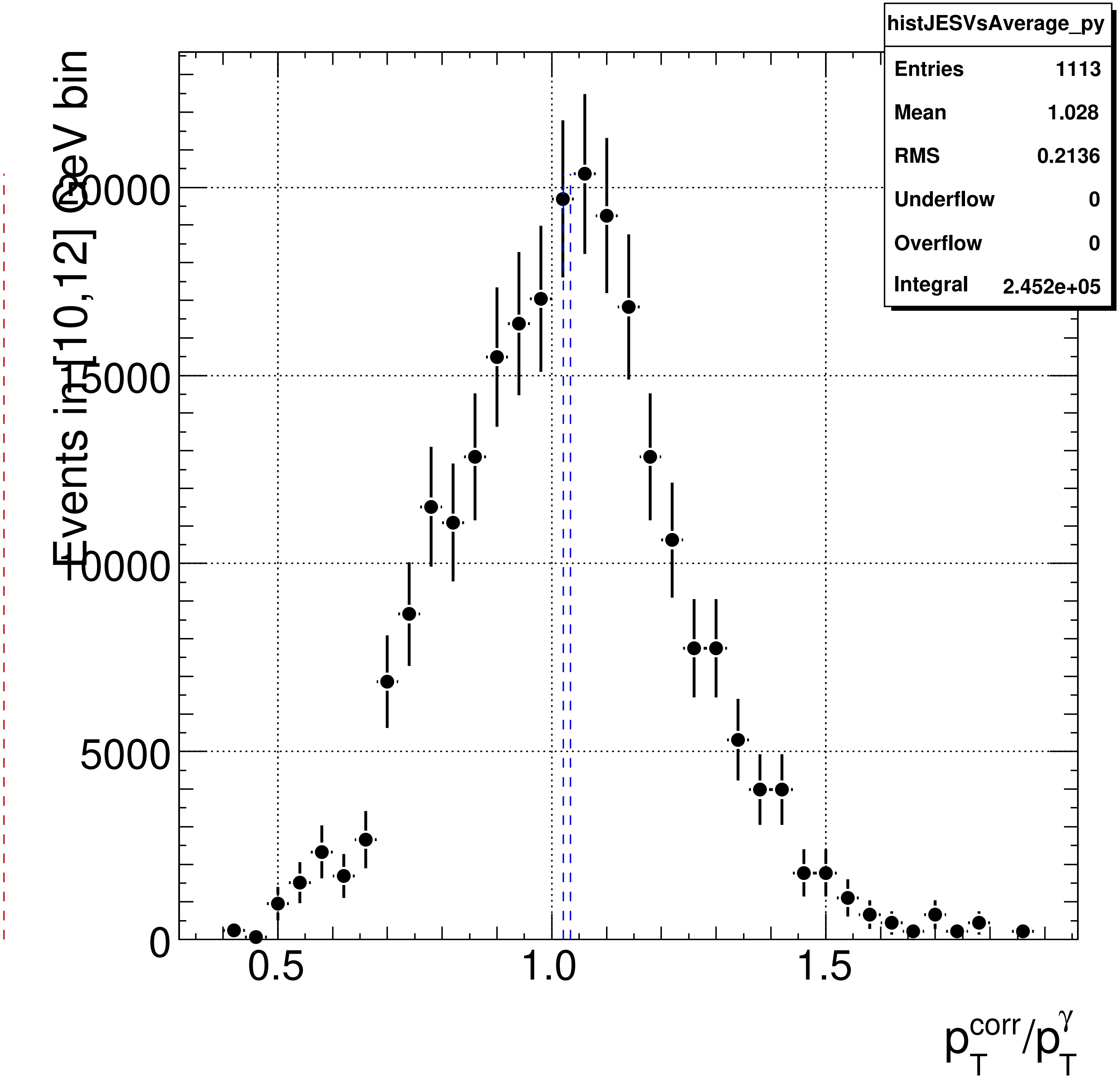
histJESVsAverage_py
Entries 105
Mean 389.8
RMS 16.68
Underflow 0
Overflow 0
Integral 19.18
Events in [300,350] GeV bin
0.0
0.5
1.0
360
380
400
420
p_T^{corr}


histJESVsAverage_py
Entries 46
Mean 445.1
RMS 15.62
Underflow 0
Overflow 0
Integral 8.401
Events in [350,400] GeV bin
1.0
0.5
0.0
420
440
460
480
p_T^{corr}

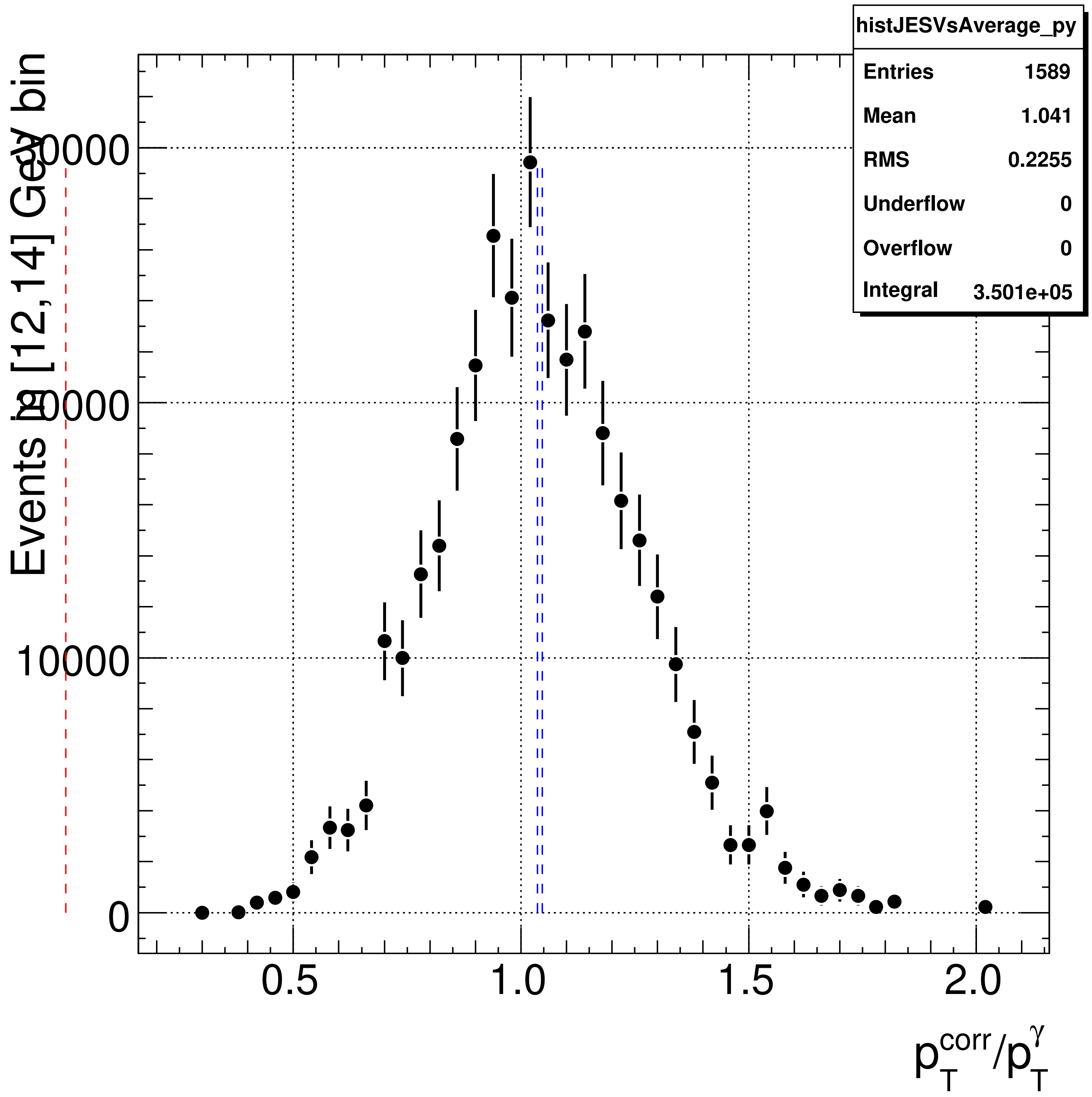

histJESVsAverage_py
Entries 44
Mean 525.4
RMS 36.11
Underflow 0
Overflow 0
Integral 8.036
Events in [400,500] GeV bin
0.0
0.2
0.4
0.6
0.8
500
550
600
p_T^{corr}



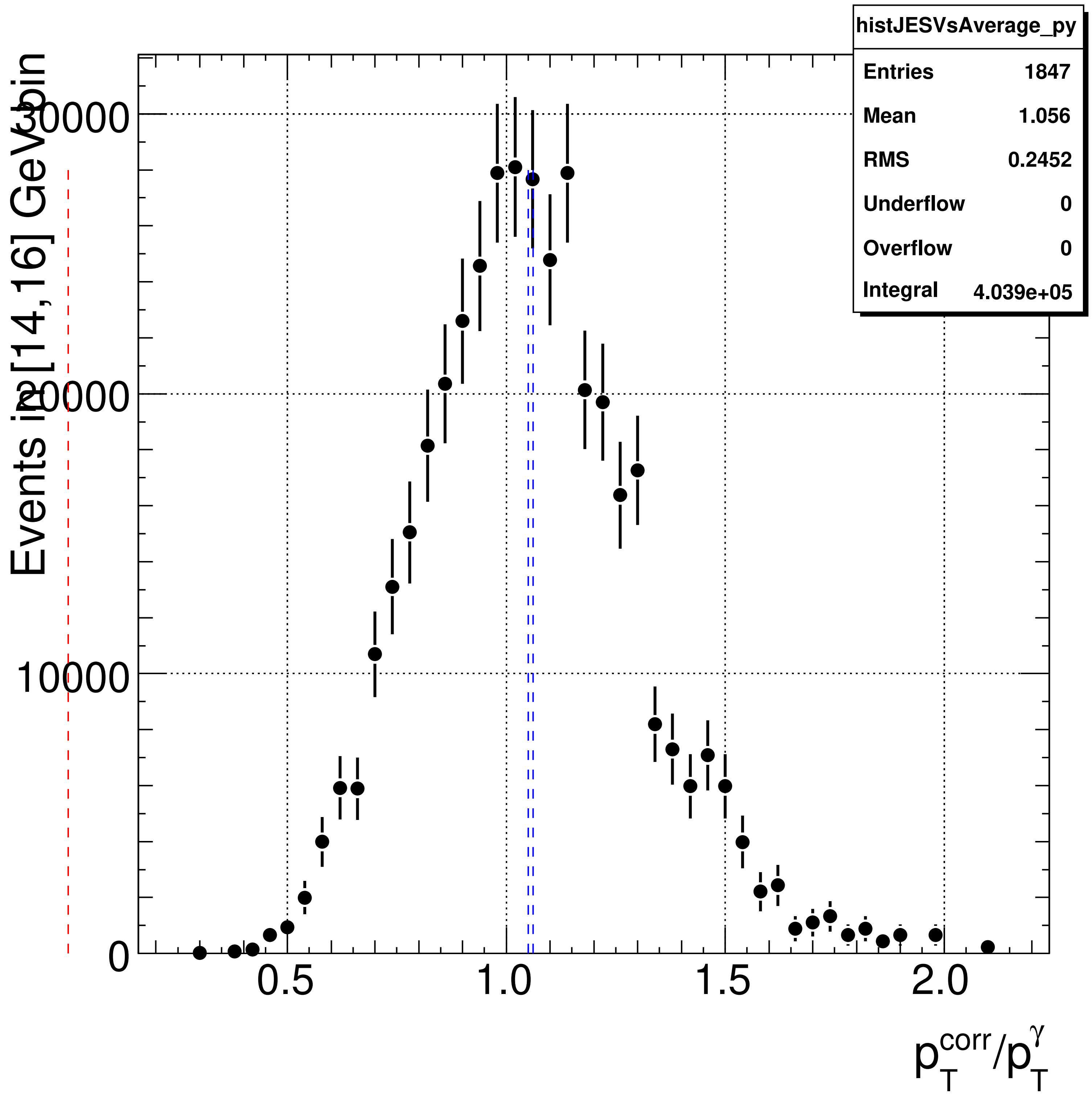
p_T^{corr}
400
200
0
0
200
400
p_T^{Jet} [GeV]



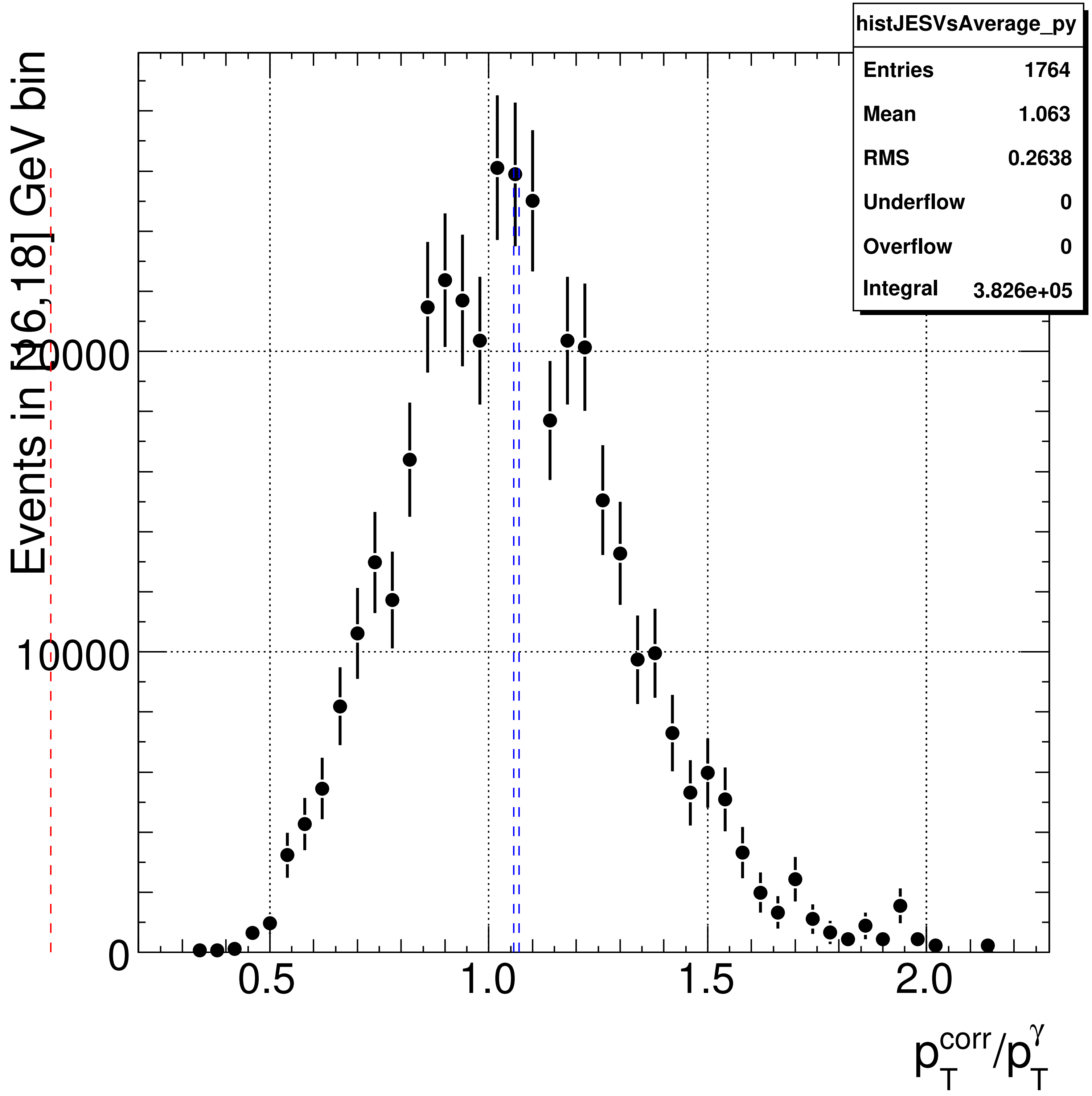
histJESVsAverage_py
Entries 1113
Mean 1.028
RMS 0.2136
Underflow 0
Overflow 0
Integral 2.452e+05
Events in [10,12] GeV bin
0
5000
10000
15000
20000
0.5
1.0
1.5
p_T^{corr}/p_T^{γ}



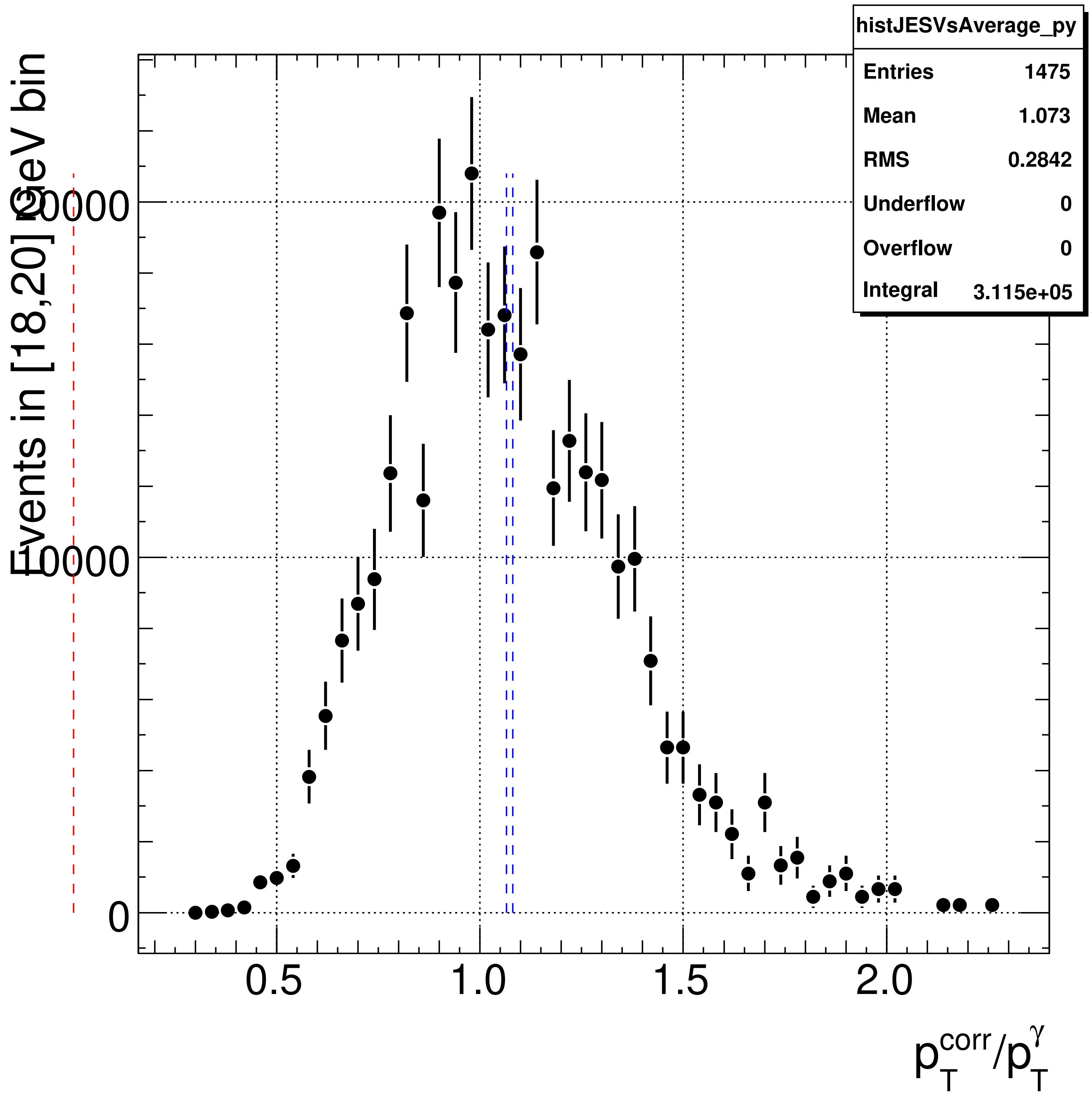
histJESVsAverage_py
Entries 1589
Mean 1.041
RMS 0.2255
Underflow 0
Overflow 0
Integral 3.501e+05
Events in [12,14] GeV bin
30000
20000
10000
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

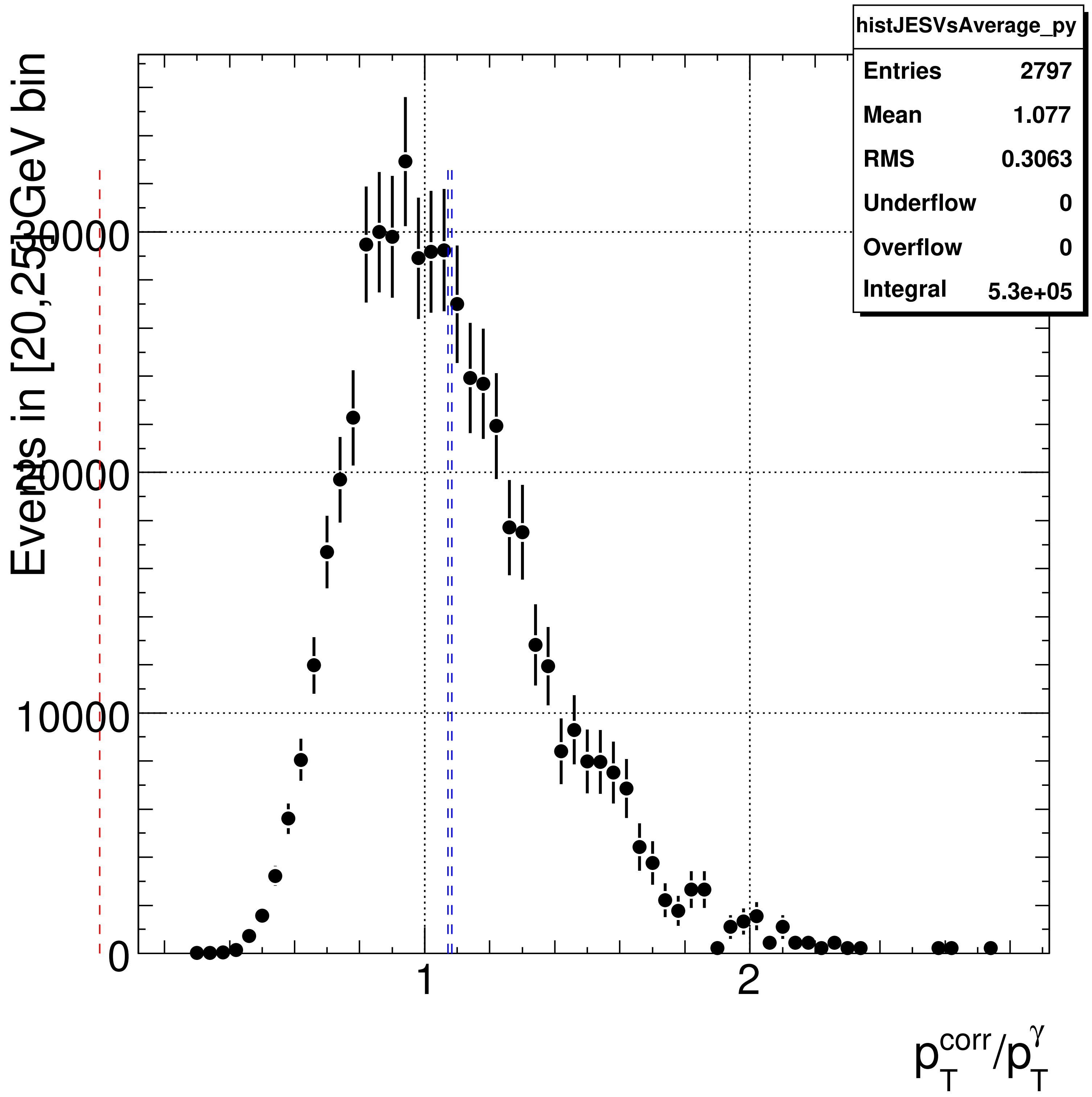


histJESVsAverage_py
Entries 1847
Mean 1.056
RMS 0.2452
Underflow 0
Overflow 0
Integral 4.039e+05
Events in [14,16] GeV bin
30000
20000
10000
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

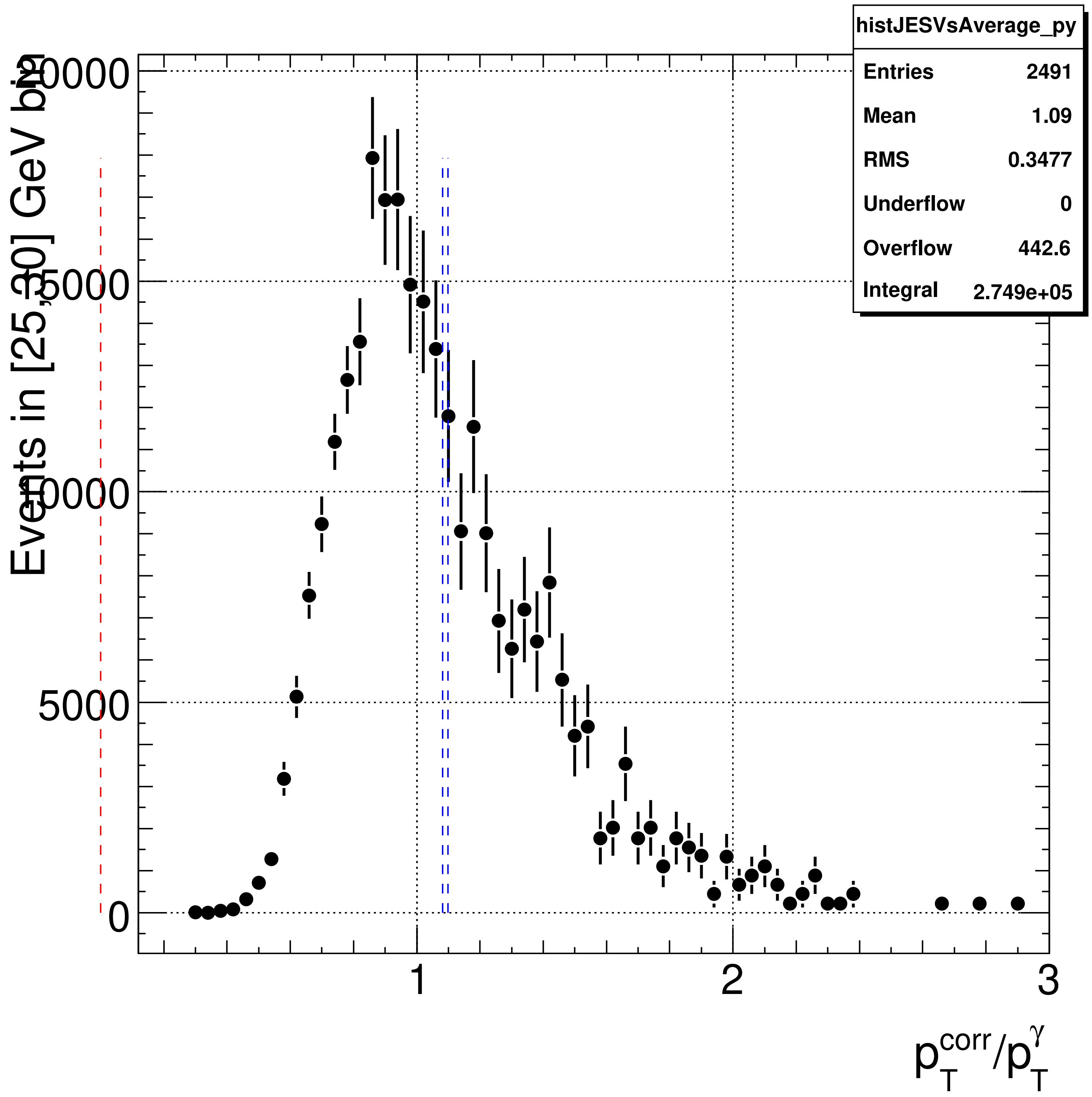


histJESVsAverage_py
Entries 1764
Mean 1.063
RMS 0.2638
Underflow 0
Overflow 0
Integral 3.826e+05
Events in [16,18] GeV bin
20000
10000
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

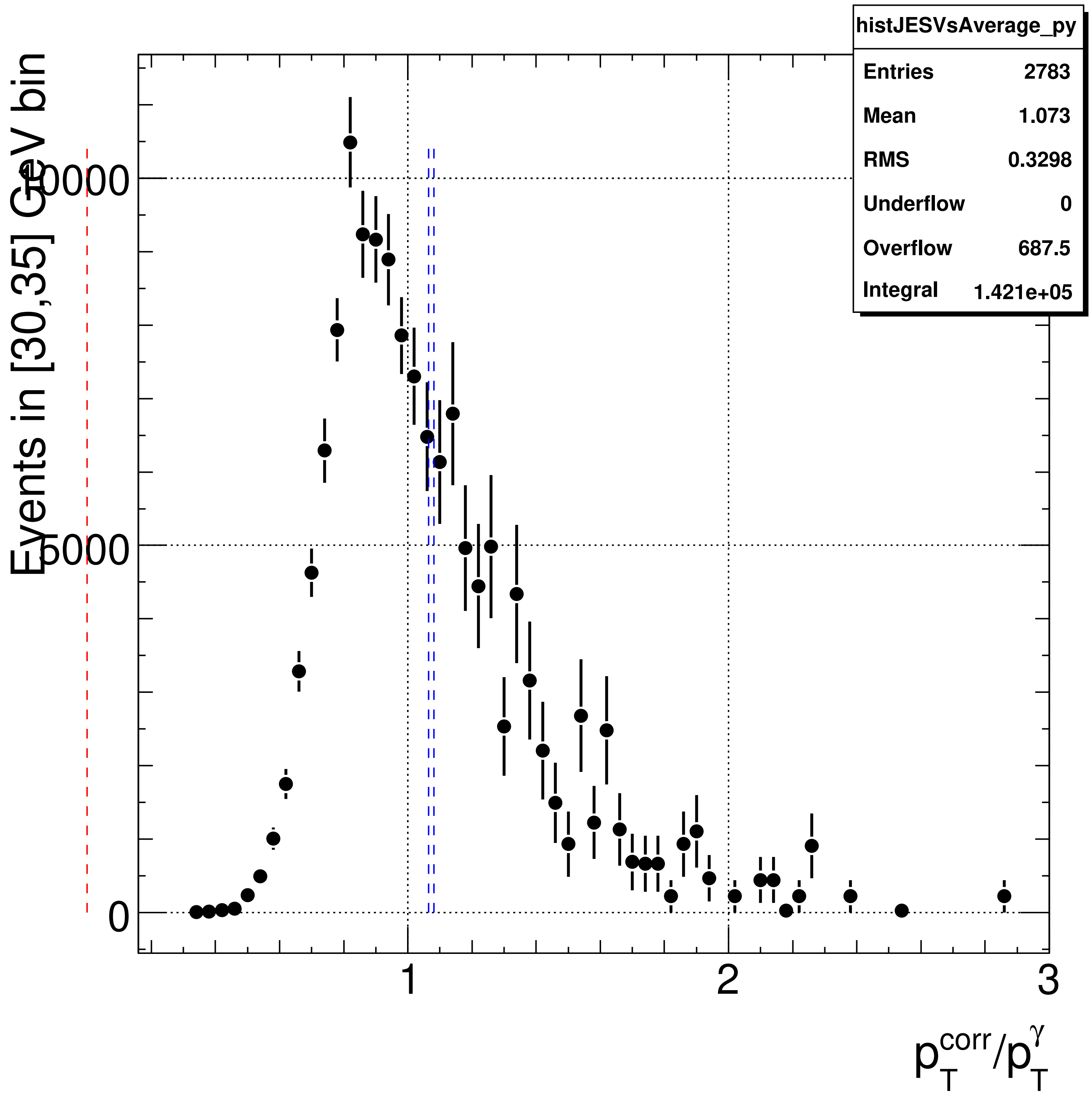

histJESVsAverage_py
Entries 1475
Mean 1.073
RMS 0.2842
Underflow 0
Overflow 0
Integral 3.115e+05
Events in [18,20] GeV bin
20000
10000
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



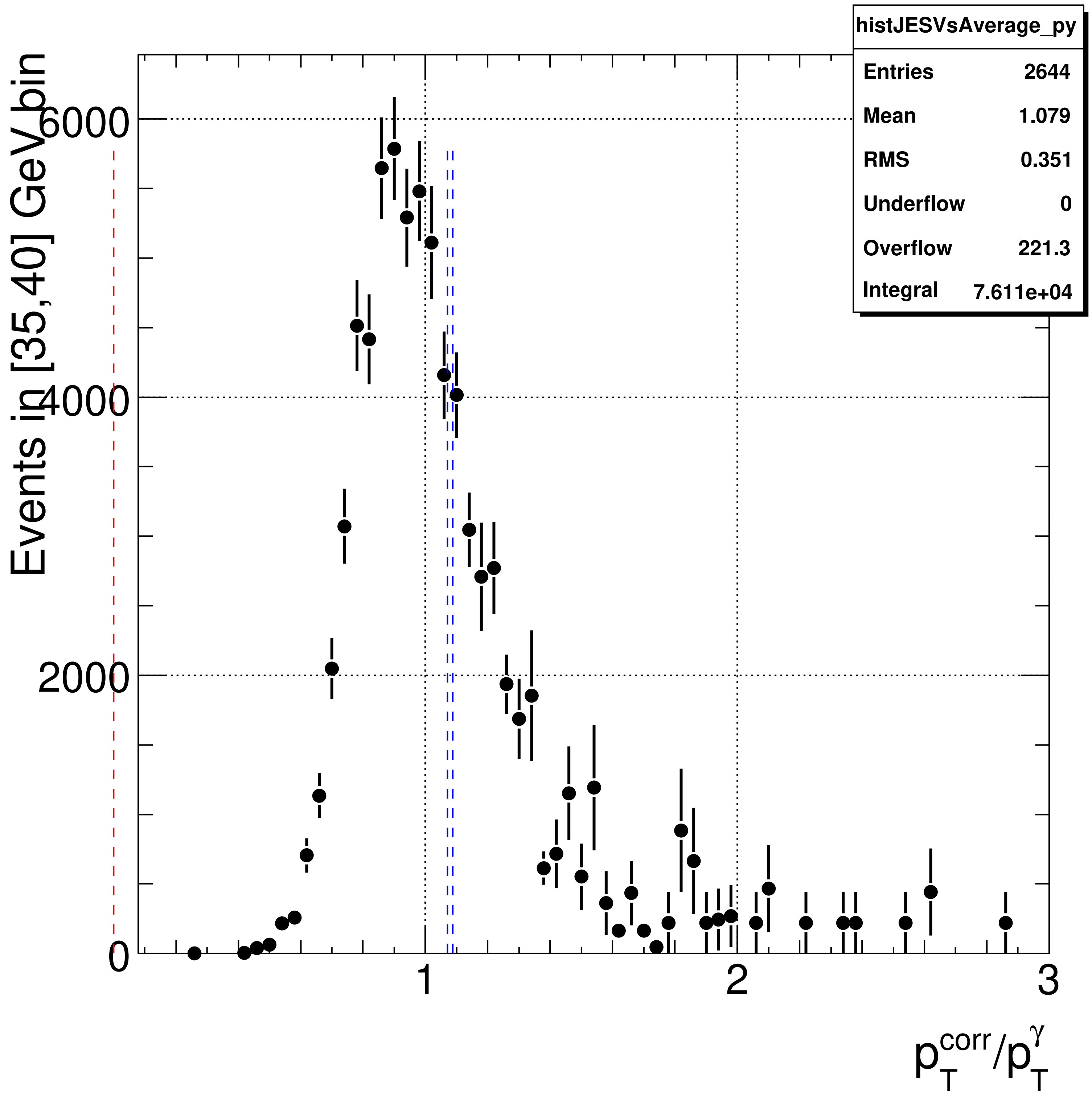
histJESVsAverage_py
Entries 2797
Mean 1.077
RMS 0.3063
Underflow 0
Overflow 0
Integral 5.3e+05
Events in [20,25] GeV bin
0
10000
20000
30000
1
2
p_T^{corr}/p_T^{γ}



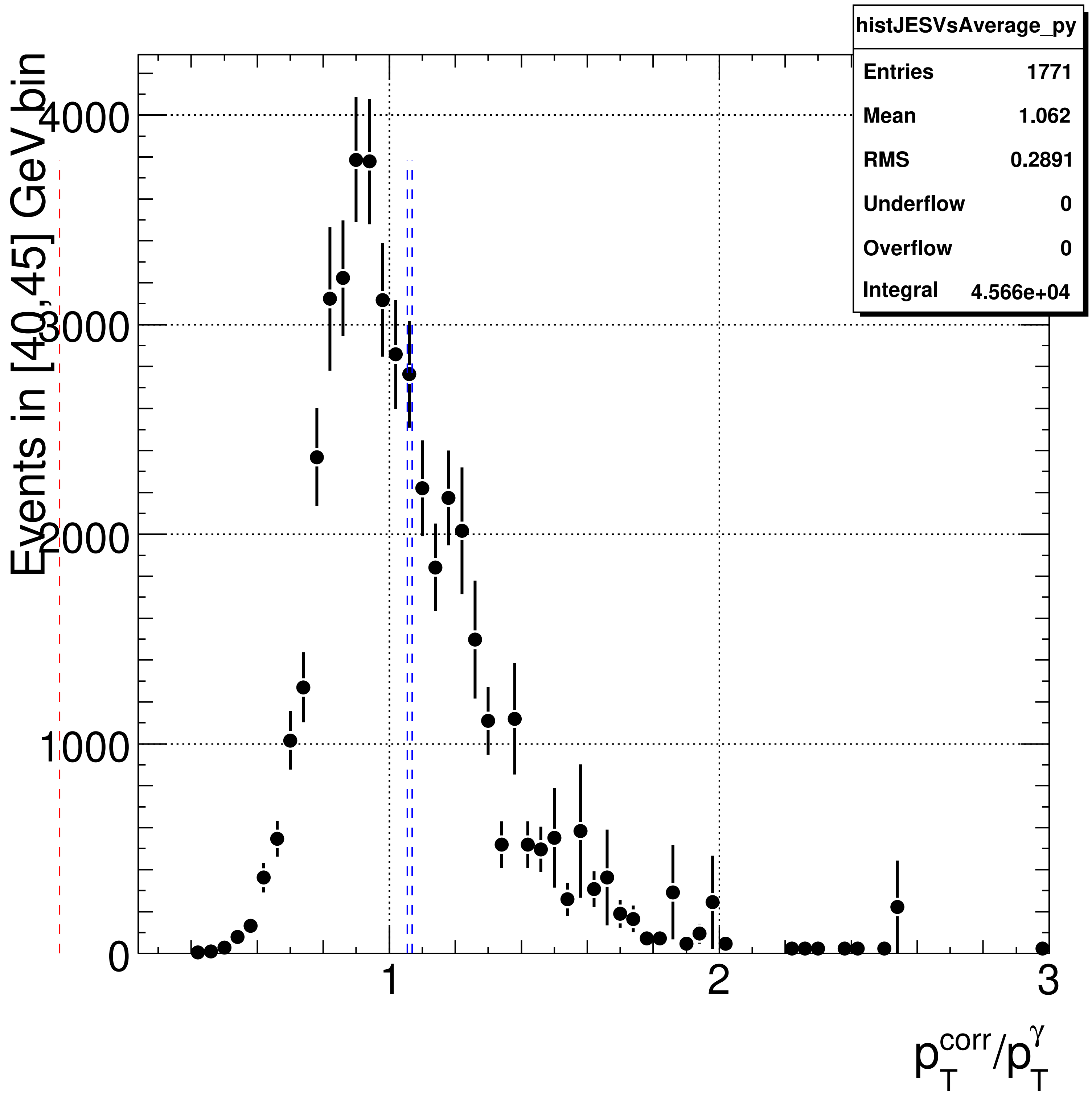
histJESVsAverage_py
Entries 2491
Mean 1.09
RMS 0.3477
Underflow 0
Overflow 442.6
Integral 2.749e+05
Events in [25,30] GeV bin
0
5000
1
2
3
p_T^{corr}/p_T^{γ}



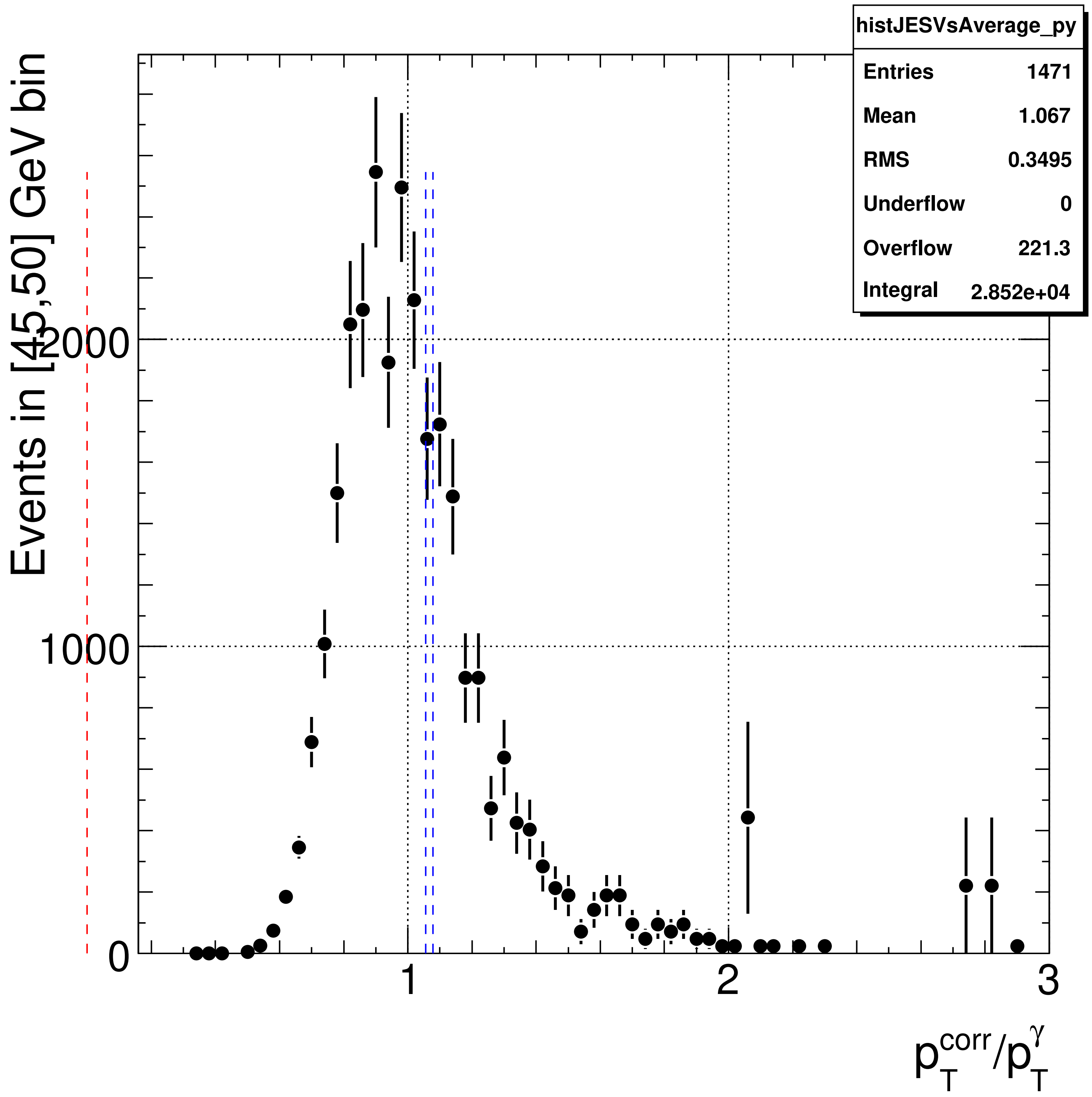
histJESVsAverage_py
Entries 2783
Mean 1.073
RMS 0.3298
Underflow 0
Overflow 687.5
Integral 1.421e+05
Events in [30,35] GeV bin
10000
5000
0
1
2
3
p_T^{corr}/p_T^{γ}

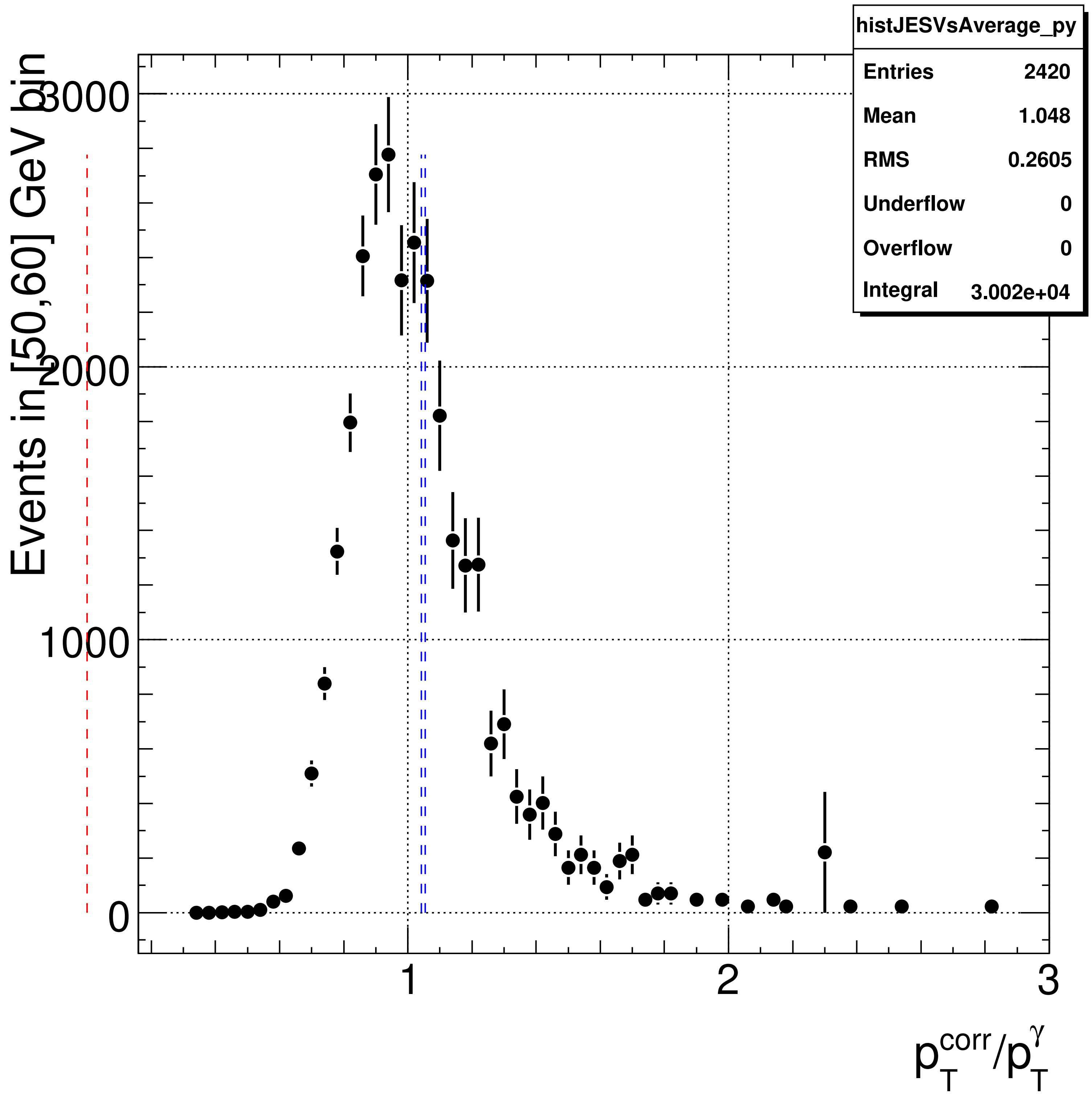


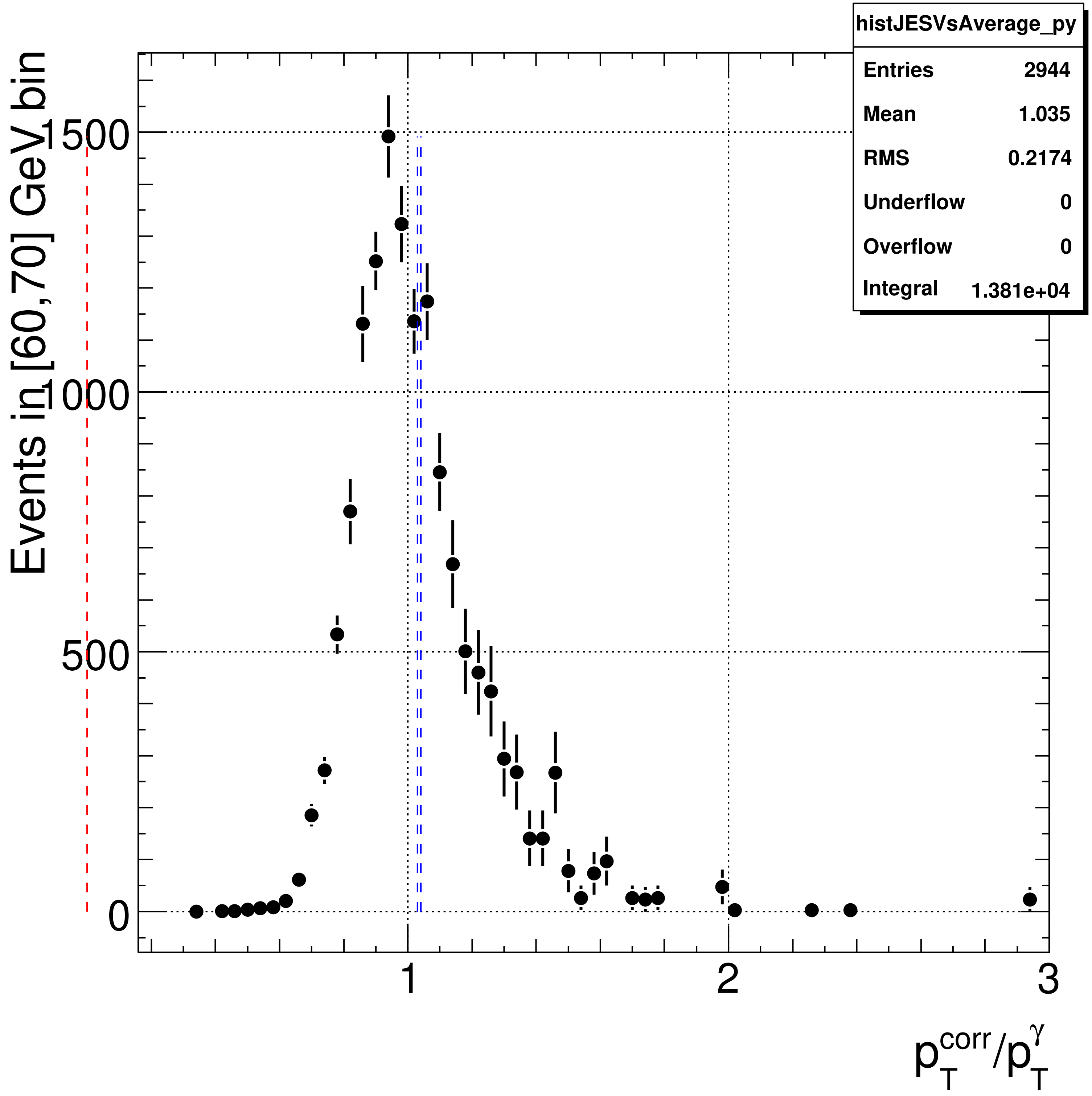
histJESVsAverage_py
Entries 2644
Mean 1.079
RMS 0.351
Underflow 0
Overflow 221.3
Integral 7.611e+04
Events in [35,40] GeV bin
0
2000
4000
6000
1
2
3
p_T^{corr}/p_T^{γ}

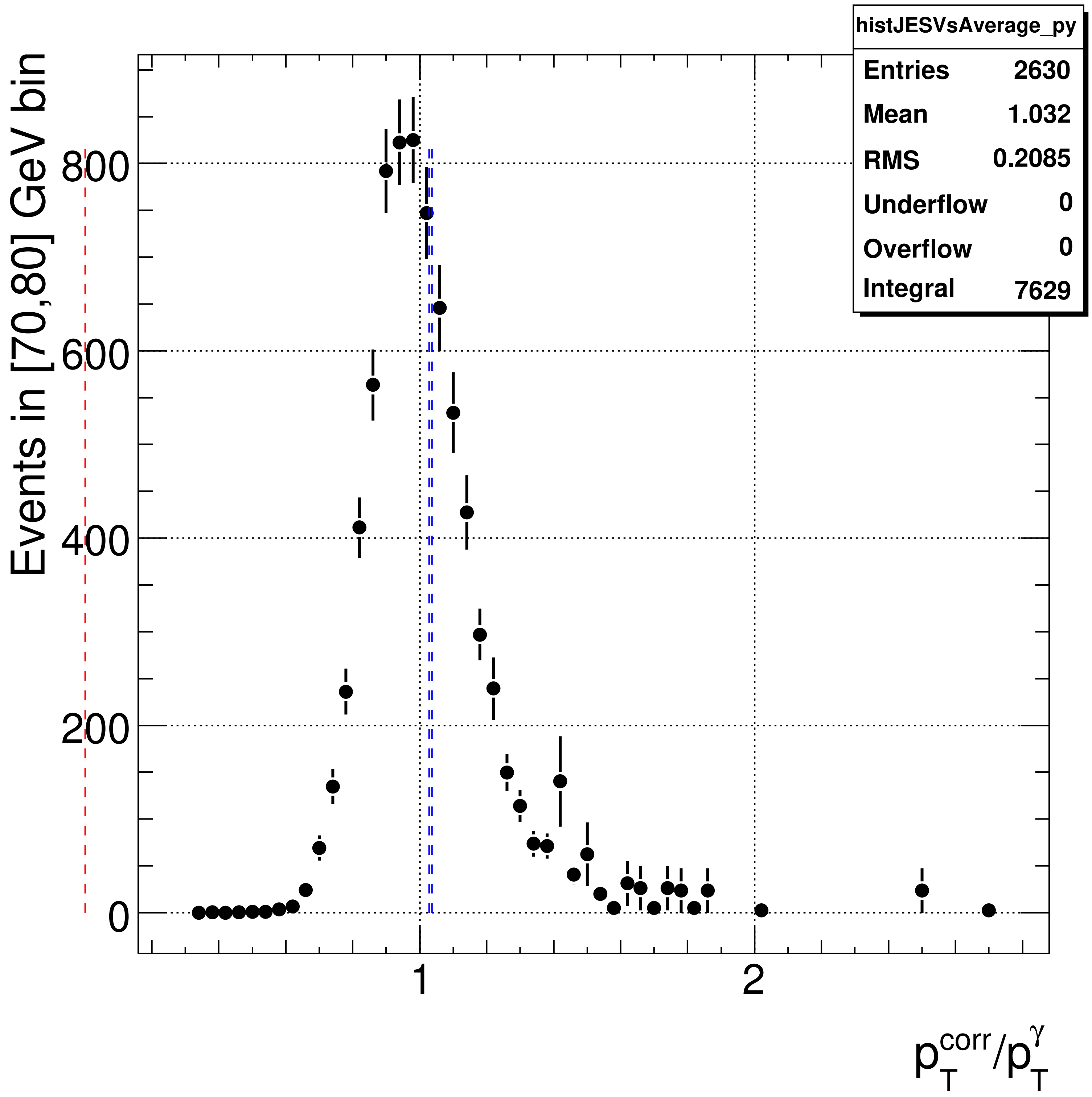


histJESVsAverage_py
Entries 1771
Mean 1.062
RMS 0.2891
Underflow 0
Overflow 0
Integral 4.566e+04
Events in [40,45] GeV bin
0
1000
2000
3000
4000
1
2
3
p_T^{corr}/p_T^{γ}

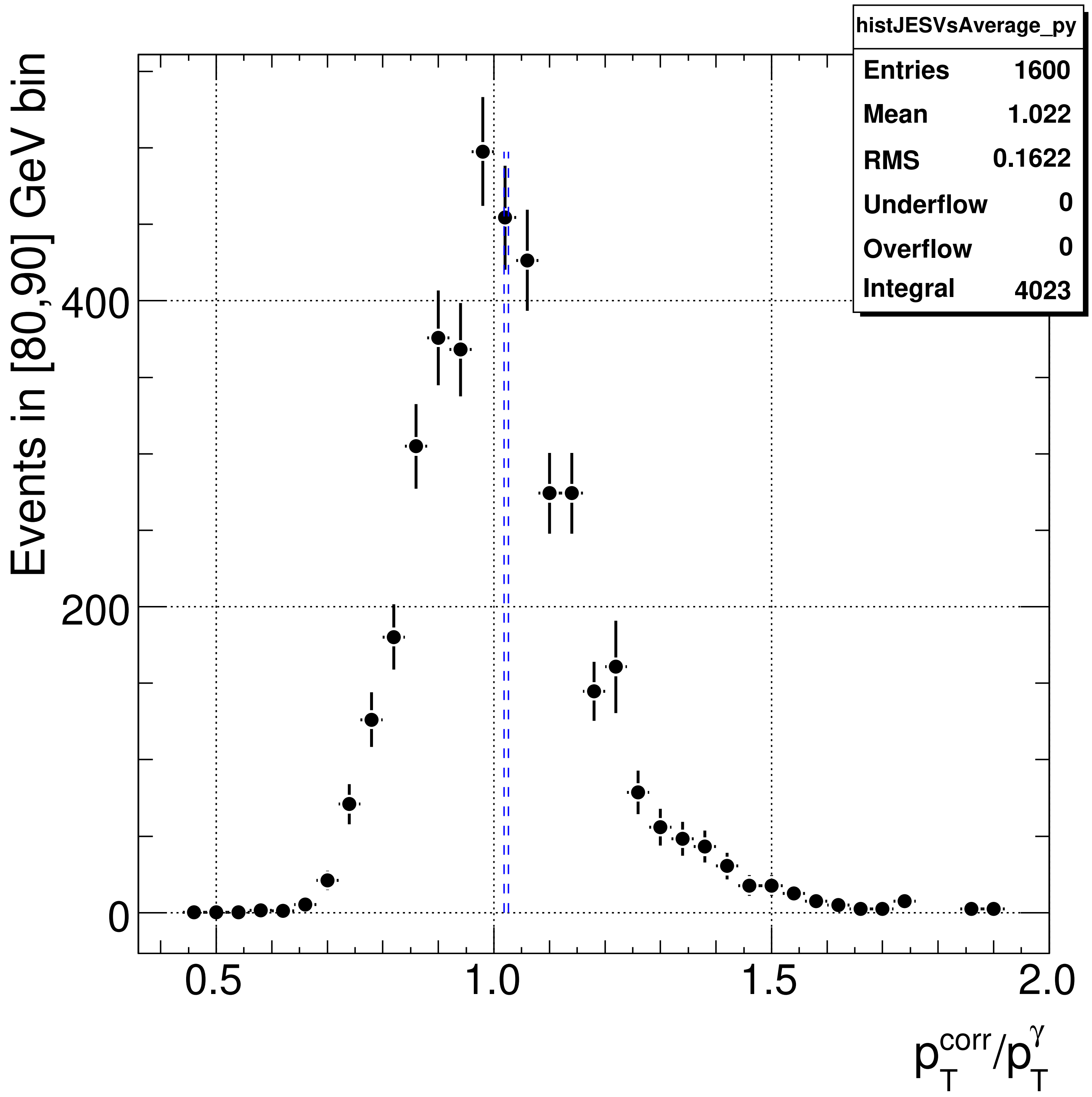

histJESVsAverage_py
Entries 1471
Mean 1.067
RMS 0.3495
Underflow 0
Overflow 221.3
Integral 2.852e+04
Events in [45,50] GeV bin
0
1000
2000
1
2
3
p_T^{corr}/p_T^{γ}

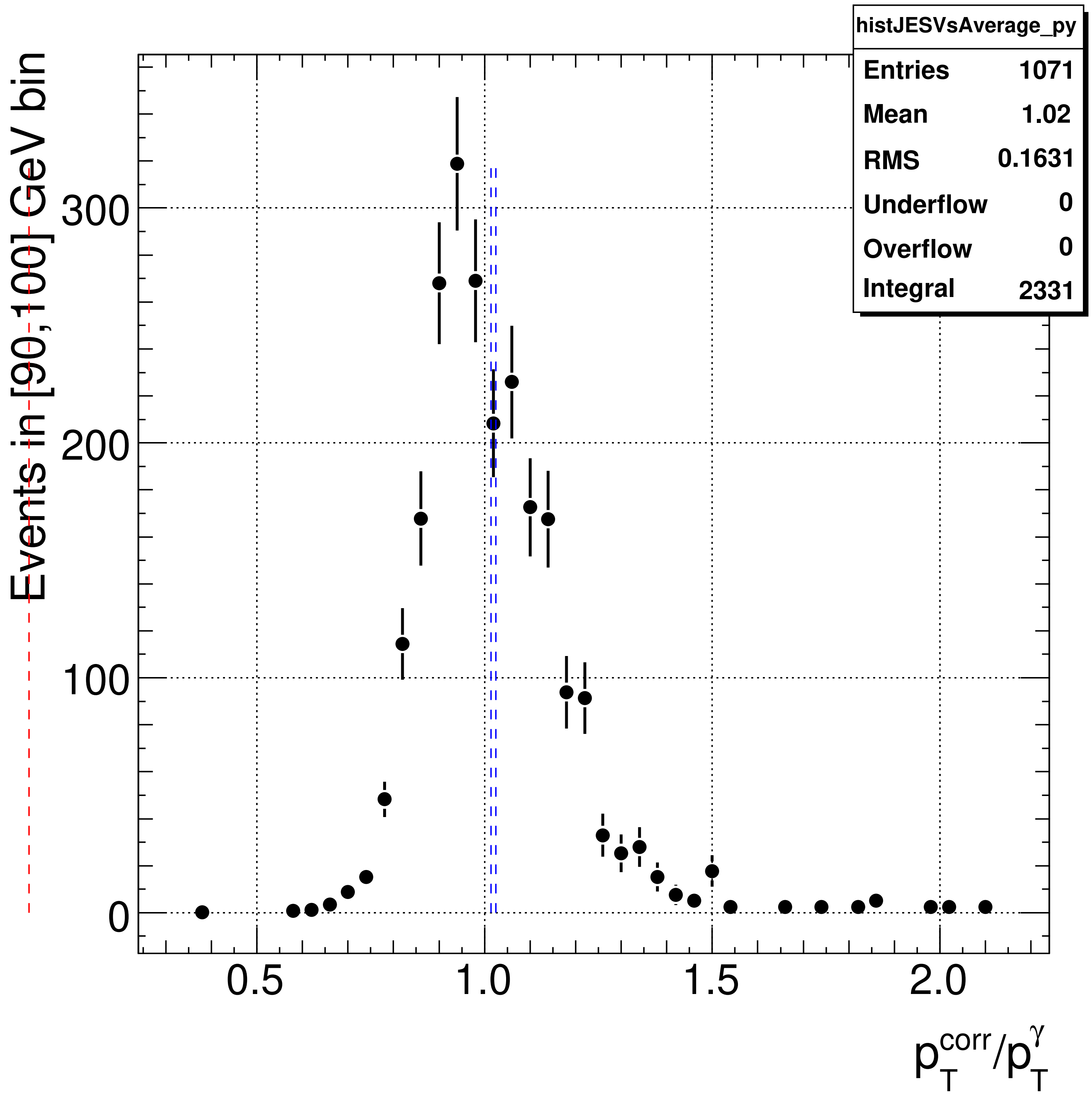

histJESVsAverage_py
Entries 2420
Mean 1.048
RMS 0.2605
Underflow 0
Overflow 0
Integral 3.002e+04
Events in [50,60] GeV bin
3000
2000
1000
0
1
2
3
p_T^{corr}/p_T^{γ}


histJESVsAverage_py
Entries 2944
Mean 1.035
RMS 0.2174
Underflow 0
Overflow 0
Integral 1.381e+04
Events in [60,70] GeV bin
0
500
1000
1500
1
2
3
p_T^{corr}/p_T^{γ}

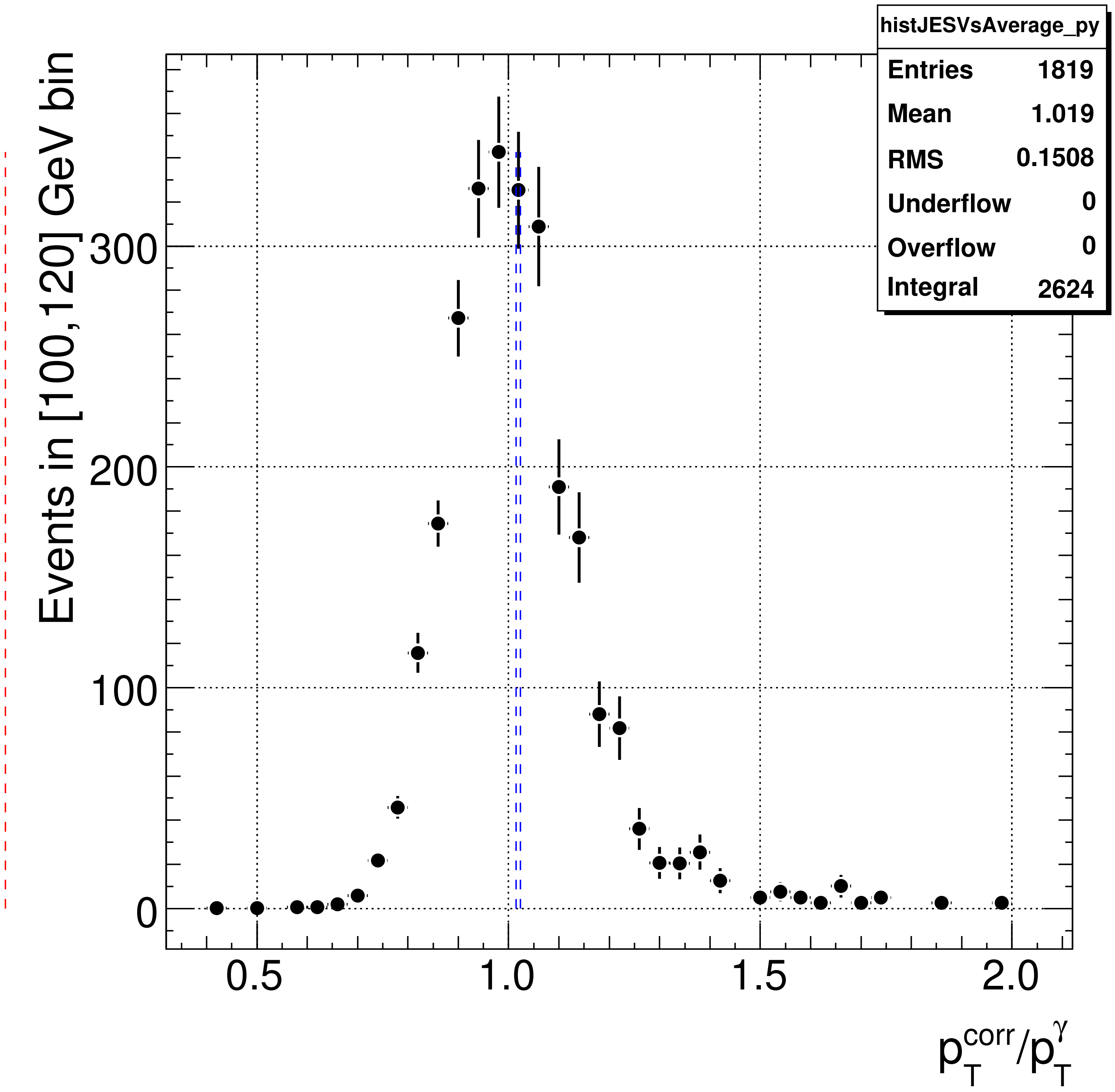


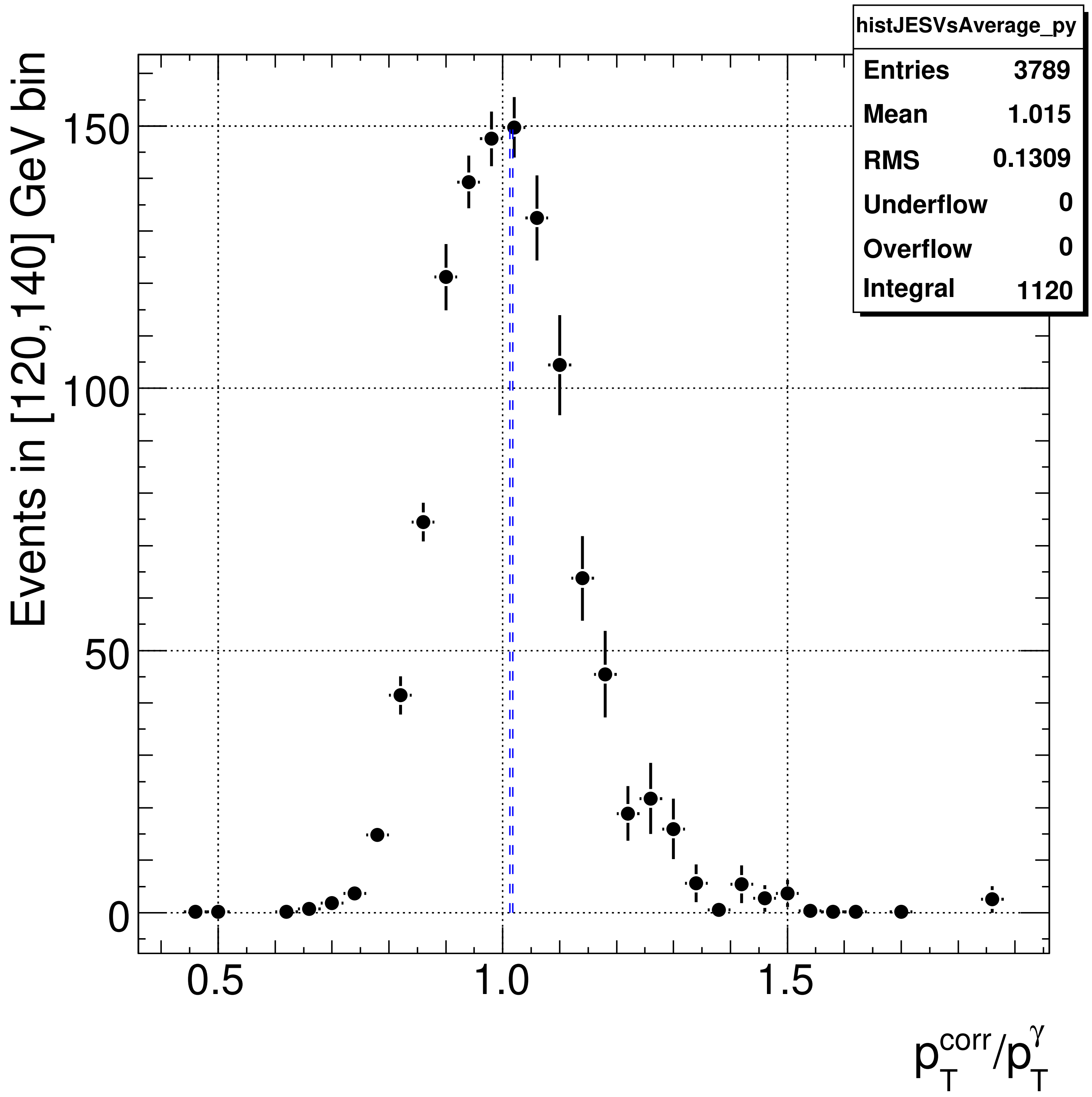
histJESVsAverage_py
Entries 2630
Mean 1.032
RMS 0.2085
Underflow 0
Overflow 0
Integral 7629
Events in [70,80] GeV bin
0
200
400
600
800
1
2
p_T^{corr}/p_T^{γ}


histJESVsAverage_py
Entries 1600
Mean 1.022
RMS 0.1622
Underflow 0
Overflow 0
Integral 4023
Events in [80,90] GeV bin
0
200
400
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

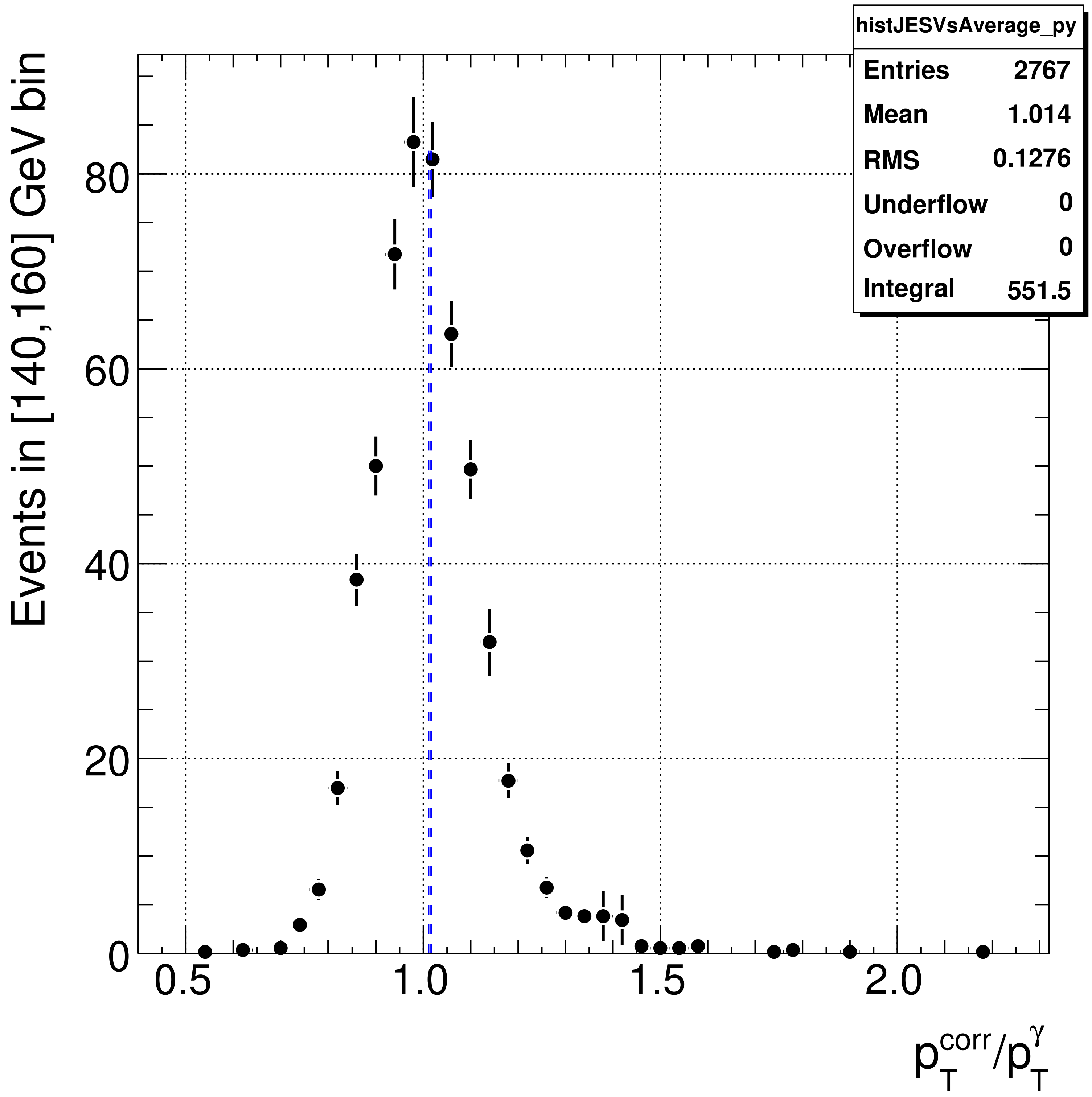


histJESVsAverage_py
Entries 1071
Mean 1.02
RMS 0.1631
Underflow 0
Overflow 0
Integral 2331
Events in [90,100] GeV bin
0
100
200
300
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

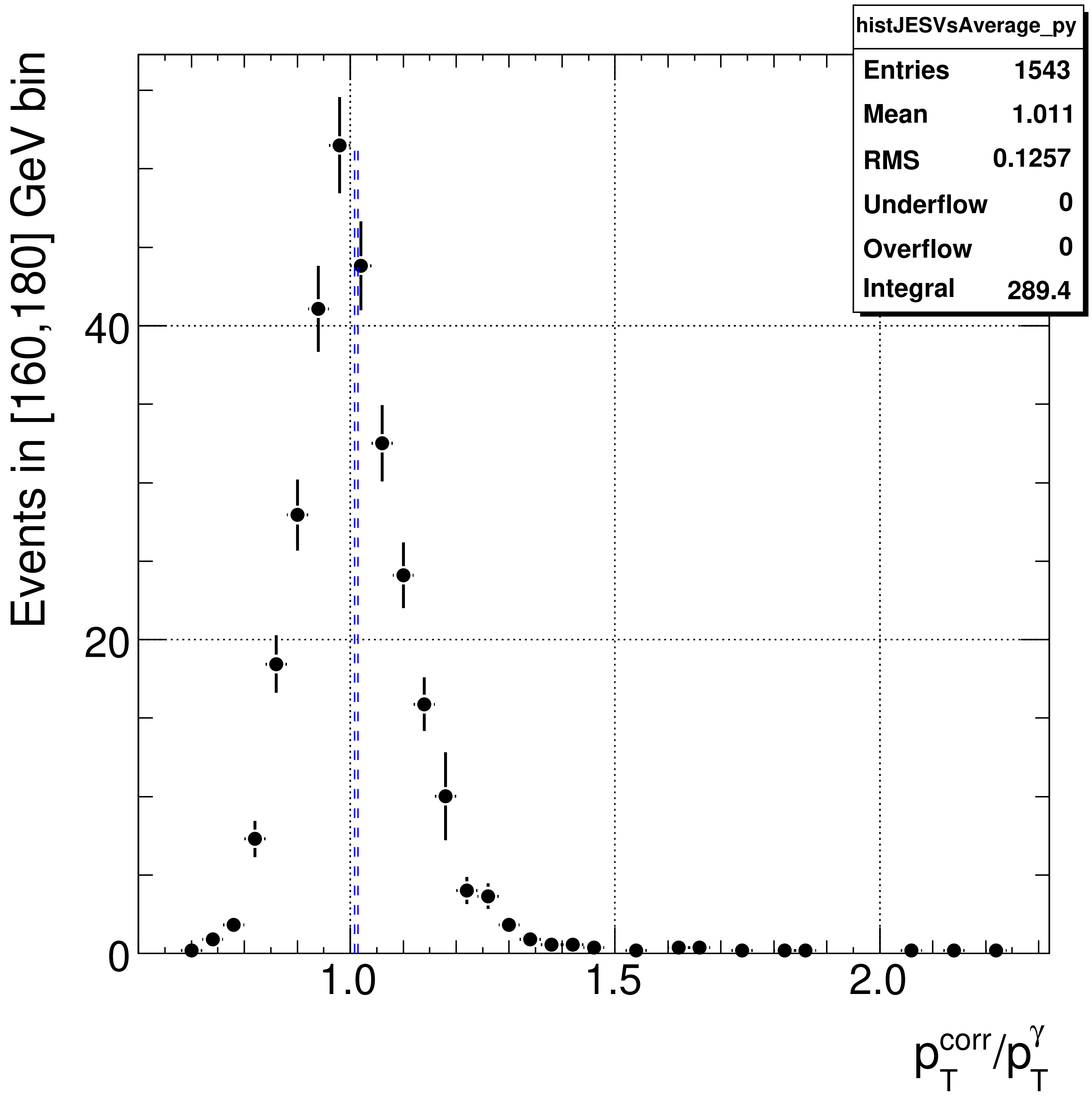

histJESVsAverage_py
Entries 1819
Mean 1.019
RMS 0.1508
Underflow 0
Overflow 0
Integral 2624
Events in [100,120] GeV bin
0
100
200
300
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



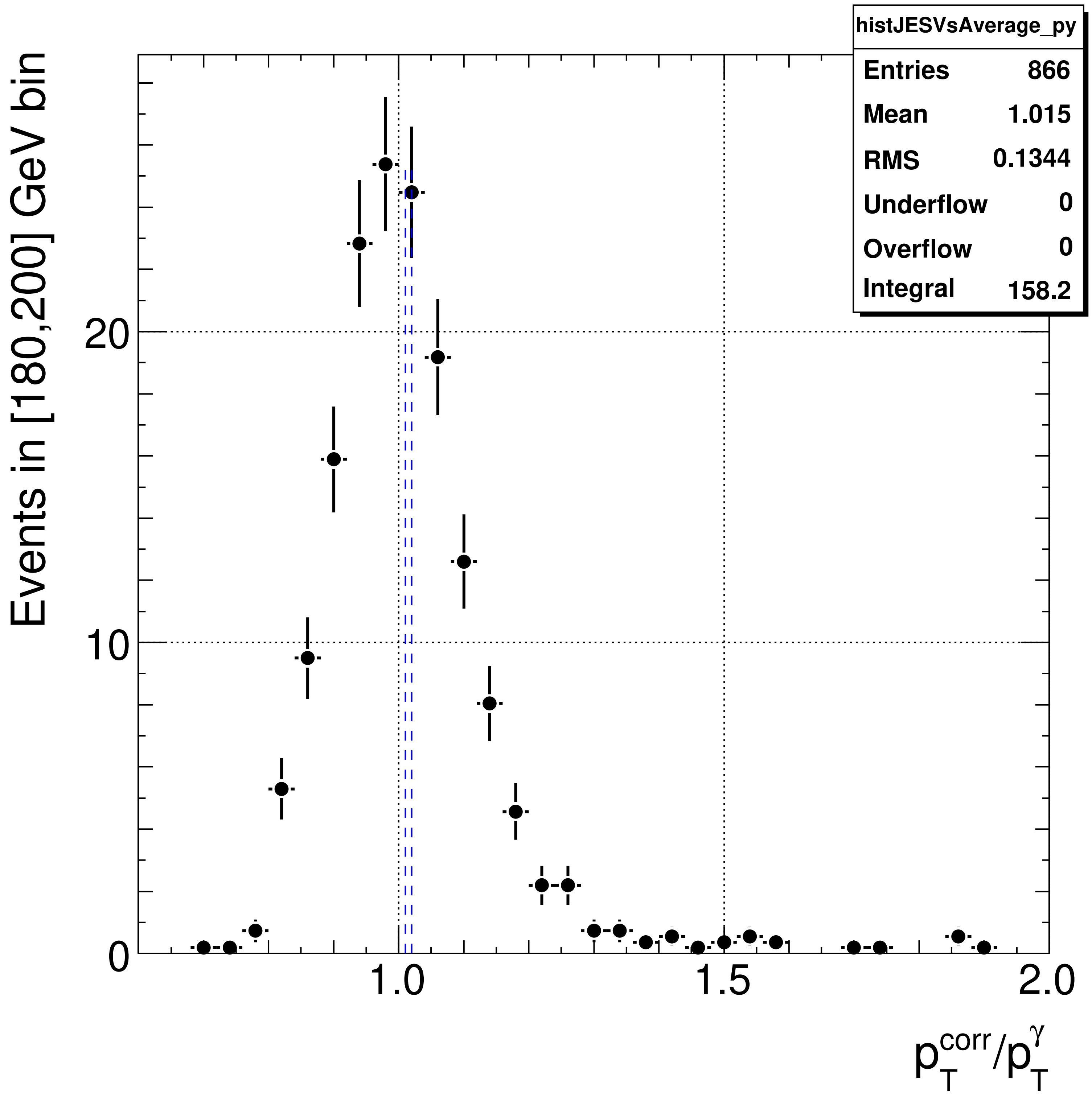
histJESVsAverage_py
Entries 3789
Mean 1.015
RMS 0.1309
Underflow 0
Overflow 0
Integral 1120
Events in [120,140] GeV bin
0
50
100
150
0.5
1.0
1.5
p_T^{corr}/p_T^{γ}



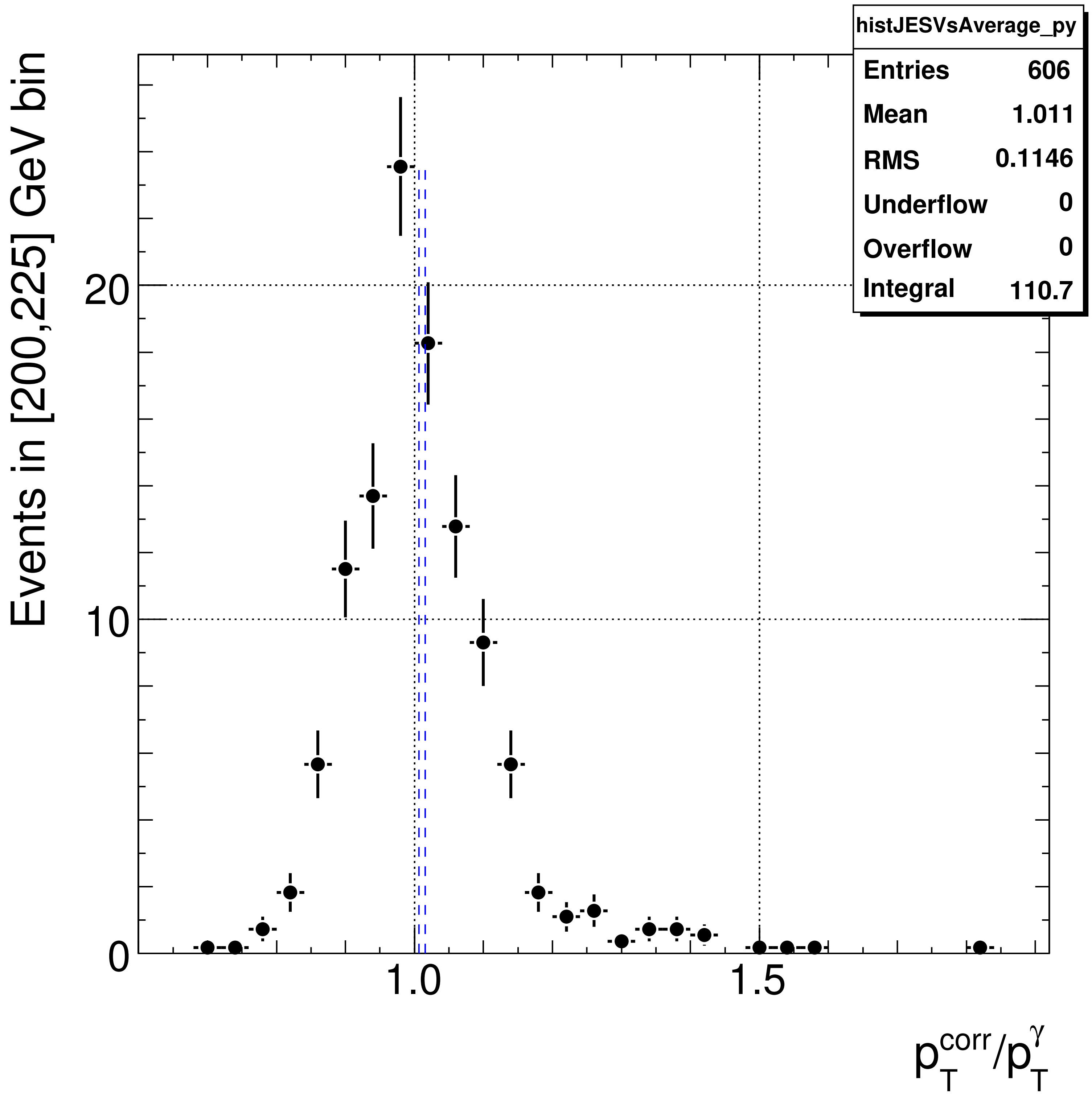
histJESVsAverage_py
Entries 2767
Mean 1.014
RMS 0.1276
Underflow 0
Overflow 0
Integral 551.5
Events in [140,160] GeV bin
0
20
40
60
80
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



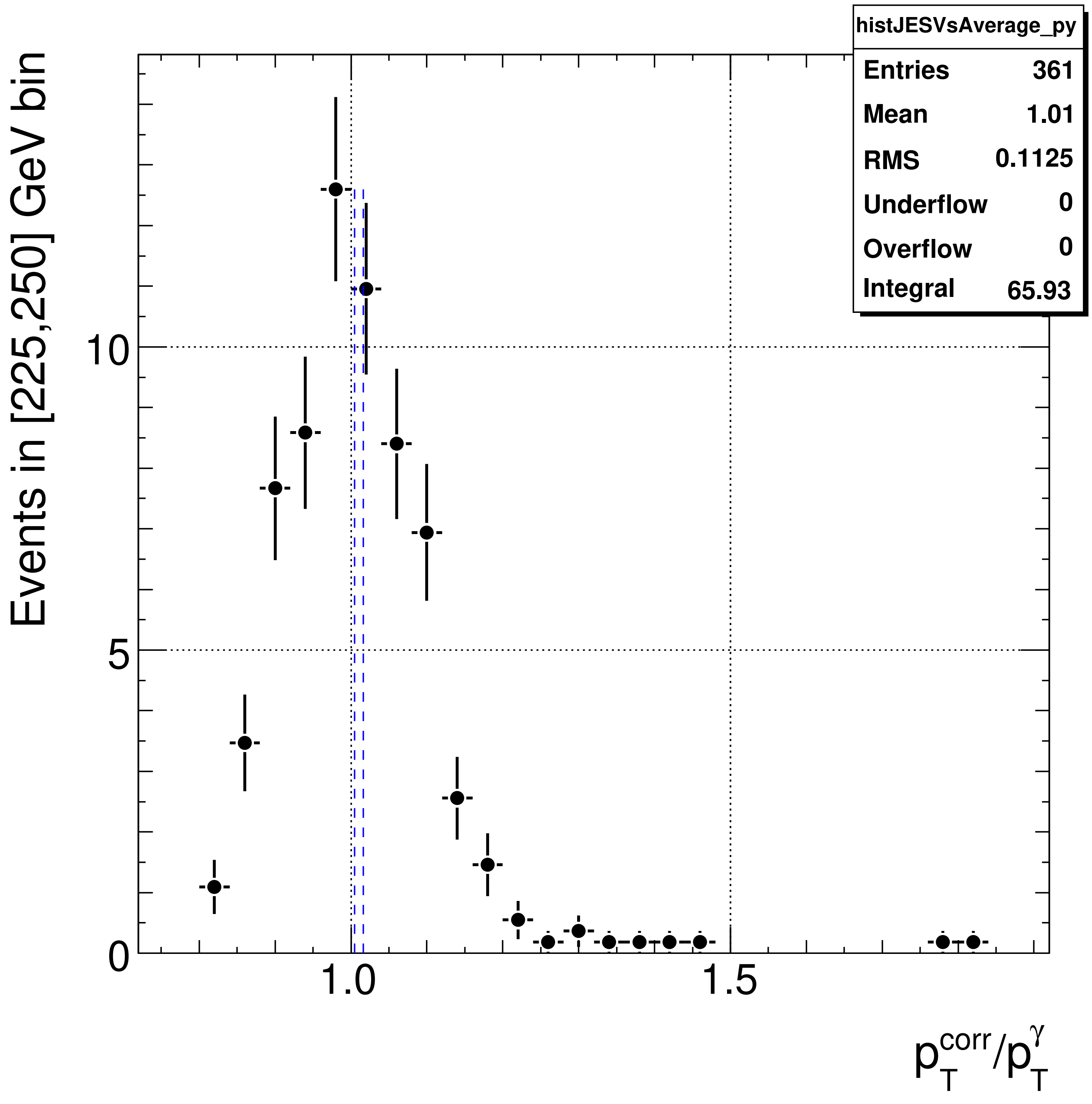
histJESVsAverage_py
Entries 1543
Mean 1.011
RMS 0.1257
Underflow 0
Overflow 0
Integral 289.4
Events in [160,180] GeV bin
0
20
40
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



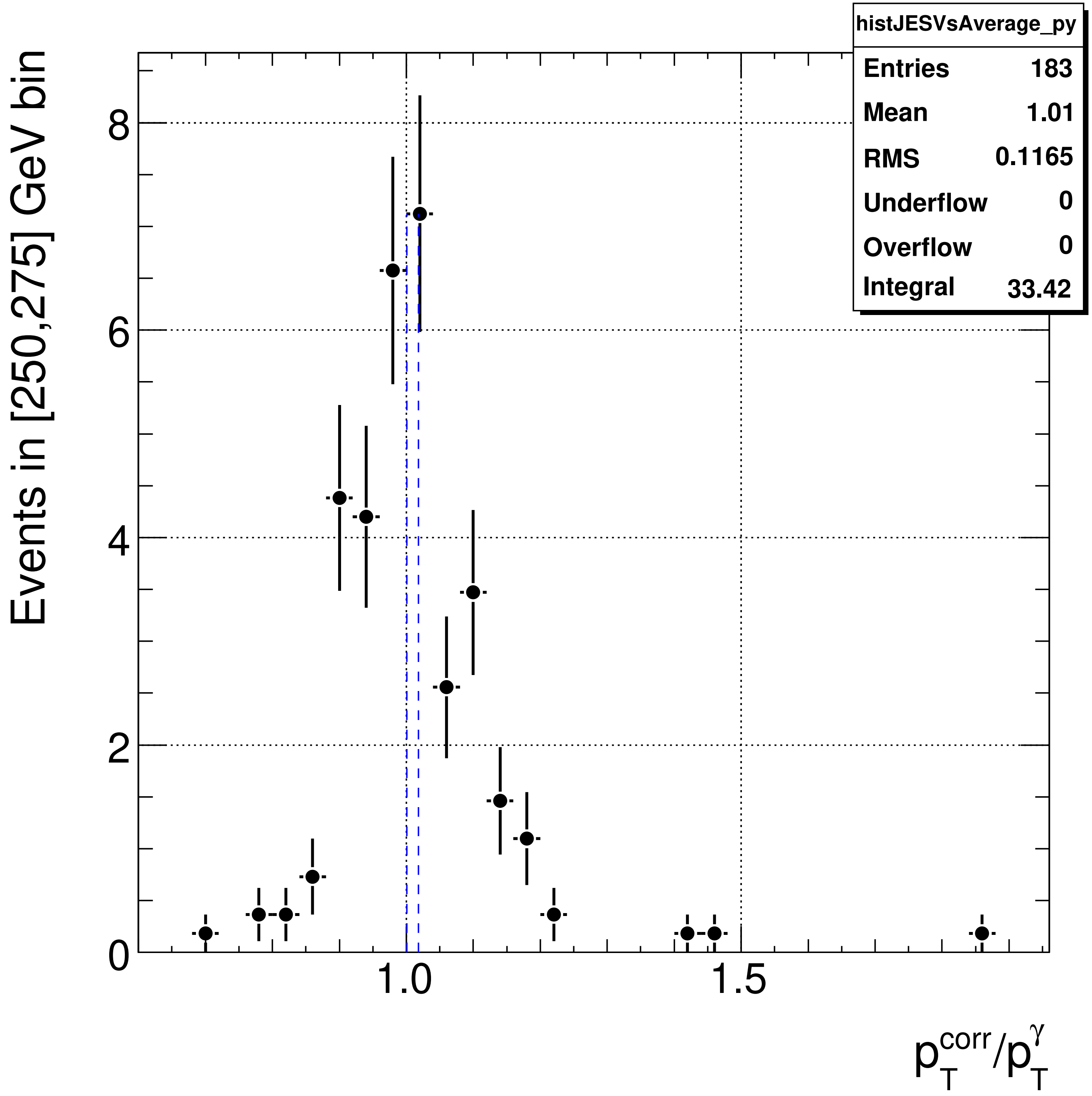
histJESVsAverage_py
Entries 866
Mean 1.015
RMS 0.1344
Underflow 0
Overflow 0
Integral 158.2
Events in [180,200] GeV bin
0
10
20
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



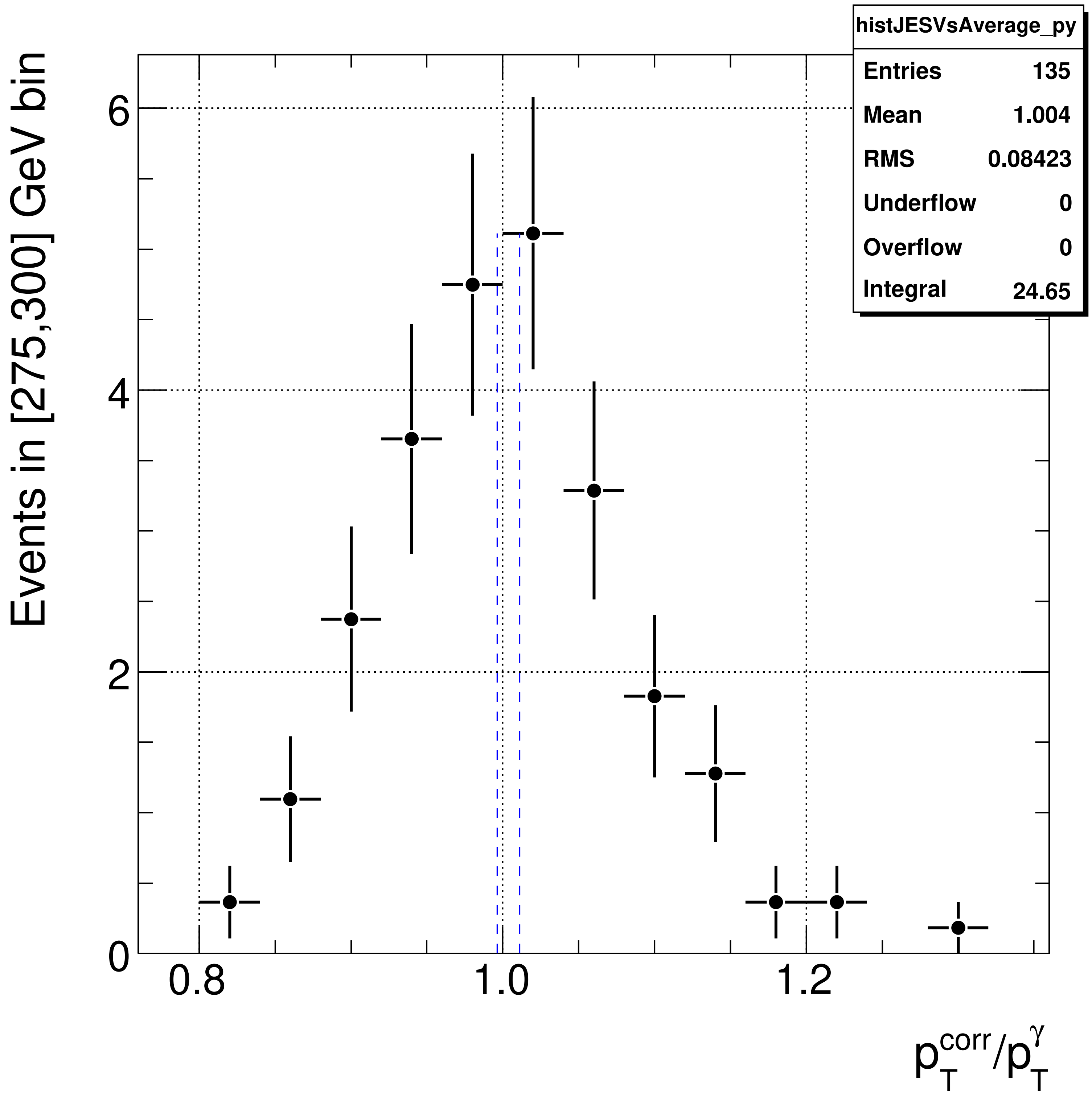
histJESVsAverage_py
Entries 606
Mean 1.011
RMS 0.1146
Underflow 0
Overflow 0
Integral 110.7
Events in [200,225] GeV bin
0
10
20
1.0
1.5
p_T^{corr}/p_T^{γ}



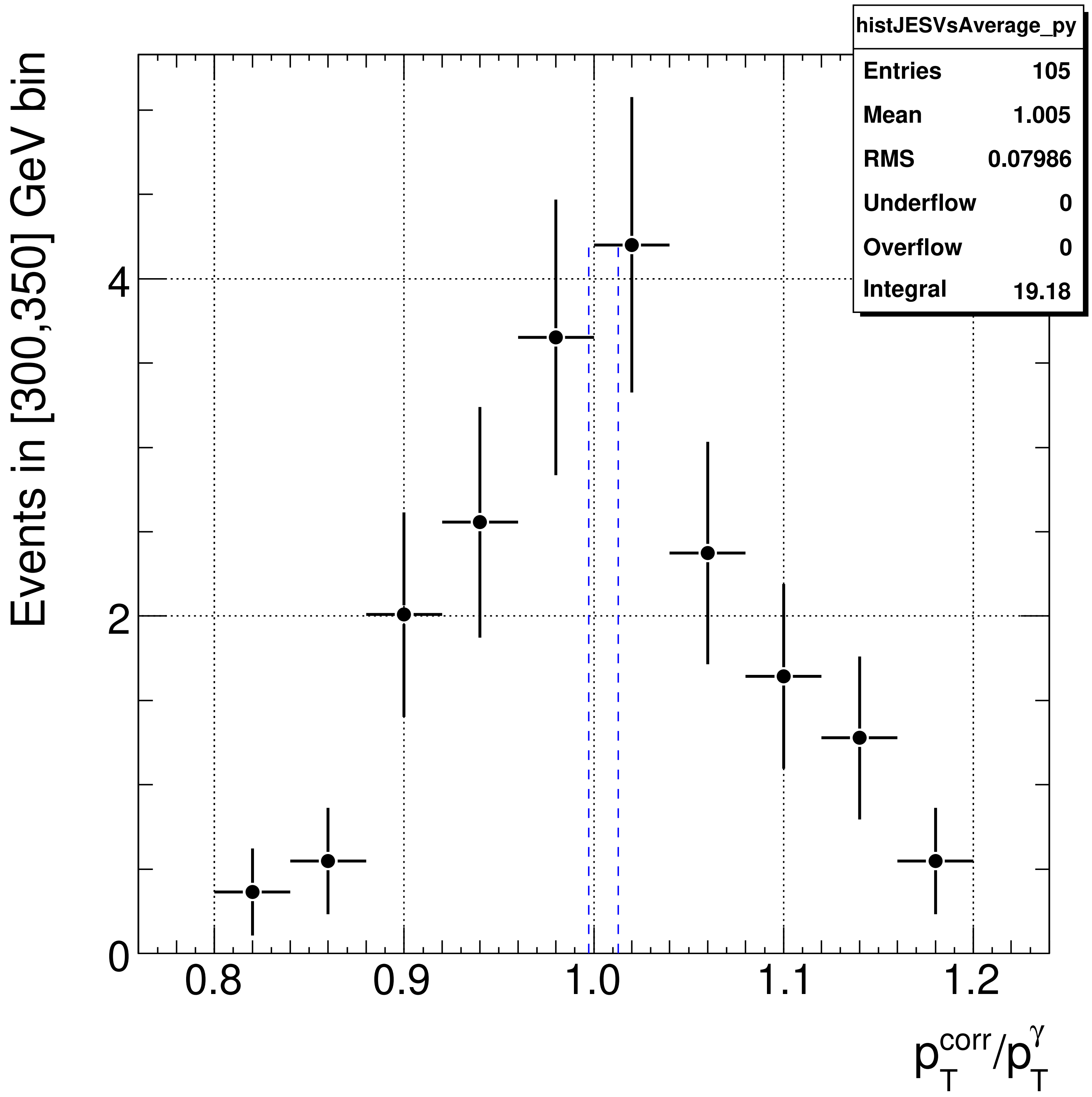
histJESVsAverage_py
Entries 361
Mean 1.01
RMS 0.1125
Underflow 0
Overflow 0
Integral 65.93
Events in [225,250] GeV bin
0
5
10
1.0
1.5
p_T^{corr}/p_T^{γ}



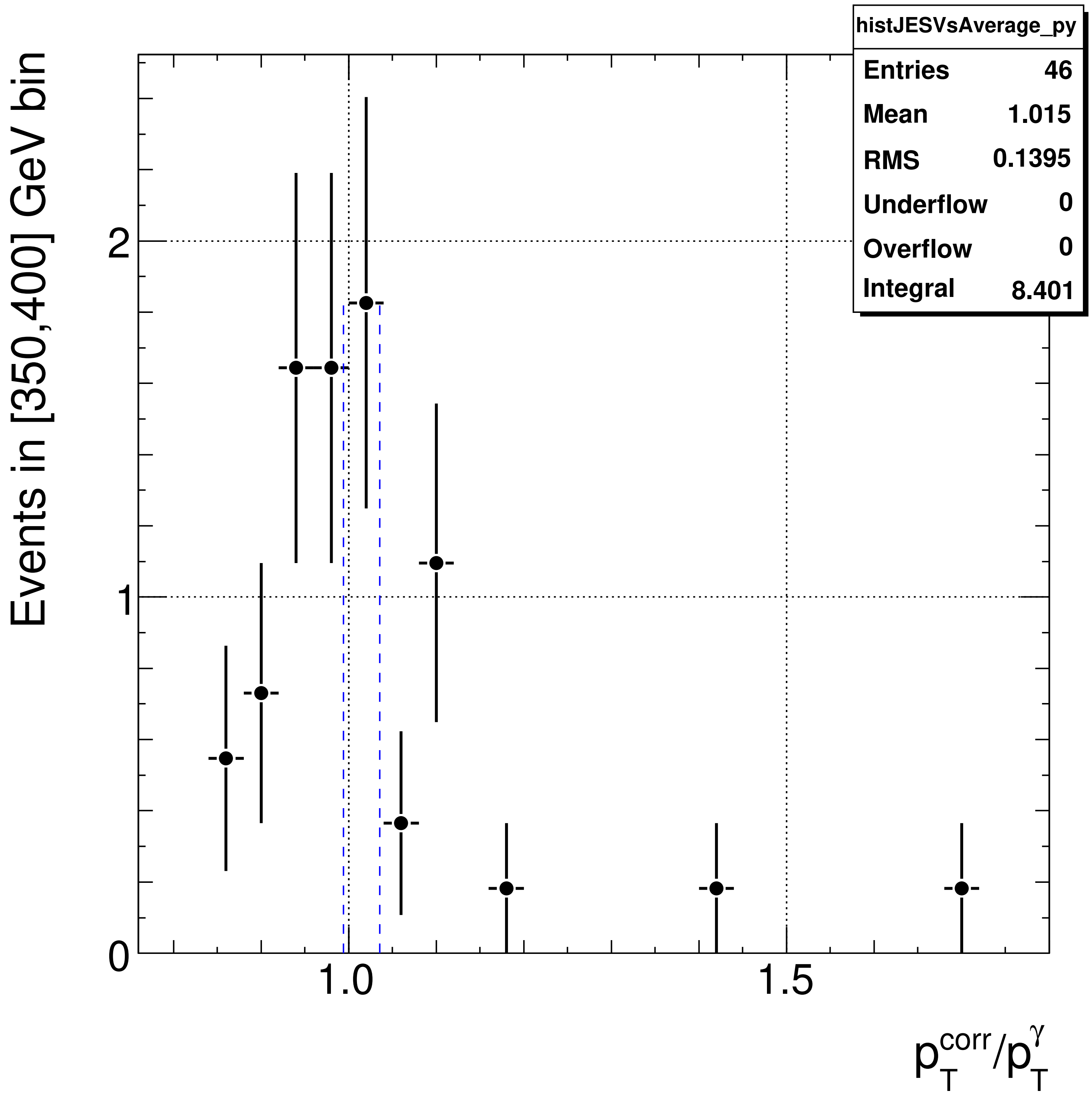
histJESVsAverage_py
Entries 183
Mean 1.01
RMS 0.1165
Underflow 0
Overflow 0
Integral 33.42
Events in [250,275] GeV bin
0
2
4
6
8
1.0
1.5
p_T^{corr}/p_T^{γ}



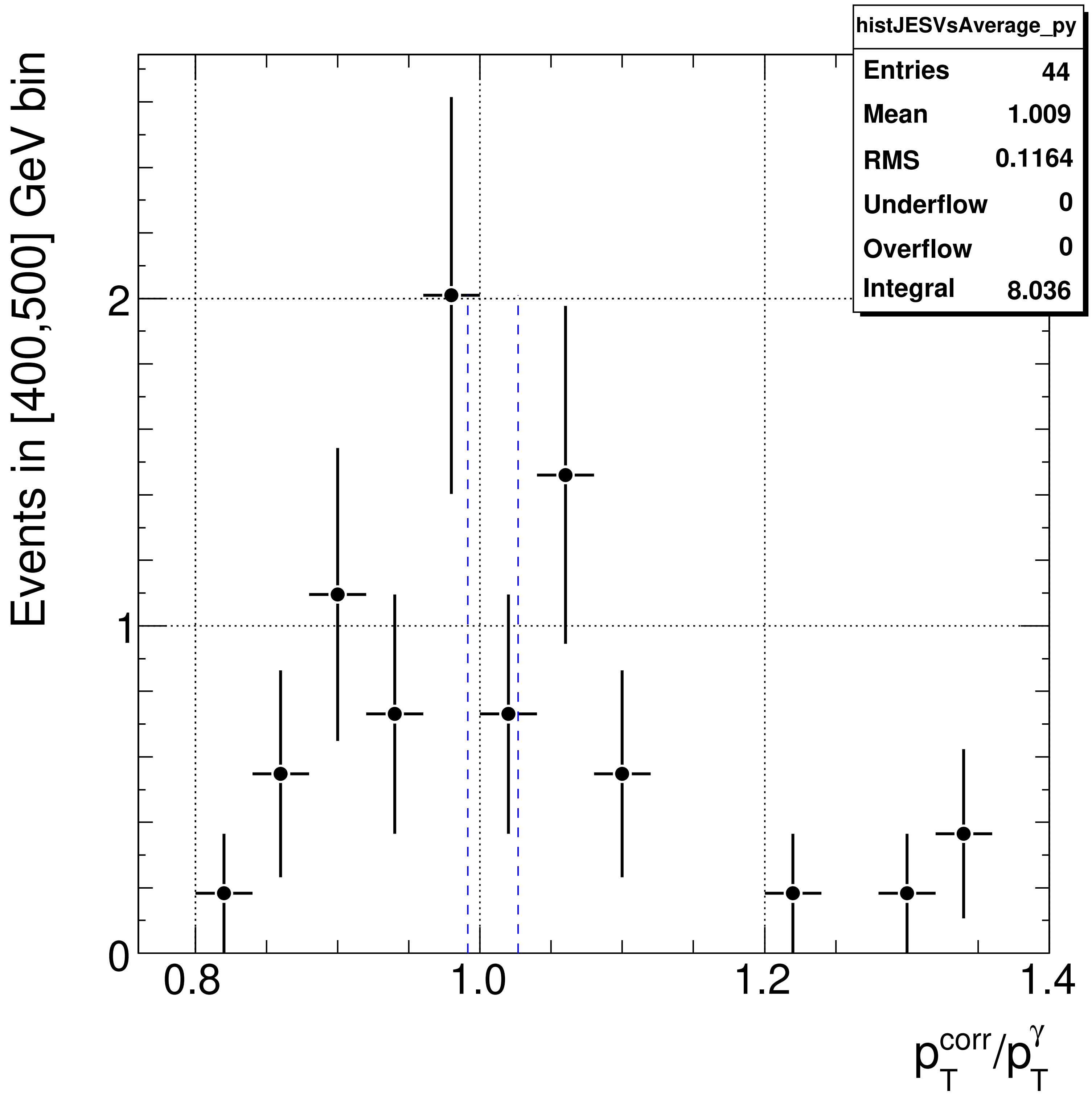
histJESVsAverage_py
Entries 135
Mean 1.004
RMS 0.08423
Underflow 0
Overflow 0
Integral 24.65
Events in [275,300] GeV bin
0
2
4
6
0.8
1.0
1.2
p_T^{corr}/p_T^{γ}



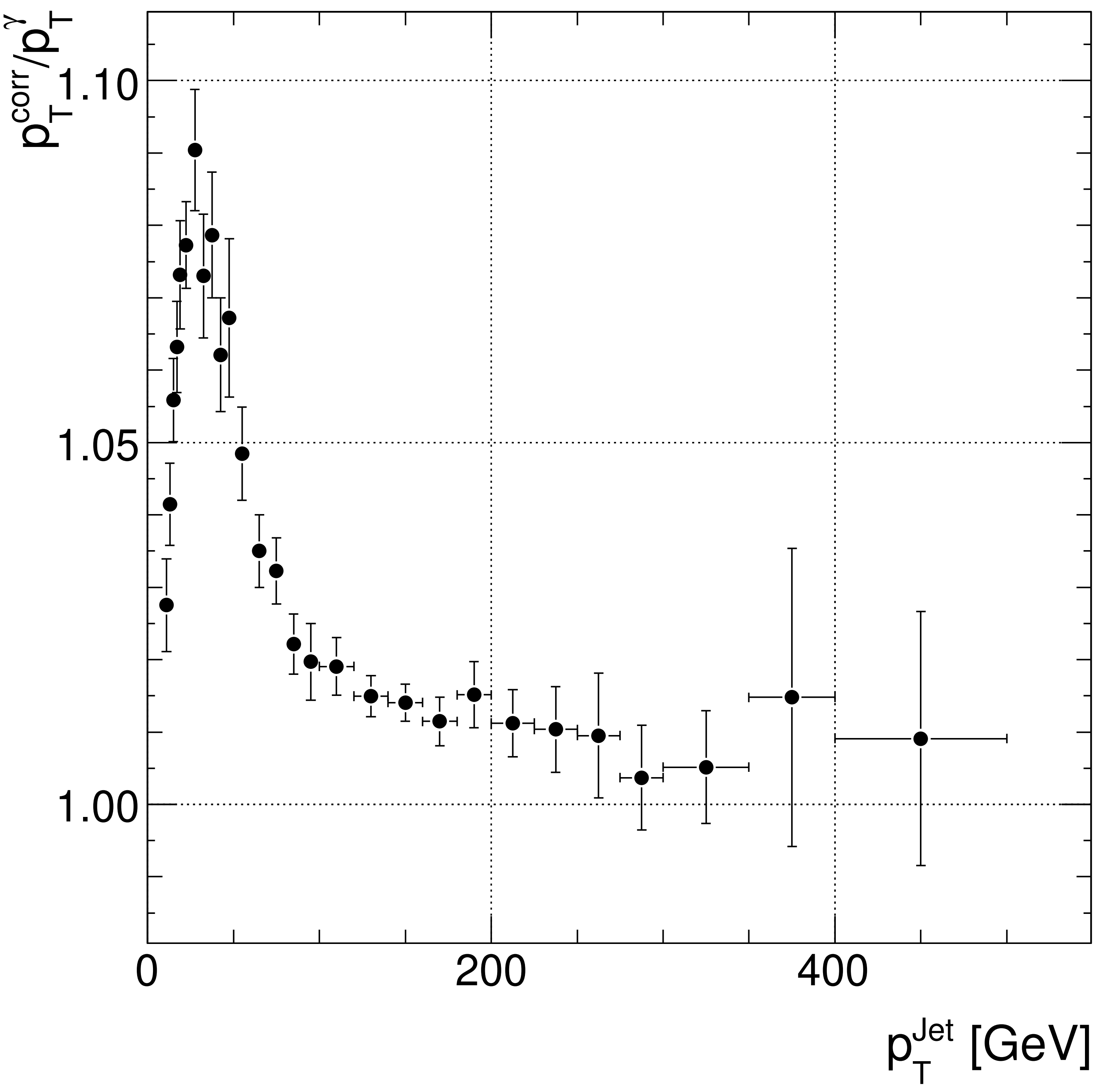
histJESVsAverage_py
Entries 105
Mean 1.005
RMS 0.07986
Underflow 0
Overflow 0
Integral 19.18
Events in [300,350] GeV bin
0
2
4
0.8
0.9
1.0
1.1
1.2
p_T^{corr}/p_T^{γ}



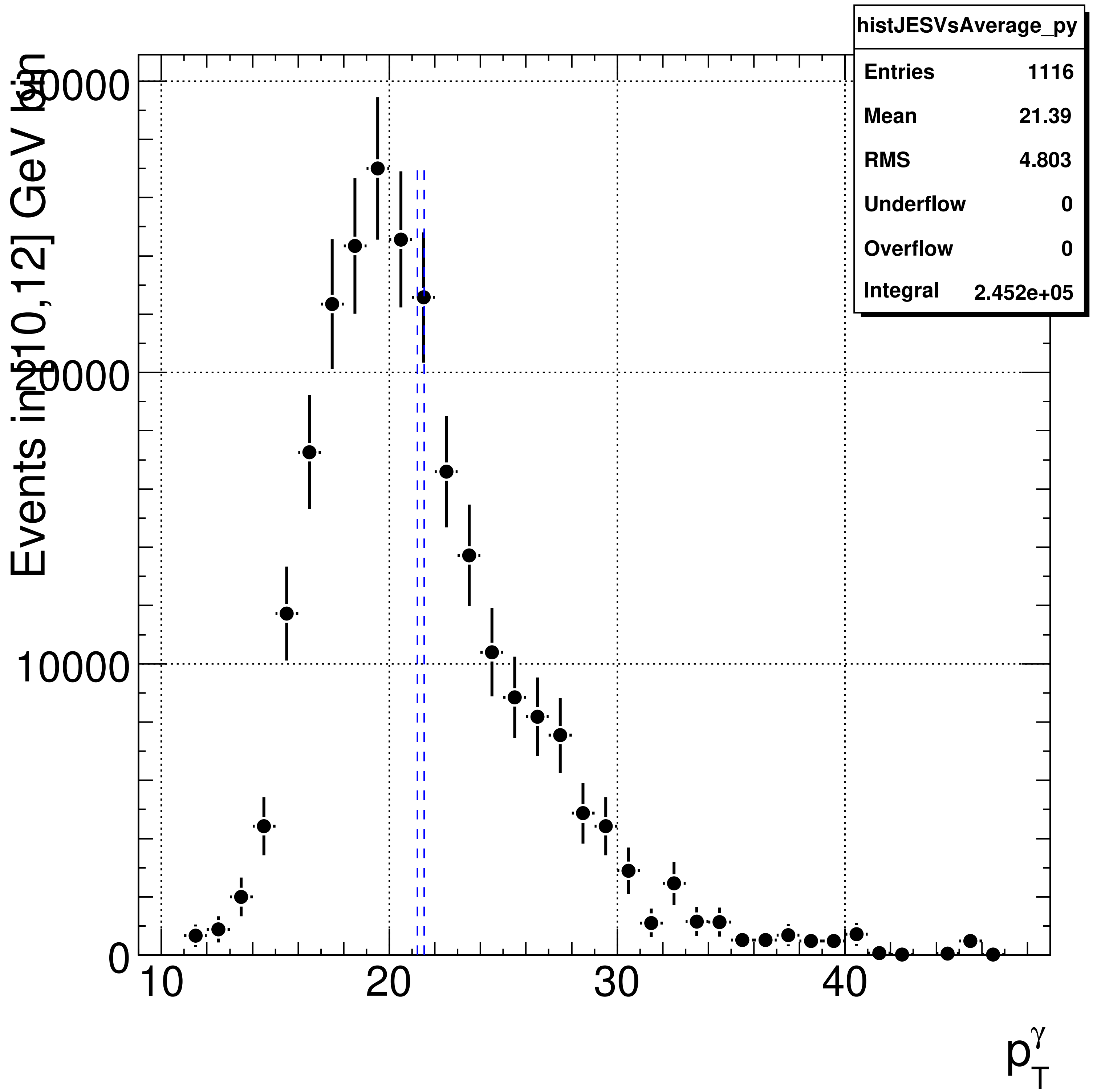
histJESVsAverage_py
Entries 46
Mean 1.015
RMS 0.1395
Underflow 0
Overflow 0
Integral 8.401
Events in [350,400] GeV bin
p_T^{corr}/p_T^{γ}
0
1
2
1.0
1.5



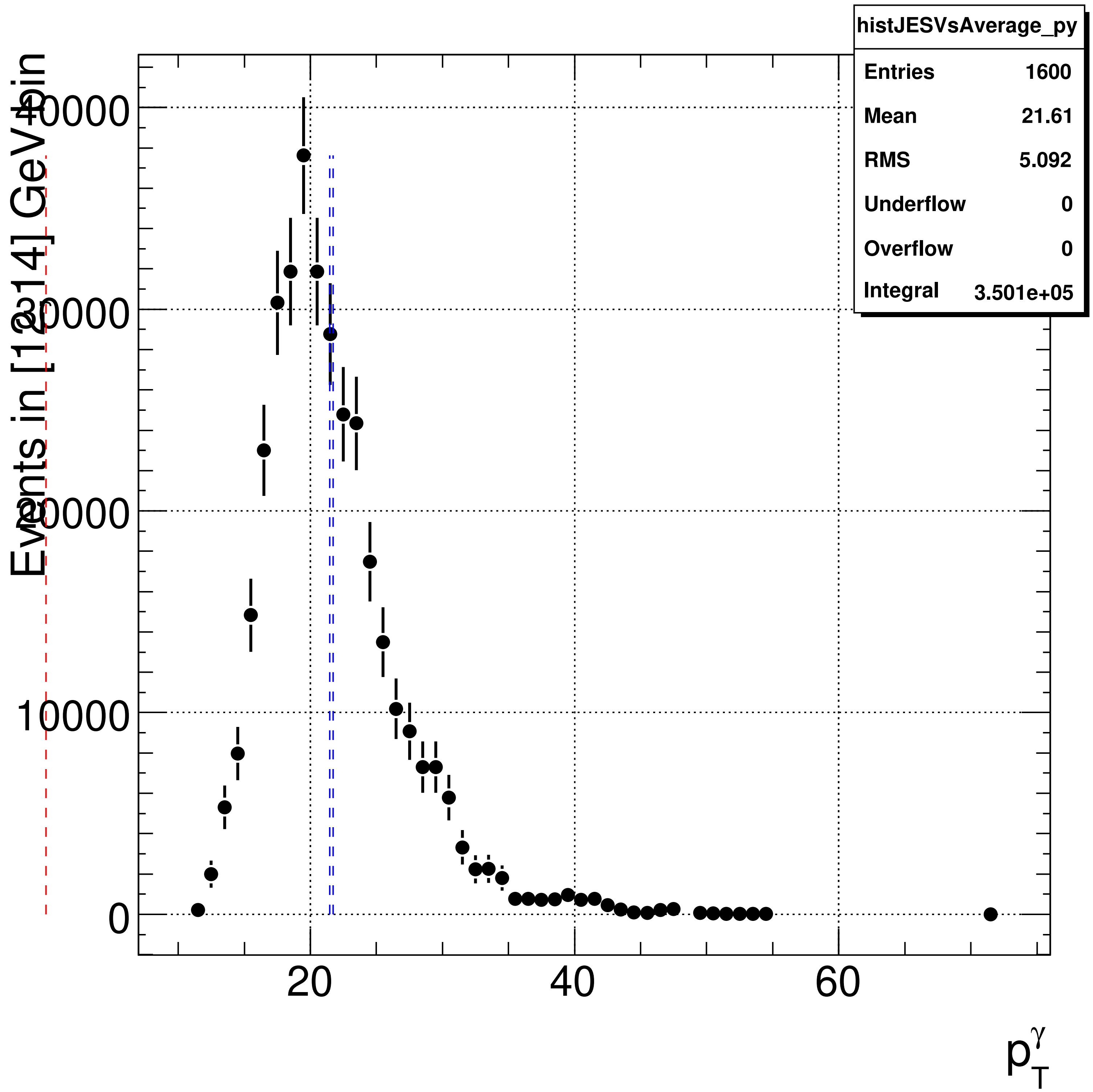
histJESVsAverage_py
Entries 44
Mean 1.009
RMS 0.1164
Underflow 0
Overflow 0
Integral 8.036
Events in [400,500] GeV bin
0
1
2
0.8
1.0
1.2
1.4
p_T^{corr}/p_T^{γ}



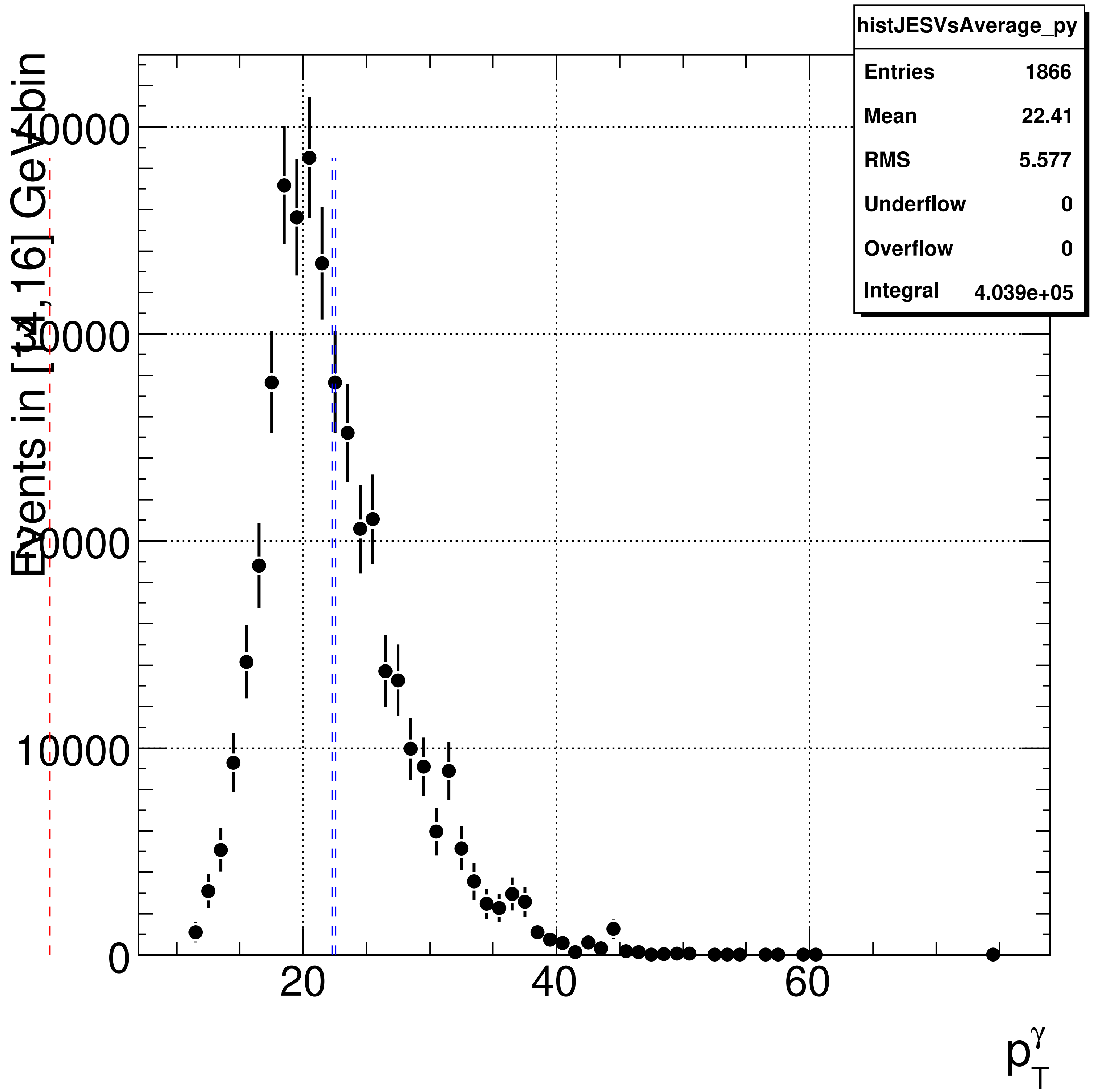
p_T^{corr}/p_T^{γ}
1.10
1.05
1.00
0
200
400
p_T^{Jet} [GeV]

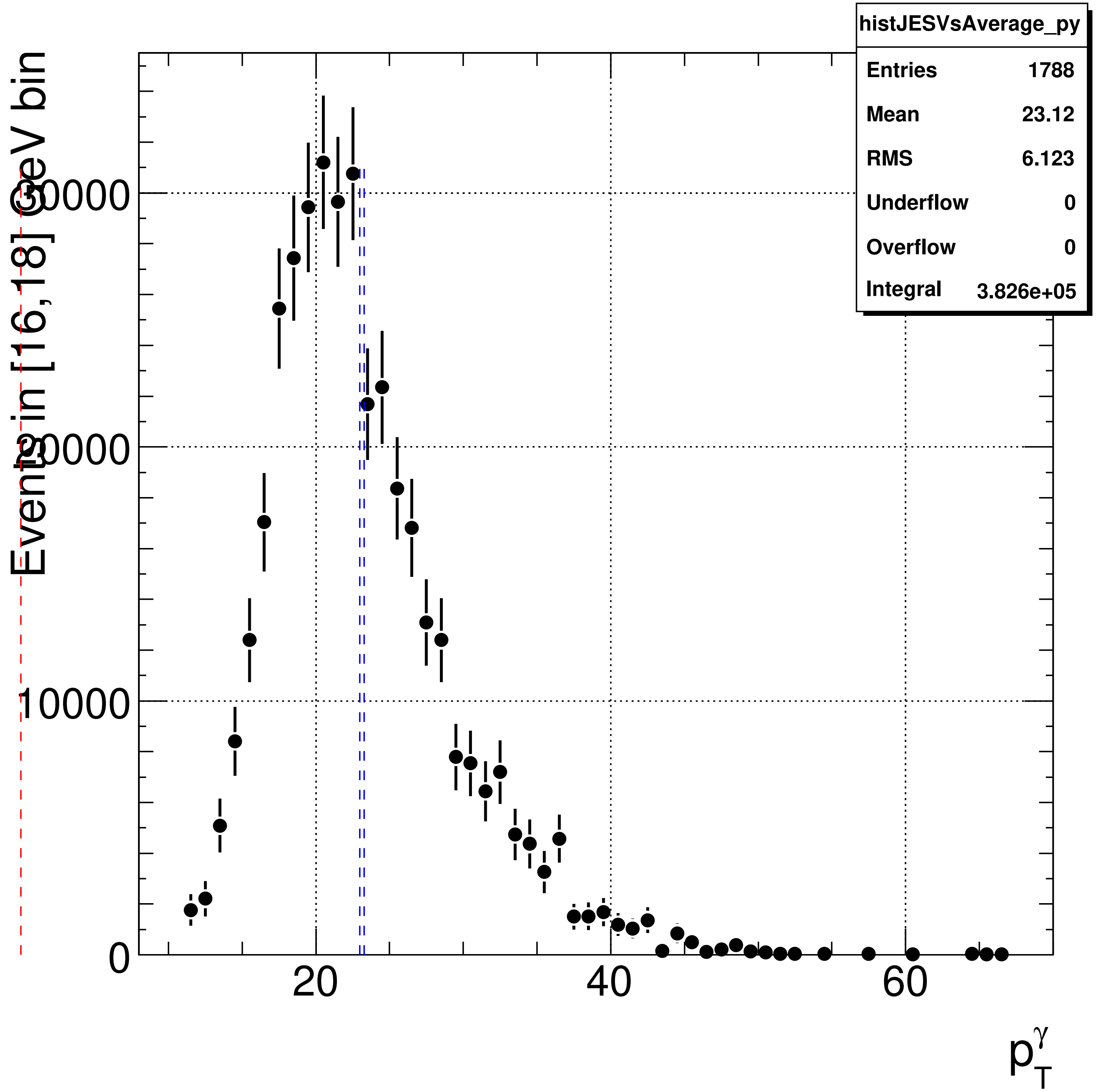


histJESVsAverage_py
Entries 1116
Mean 21.39
RMS 4.803
Underflow 0
Overflow 0
Integral 2.452e+05
Events in [10,12] GeV bin
0
10000
20000
30000
10
20
30
40
p_T^γ

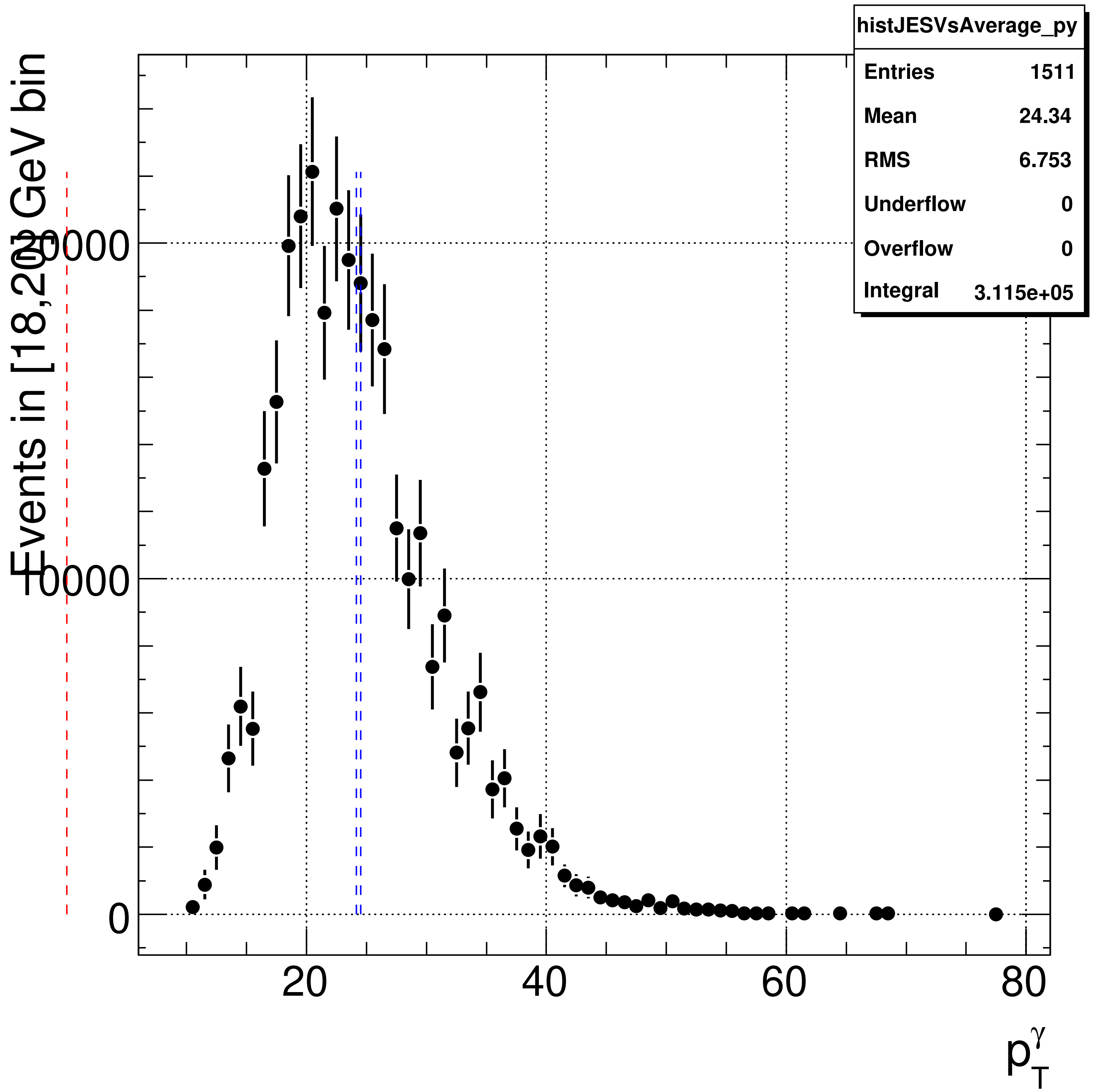


histJESVsAverage_py
Entries 1600
Mean 21.61
RMS 5.092
Underflow 0
Overflow 0
Integral 3.501e+05
Events in [12314] GeV+bin
0
10000
20000
30000
40000
20
40
60
p_T^γ

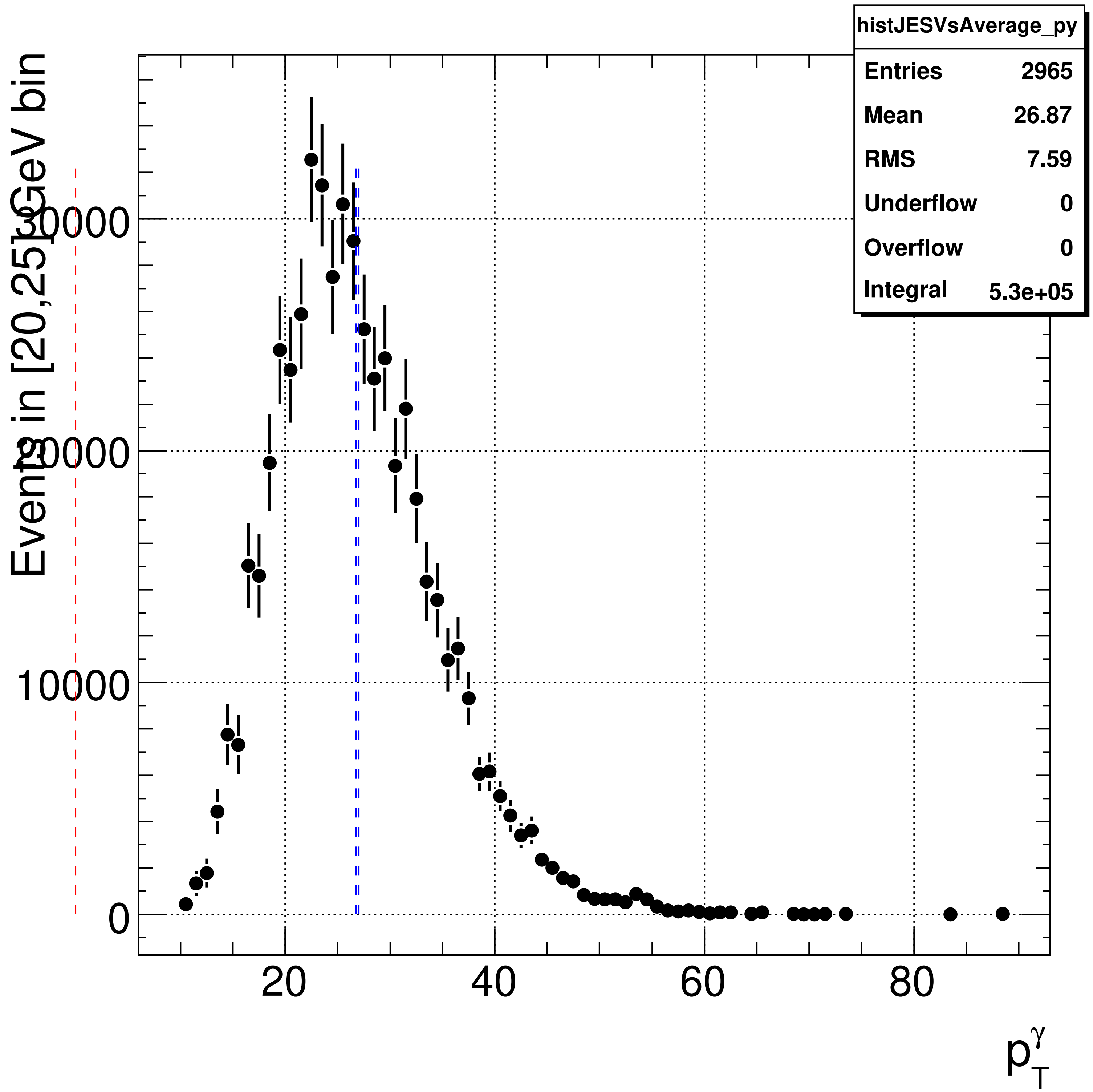

histJESVsAverage_py
Entries 1866
Mean 22.41
RMS 5.577
Underflow 0
Overflow 0
Integral 4.039e+05
Events in [14,16] GeV bin
0
10000
20000
30000
40000
20
40
60
p_T^γ



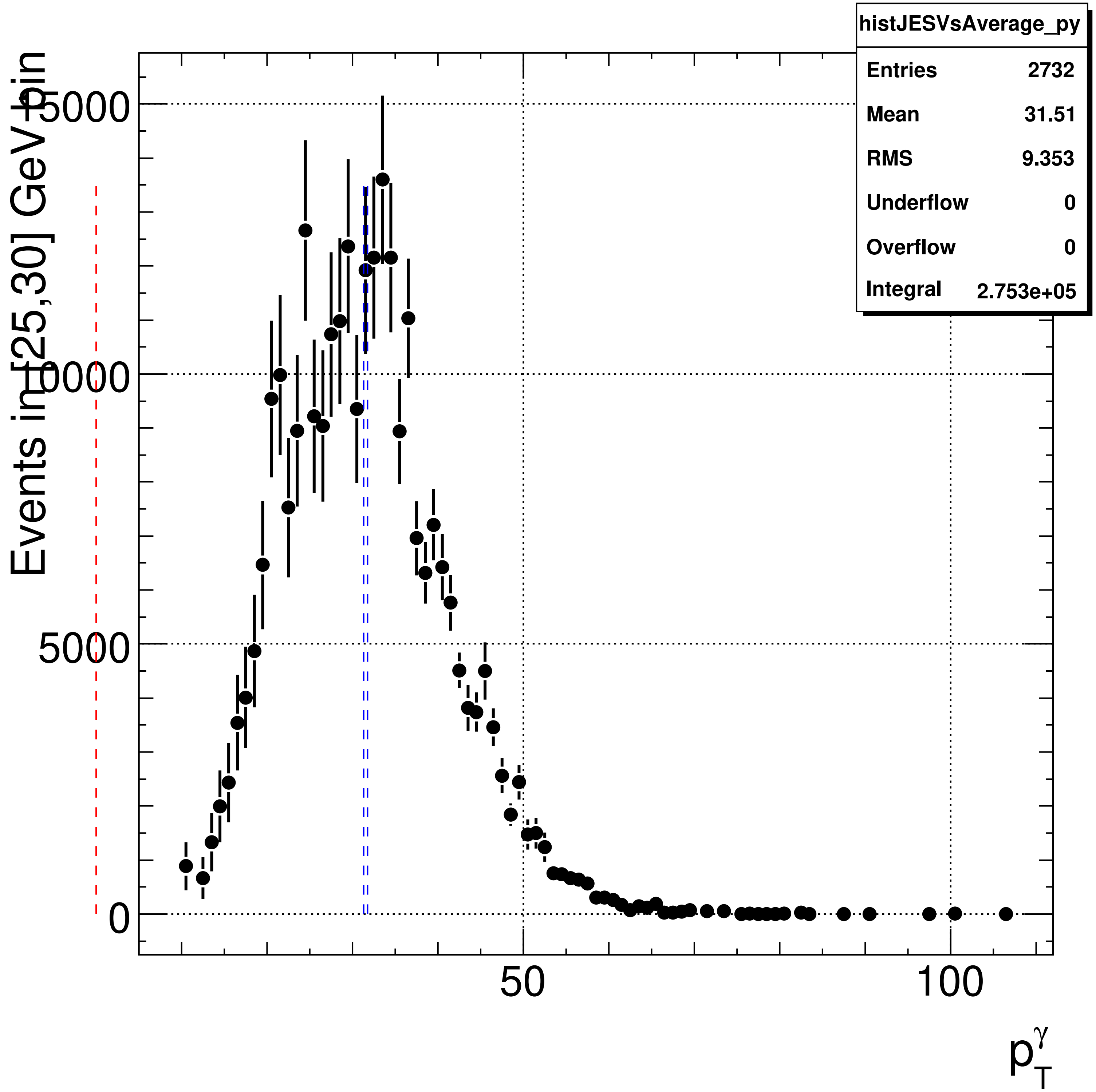
histJESVsAverage_py
Entries 1788
Mean 23.12
RMS 6.123
Underflow 0
Overflow 0
Integral 3.826e+05
Events in [16,18] GeV bin
0
10000
20000
30000
20
40
60
p_T^γ



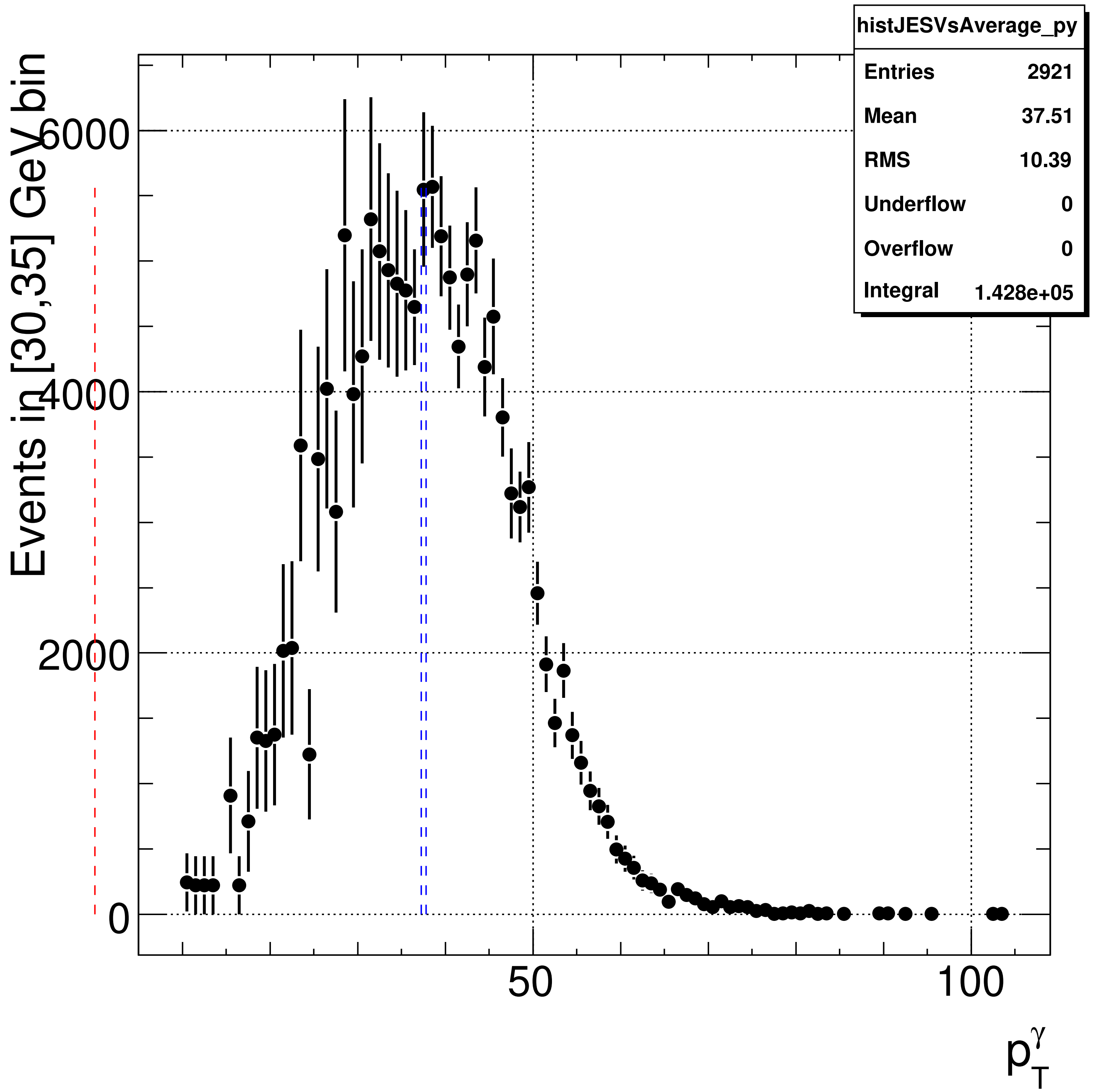
histJESVsAverage_py
Entries 1511
Mean 24.34
RMS 6.753
Underflow 0
Overflow 0
Integral 3.115e+05
Events in [18,20] GeV bin
20000
10000
0
20
40
60
80
p_T^γ



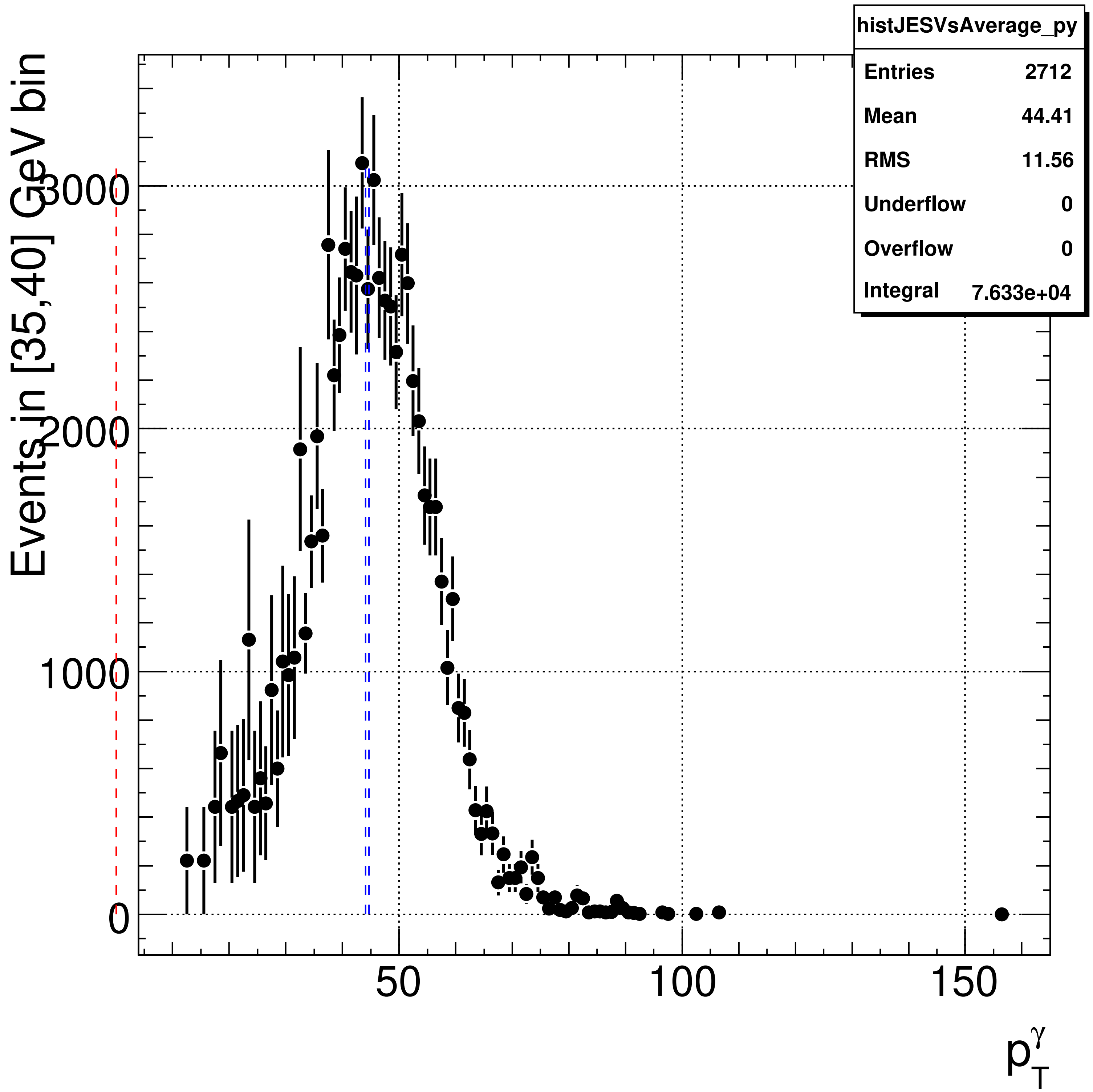
histJESVsAverage_py
Entries 2965
Mean 26.87
RMS 7.59
Underflow 0
Overflow 0
Integral 5.3e+05
Events in [20,25] GeV bin
0
10000
20000
30000
20
40
60
80
p_T^γ



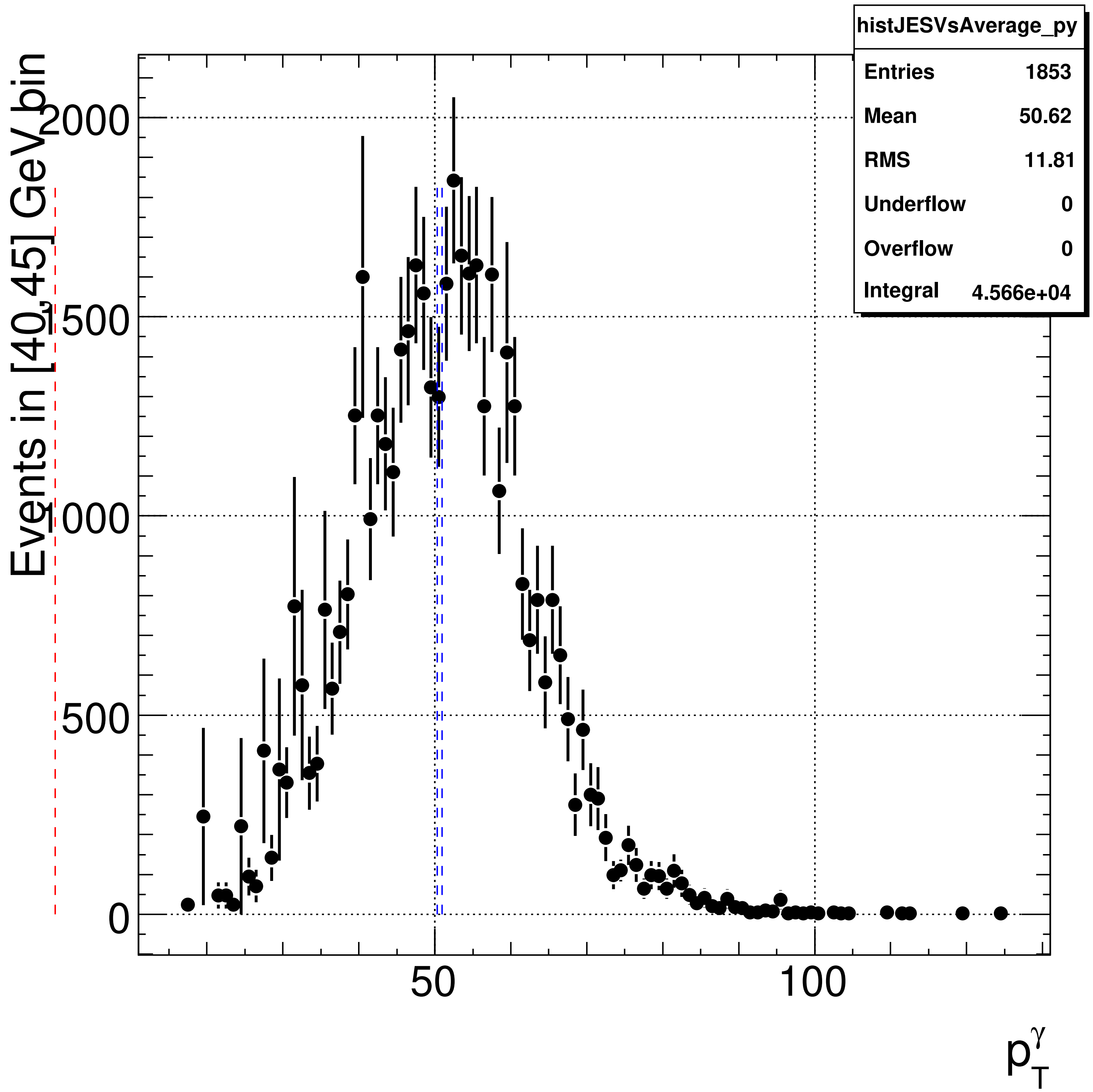
histJESVsAverage_py
Entries 2732
Mean 31.51
RMS 9.353
Underflow 0
Overflow 0
Integral 2.753e+05
Events in [25,30] GeV / bin
15000
10000
5000
0
50
100
p_T^γ



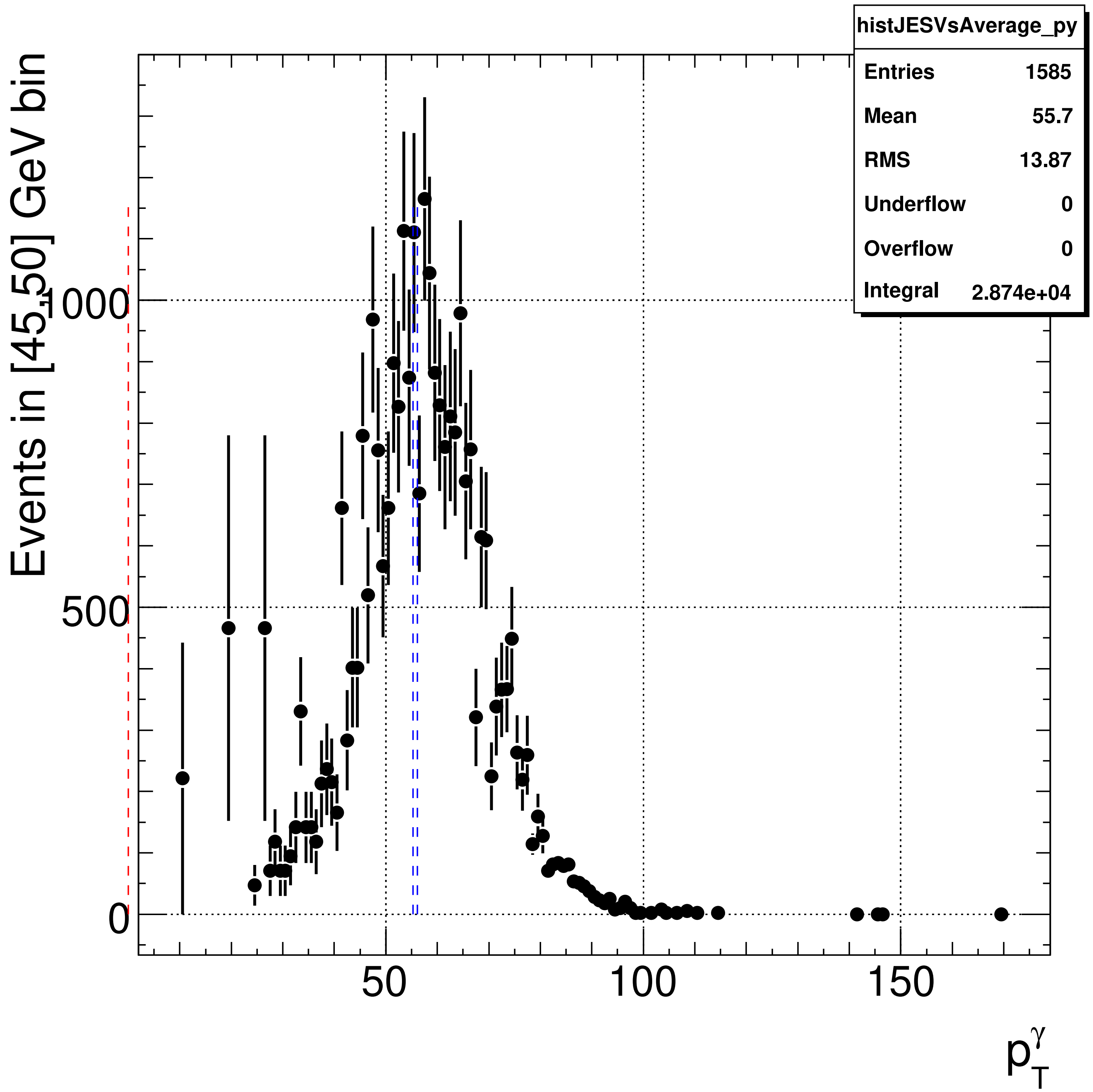
histJESVsAverage_py
Entries 2921
Mean 37.51
RMS 10.39
Underflow 0
Overflow 0
Integral 1.428e+05
Events in [30,35] GeV bin
6000
4000
2000
0
50
100
p_T^γ

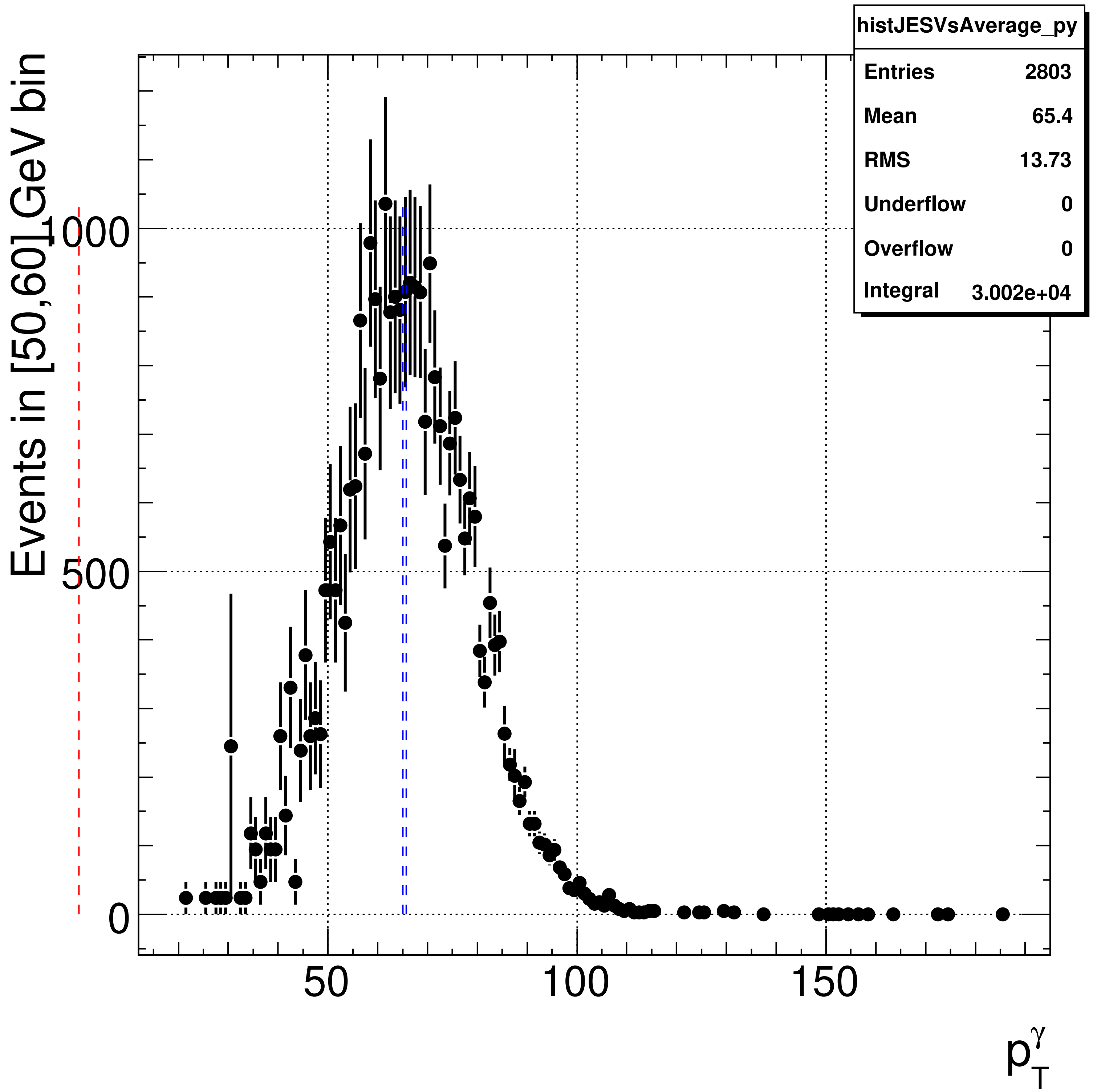


histJESVsAverage_py
Entries 2712
Mean 44.41
RMS 11.56
Underflow 0
Overflow 0
Integral 7.633e+04
Events in [35,40] GeV bin
0
1000
2000
3000
50
100
150
p_T^γ

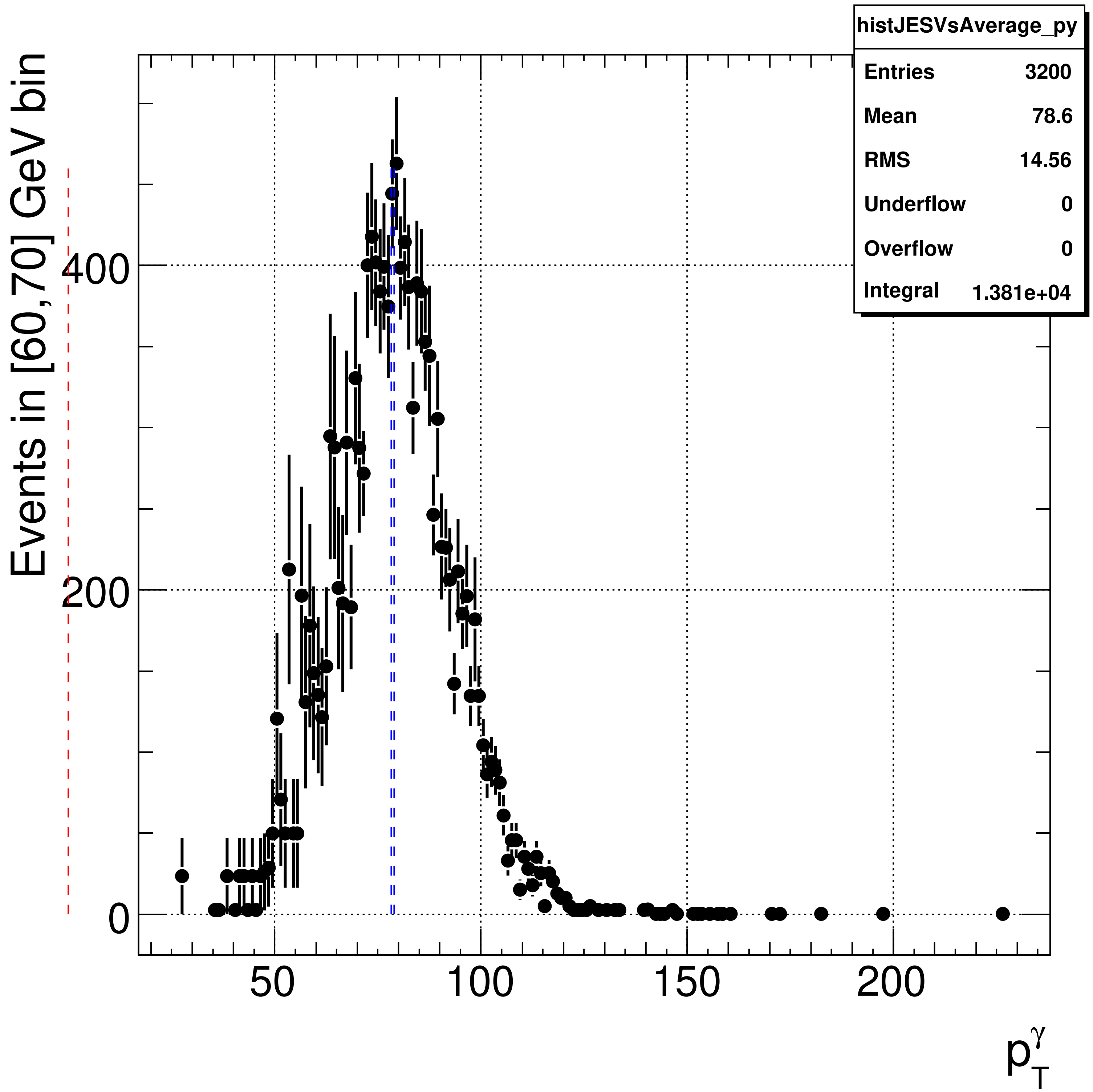


histJESVsAverage_py
Entries 1853
Mean 50.62
RMS 11.81
Underflow 0
Overflow 0
Integral 4.566e+04
Events in [40,45] GeV bin
0
500
1000
1500
2000
50
100
p_T^γ

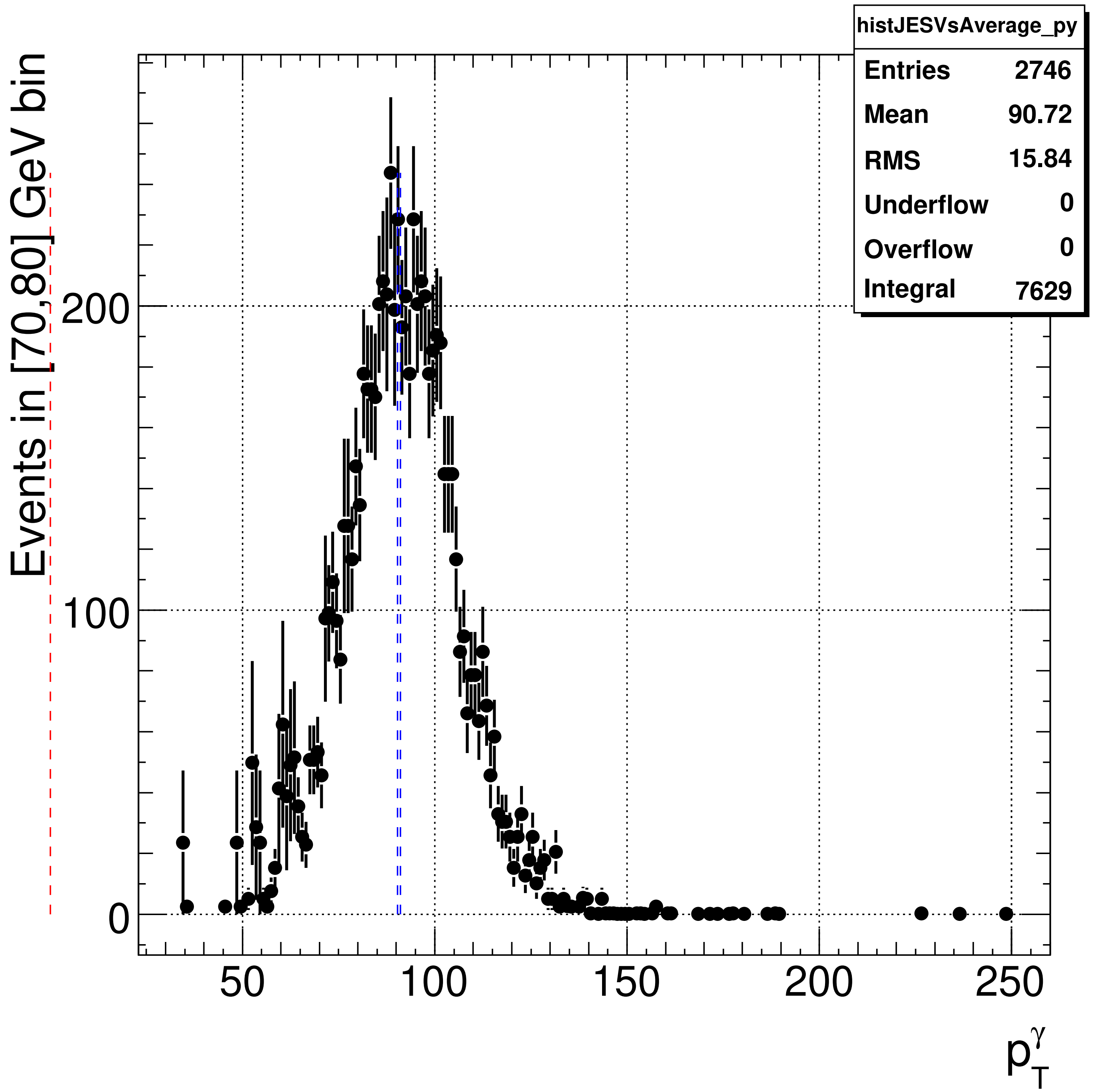

histJESVsAverage_py
Entries 1585
Mean 55.7
RMS 13.87
Underflow 0
Overflow 0
Integral 2.874e+04
Events in [45,50] GeV bin
1000
500
0
50
100
150
p_T^γ

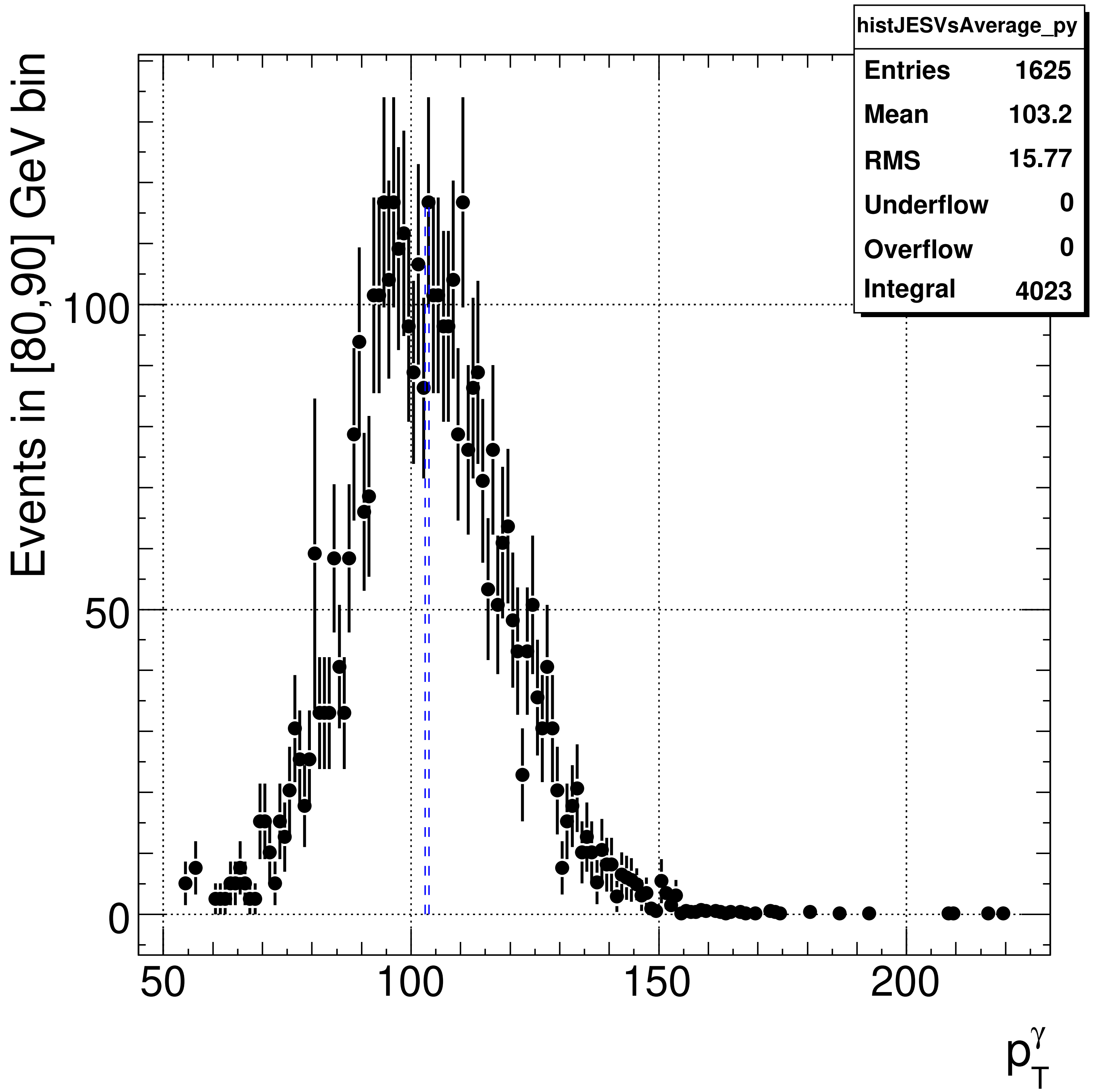


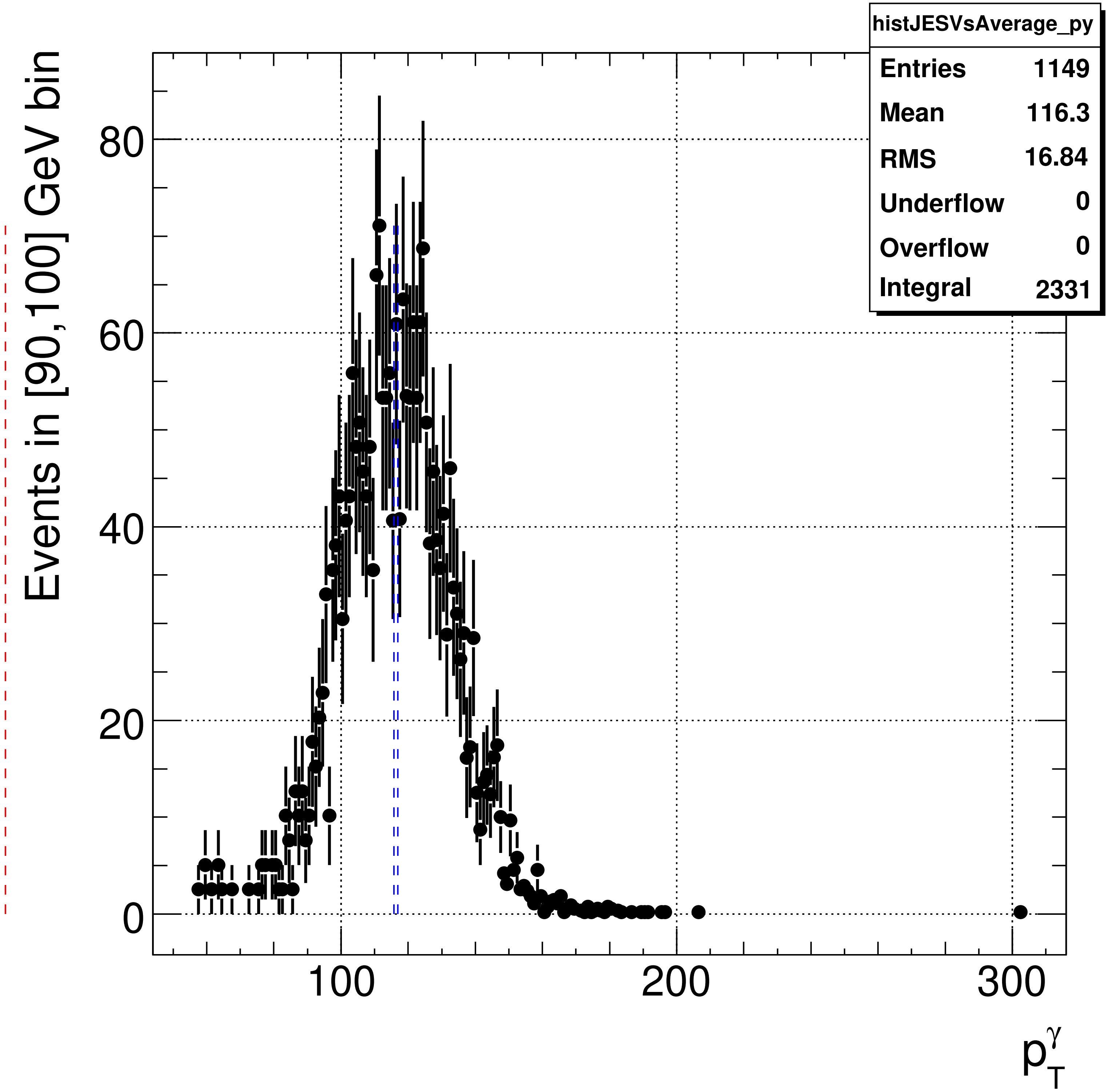
histJESVsAverage_py
Entries 2803
Mean 65.4
RMS 13.73
Underflow 0
Overflow 0
Integral 3.002e+04
Events in [50,60] GeV bin
1000
500
0
50
100
150
p_T^γ



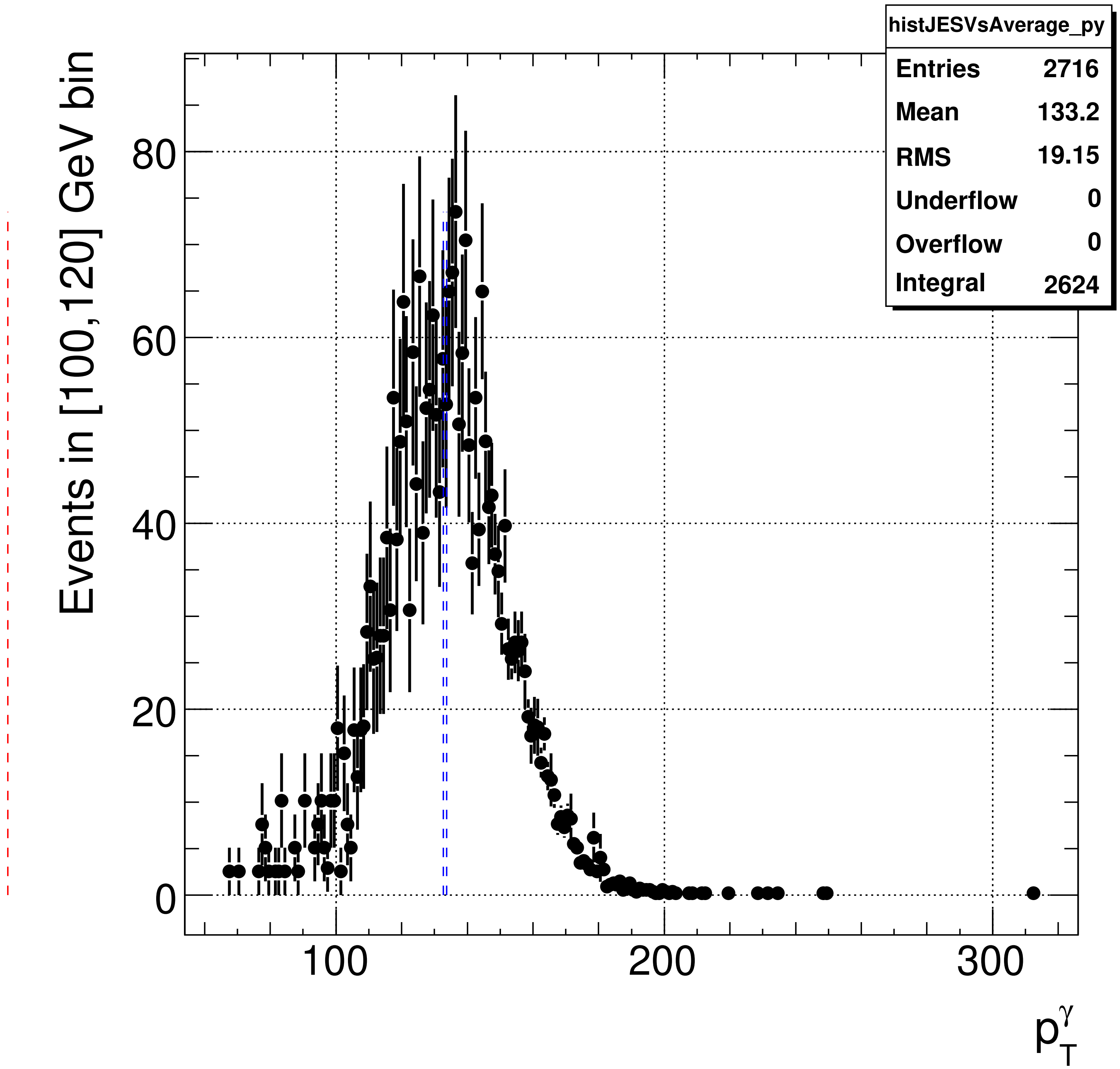
histJESVsAverage_py
Entries 3200
Mean 78.6
RMS 14.56
Underflow 0
Overflow 0
Integral 1.381e+04
Events in [60,70] GeV bin
400
200
0
50
100
150
200
p_T^γ


histJESVsAverage_py
Entries 2746
Mean 90.72
RMS 15.84
Underflow 0
Overflow 0
Integral 7629
Events in [70,80] GeV bin
0
100
200
50
100
150
200
250
p_T^γ

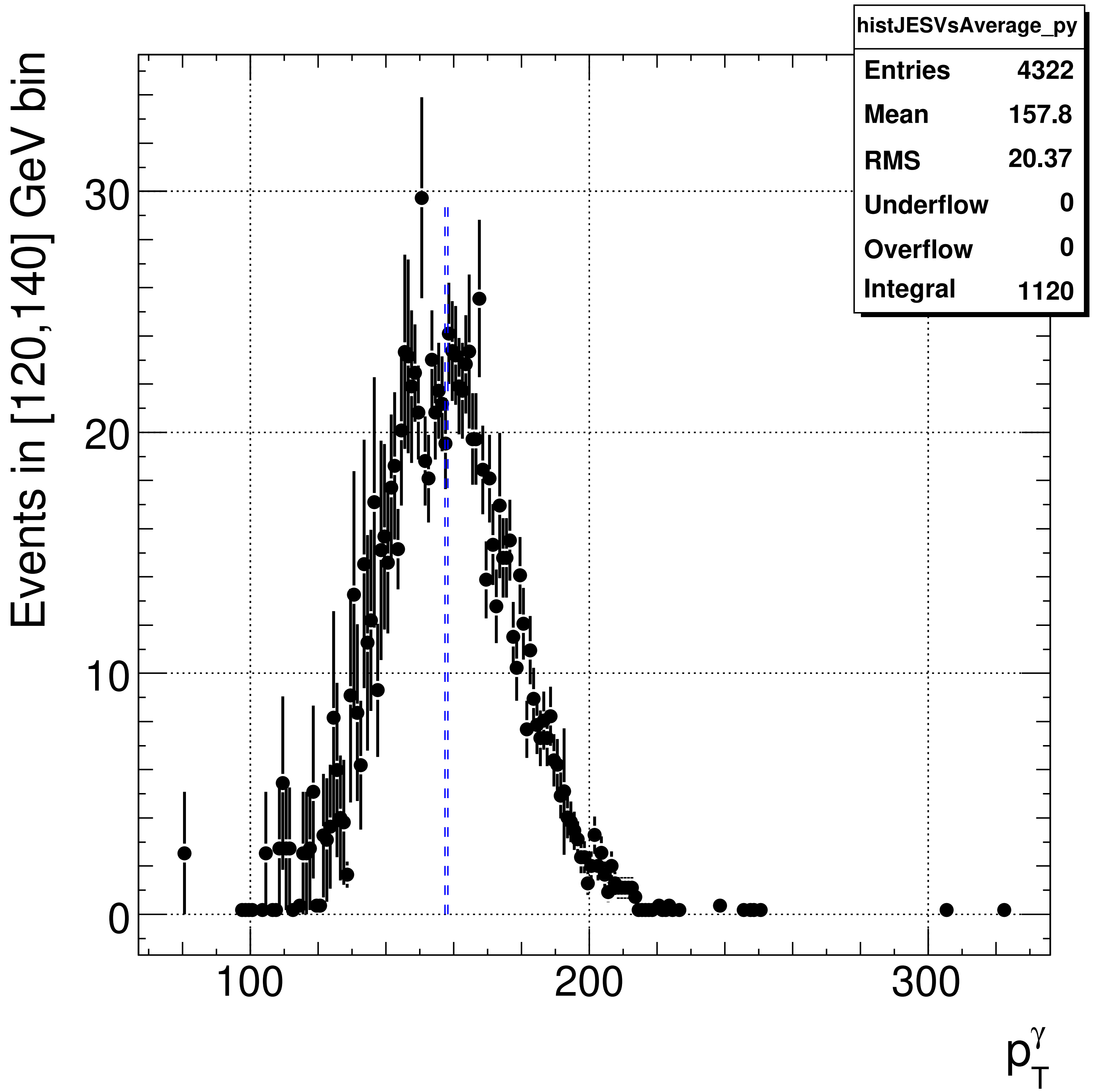

histJESVsAverage_py
Entries 1625
Mean 103.2
RMS 15.77
Underflow 0
Overflow 0
Integral 4023
Events in [80,90] GeV bin
0
50
100
50
100
150
200
p_T^γ



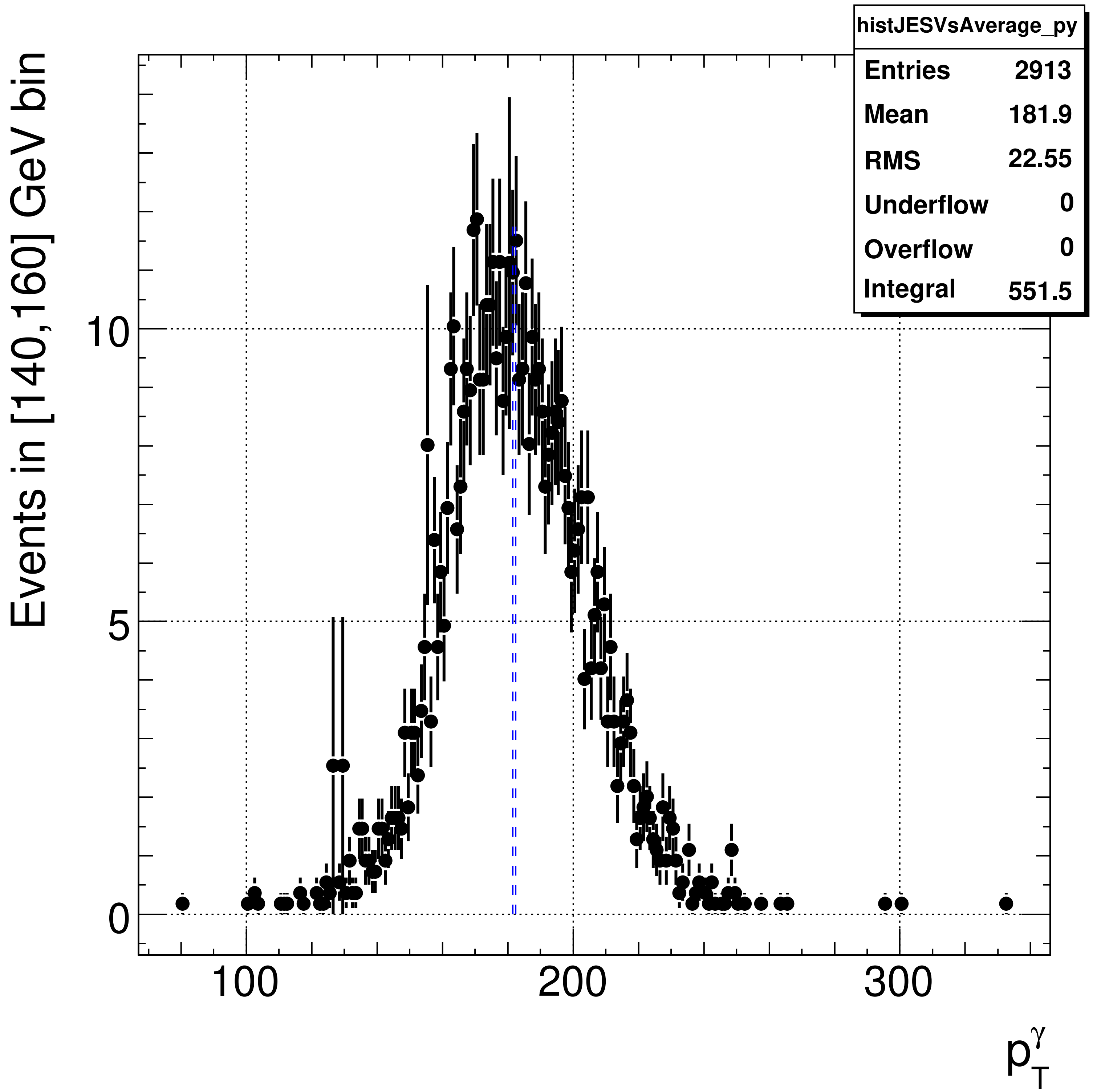
histJESVsAverage_py
Entries 1149
Mean 116.3
RMS 16.84
Underflow 0
Overflow 0
Integral 2331
Events in [90,100] GeV bin
80
60
40
20
0
100
200
300
p_T^γ



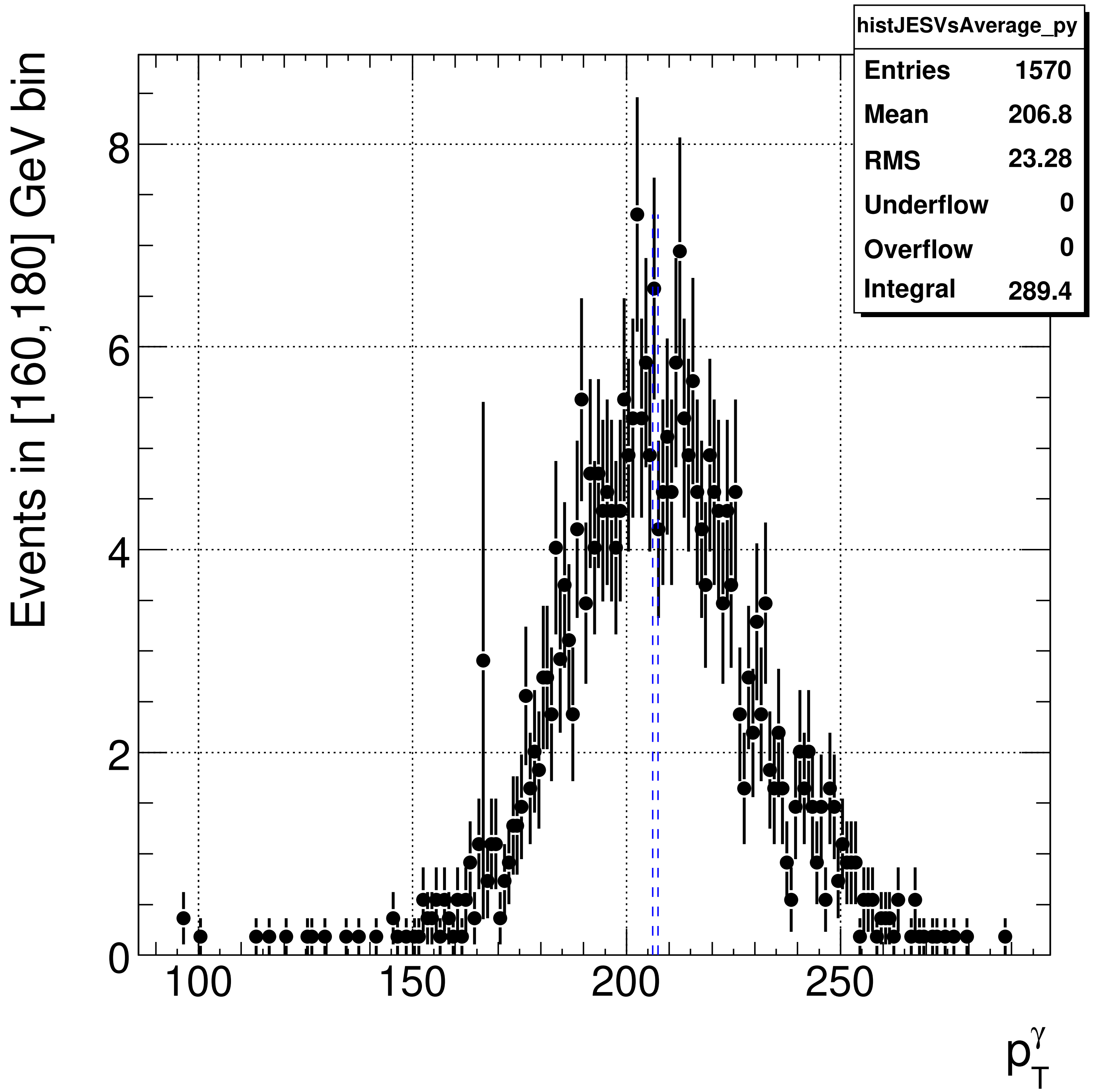
histJESVsAverage_py
Entries 2716
Mean 133.2
RMS 19.15
Underflow 0
Overflow 0
Integral 2624
Events in [100,120] GeV bin
0
20
40
60
80
100
200
300
p_T^γ

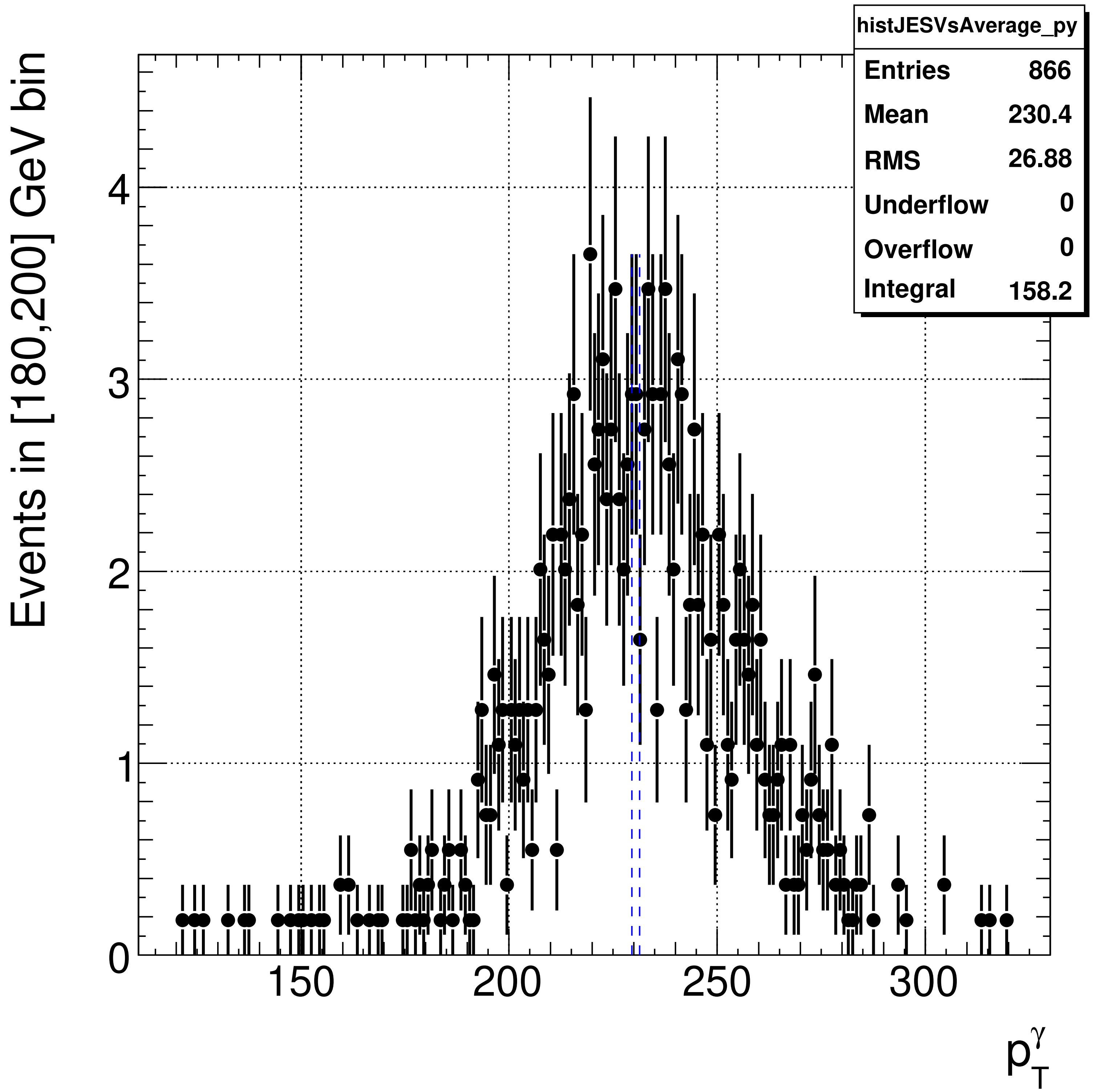


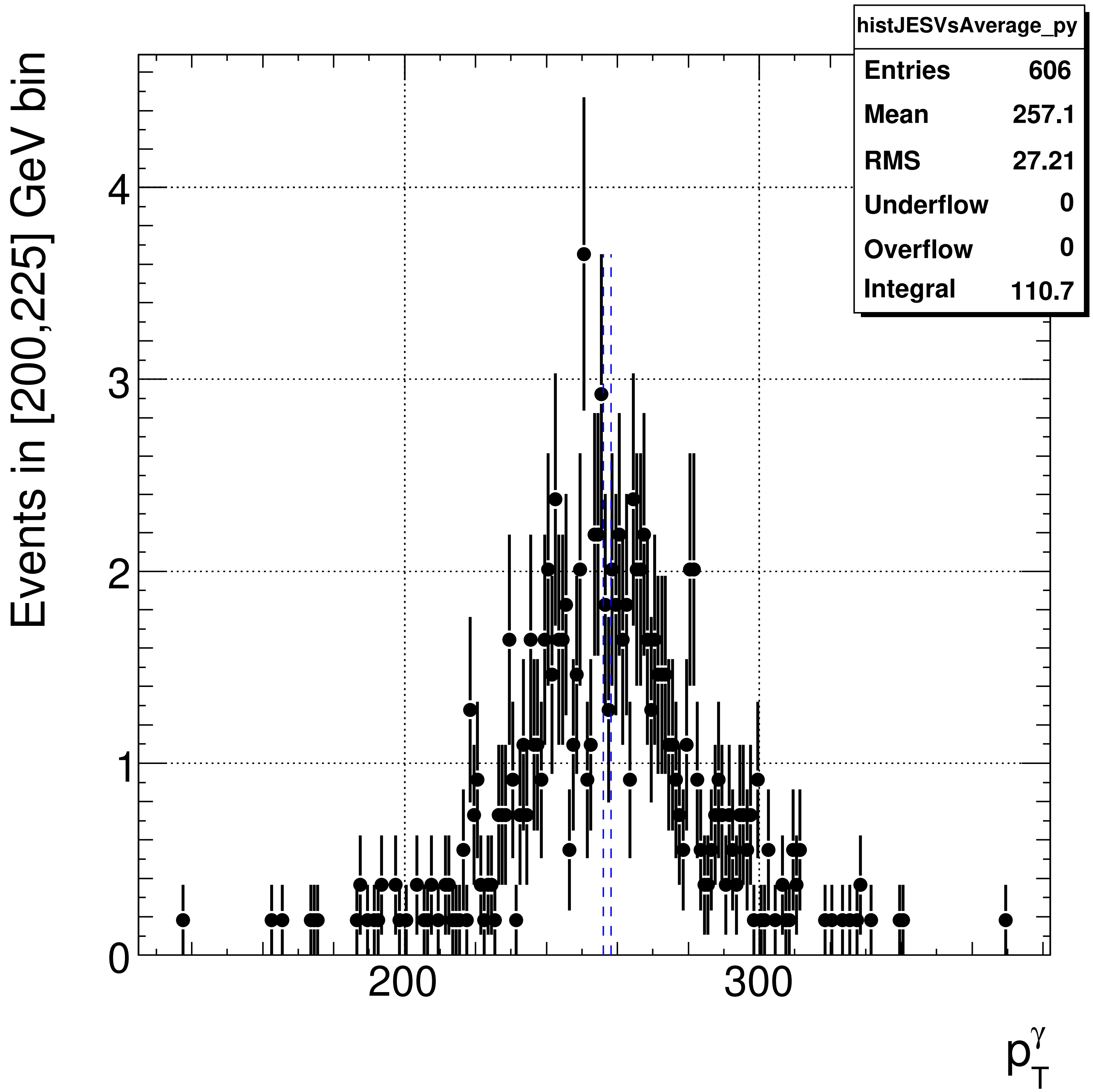
histJESVsAverage_py
Entries 4322
Mean 157.8
RMS 20.37
Underflow 0
Overflow 0
Integral 1120
Events in [120,140] GeV bin
0
10
20
30
100
200
300
p_T^γ



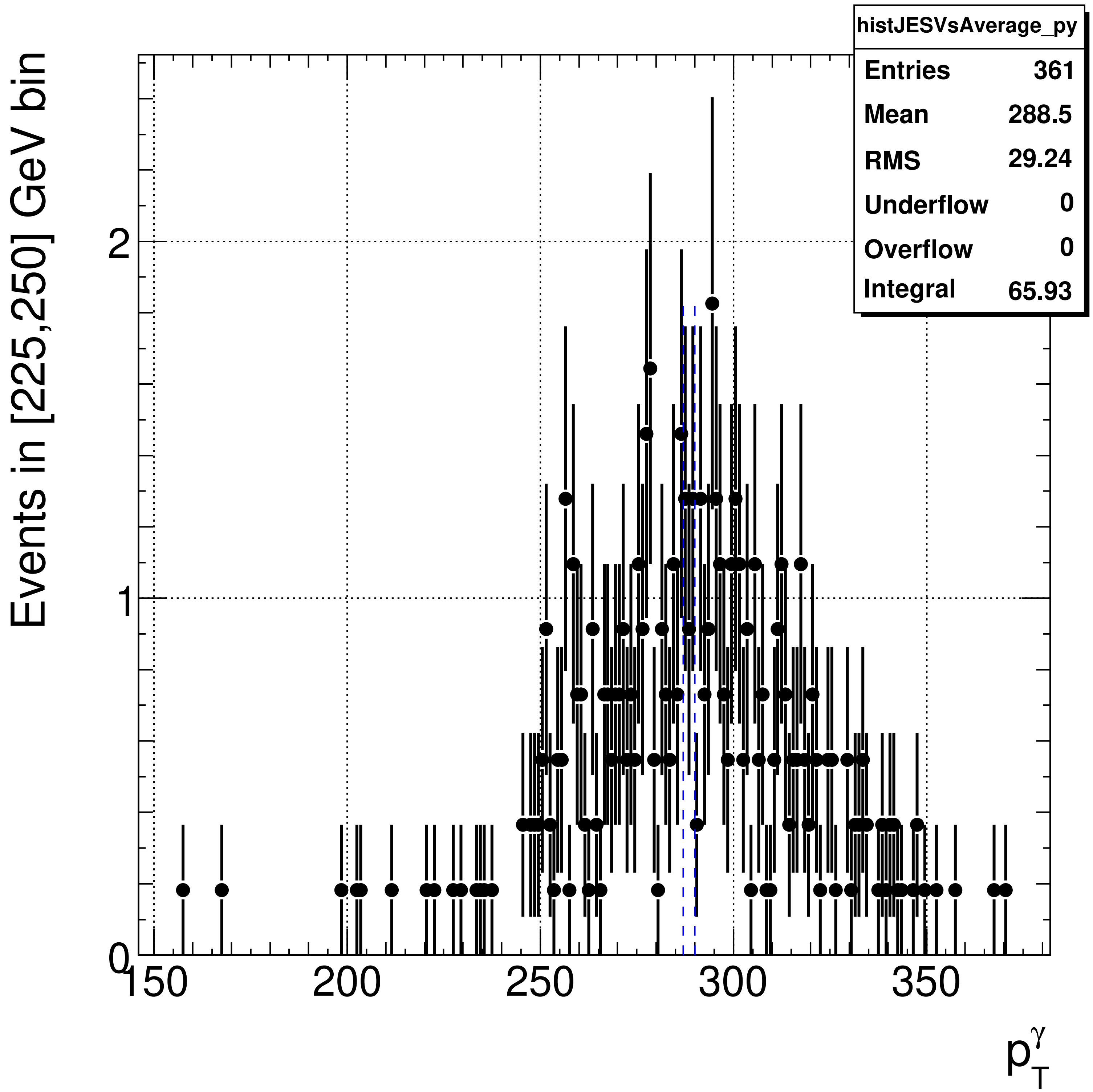
histJESVsAverage_py
Entries 2913
Mean 181.9
RMS 22.55
Underflow 0
Overflow 0
Integral 551.5
Events in [140,160] GeV bin
0
5
10
100
200
300
p_T^γ

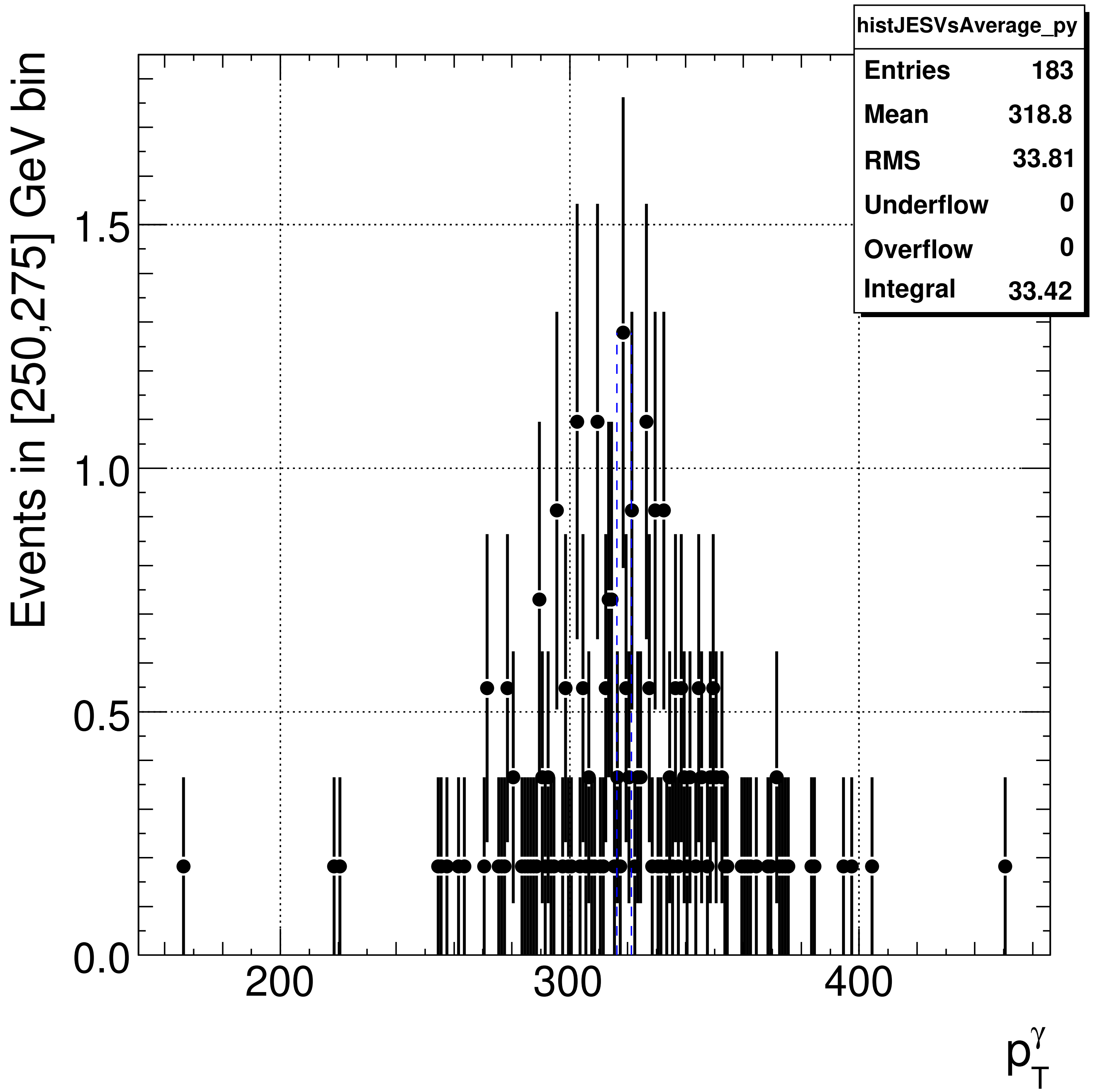

histJESVsAverage_py
Entries 1570
Mean 206.8
RMS 23.28
Underflow 0
Overflow 0
Integral 289.4
Events in [160,180] GeV bin
0
2
4
6
8
100
150
200
250
p_T^γ


histJESVsAverage_py
Entries 866
Mean 230.4
RMS 26.88
Underflow 0
Overflow 0
Integral 158.2
Events in [180,200] GeV bin
0
1
2
3
4
150
200
250
300
p_T^{γ}

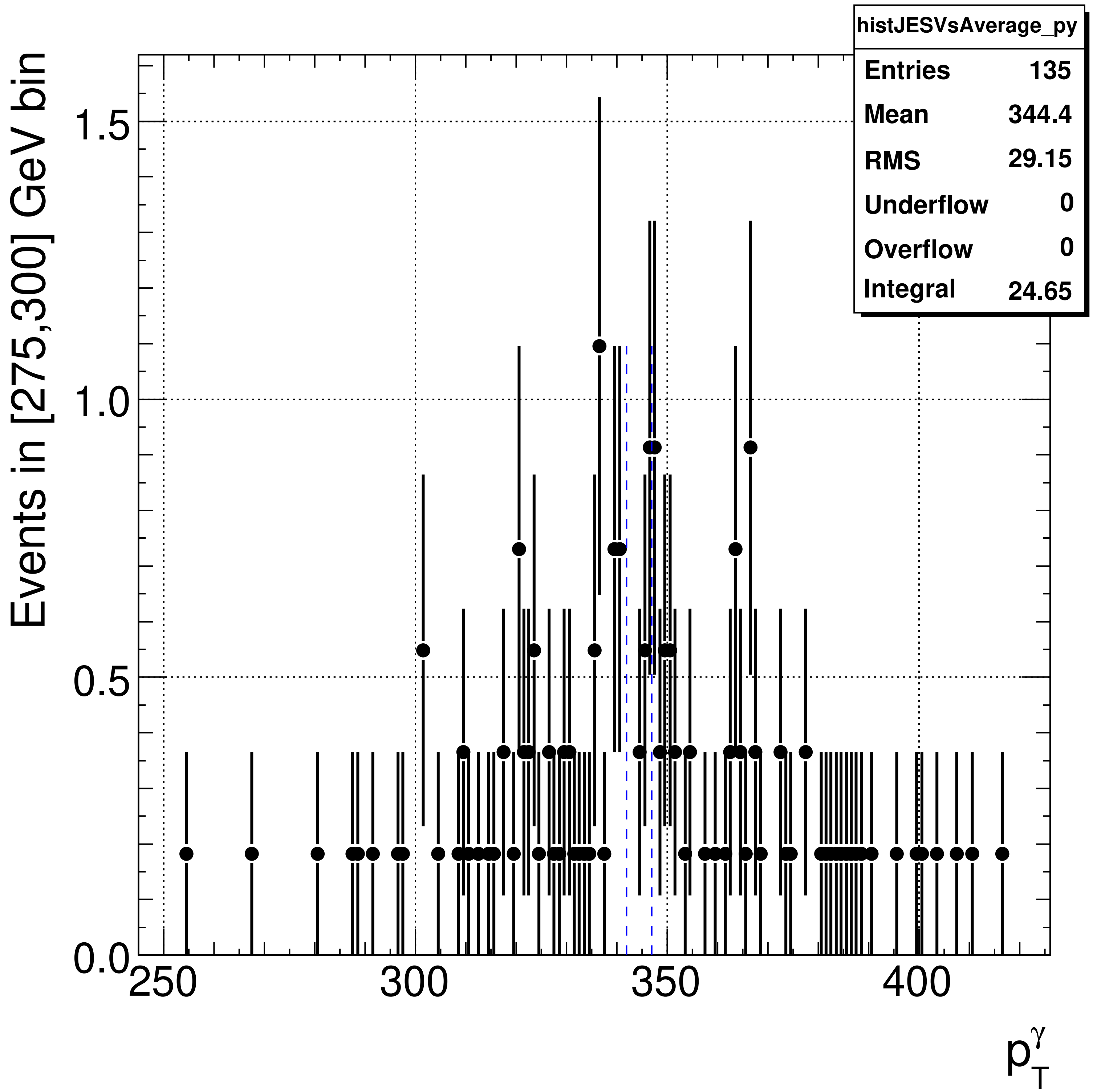


histJESVsAverage_py
Entries 606
Mean 257.1
RMS 27.21
Underflow 0
Overflow 0
Integral 110.7
Events in [200,225] GeV bin
0
1
2
3
4
200
300
p_T^γ

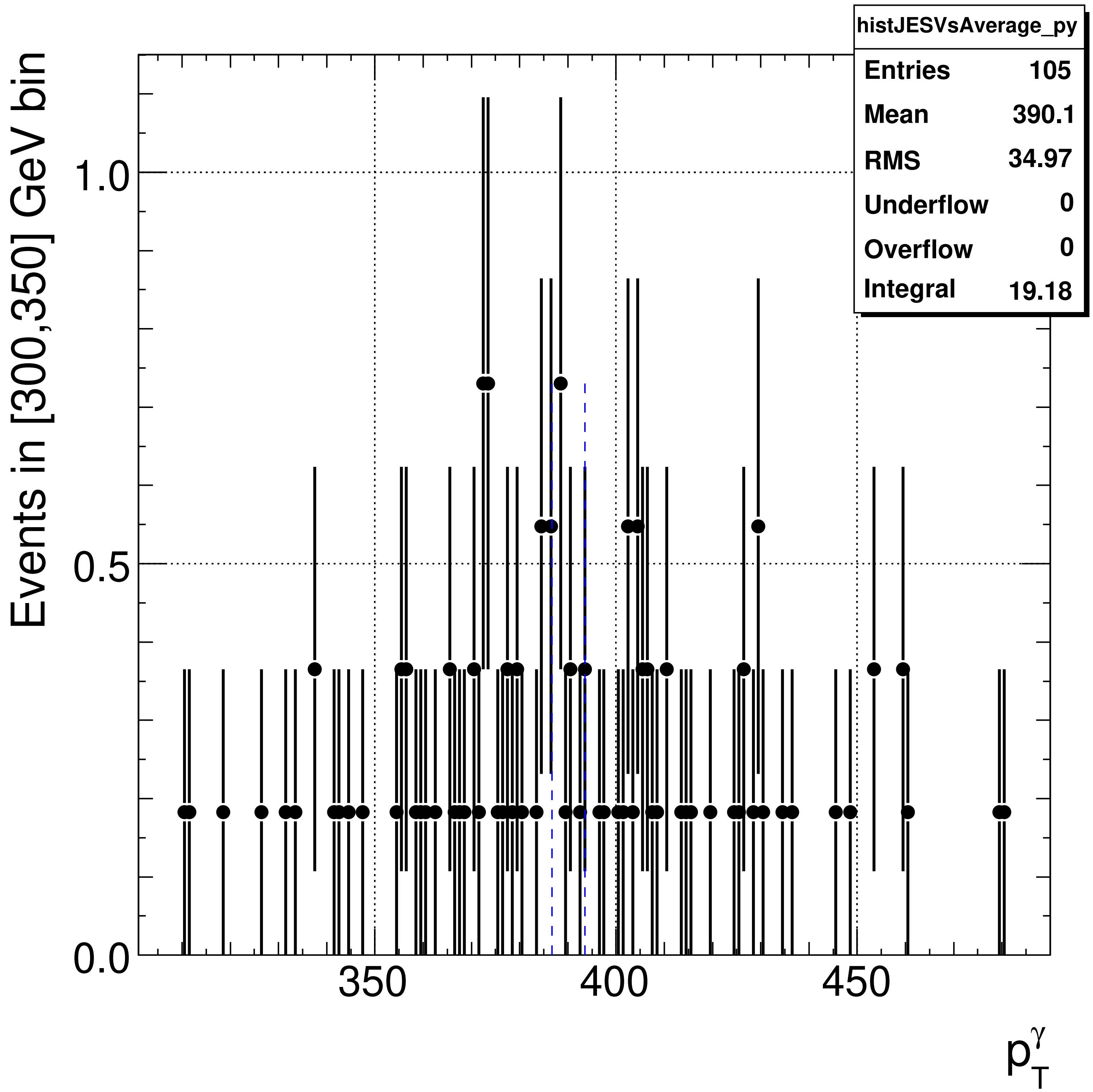

histJESVsAverage_py
Entries 361
Mean 288.5
RMS 29.24
Underflow 0
Overflow 0
Integral 65.93
Events in [225,250] GeV bin
0
1
2
150
200
250
300
350
p_T^γ

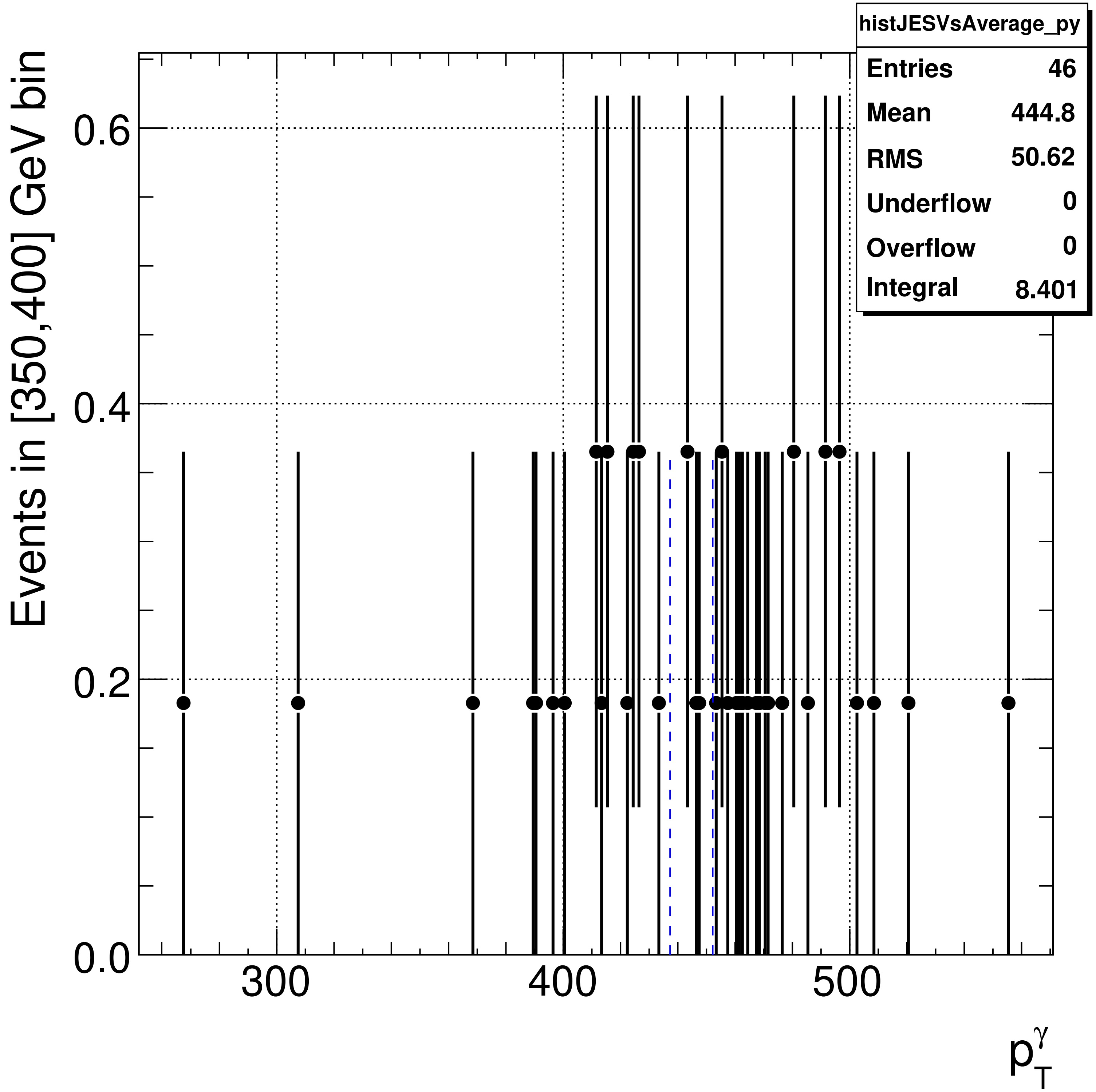


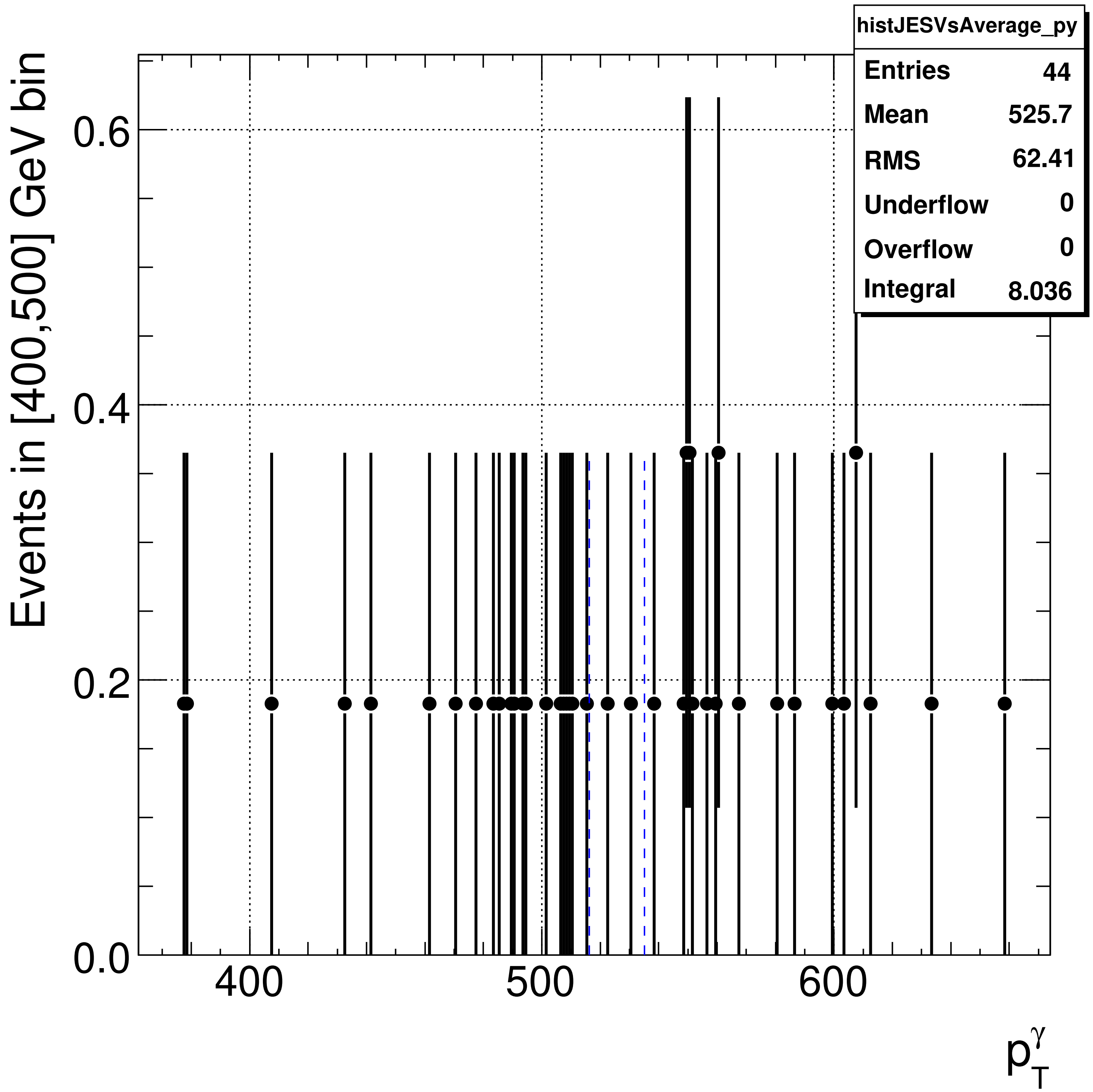
histJESVsAverage_py
Entries 183
Mean 318.8
RMS 33.81
Underflow 0
Overflow 0
Integral 33.42
Events in [250,275] GeV bin
0.0
0.5
1.0
1.5
200
300
400
p_T^γ



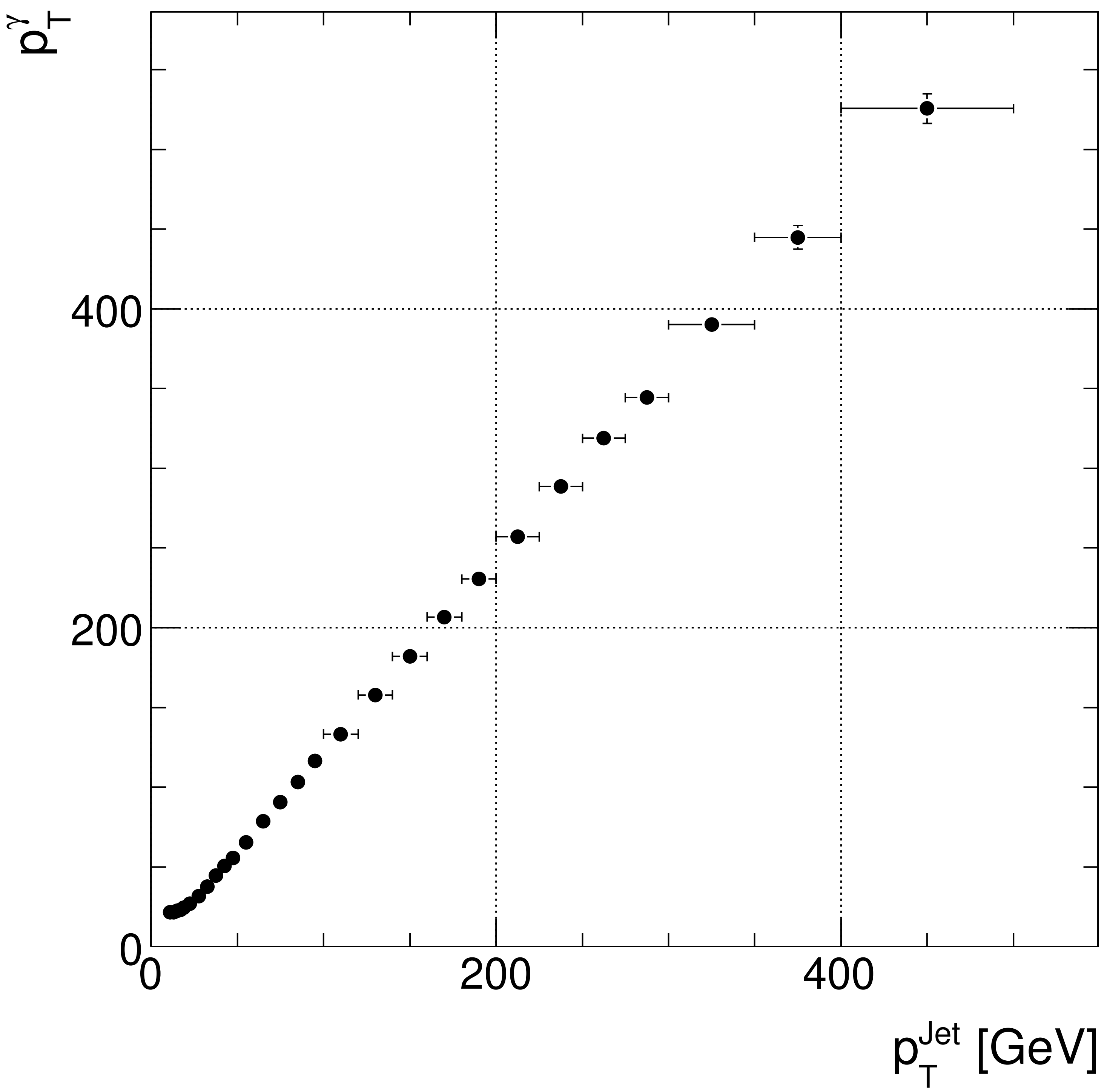
histJESVsAverage_py
Entries 135
Mean 344.4
RMS 29.15
Underflow 0
Overflow 0
Integral 24.65
Events in [275,300] GeV bin
0.0
0.5
1.0
1.5
250
300
350
400
p_T^γ


histJESVsAverage_py
Entries 105
Mean 390.1
RMS 34.97
Underflow 0
Overflow 0
Integral 19.18
Events in [300,350] GeV bin
1.0
0.5
0.0
350
400
450
p_T^γ

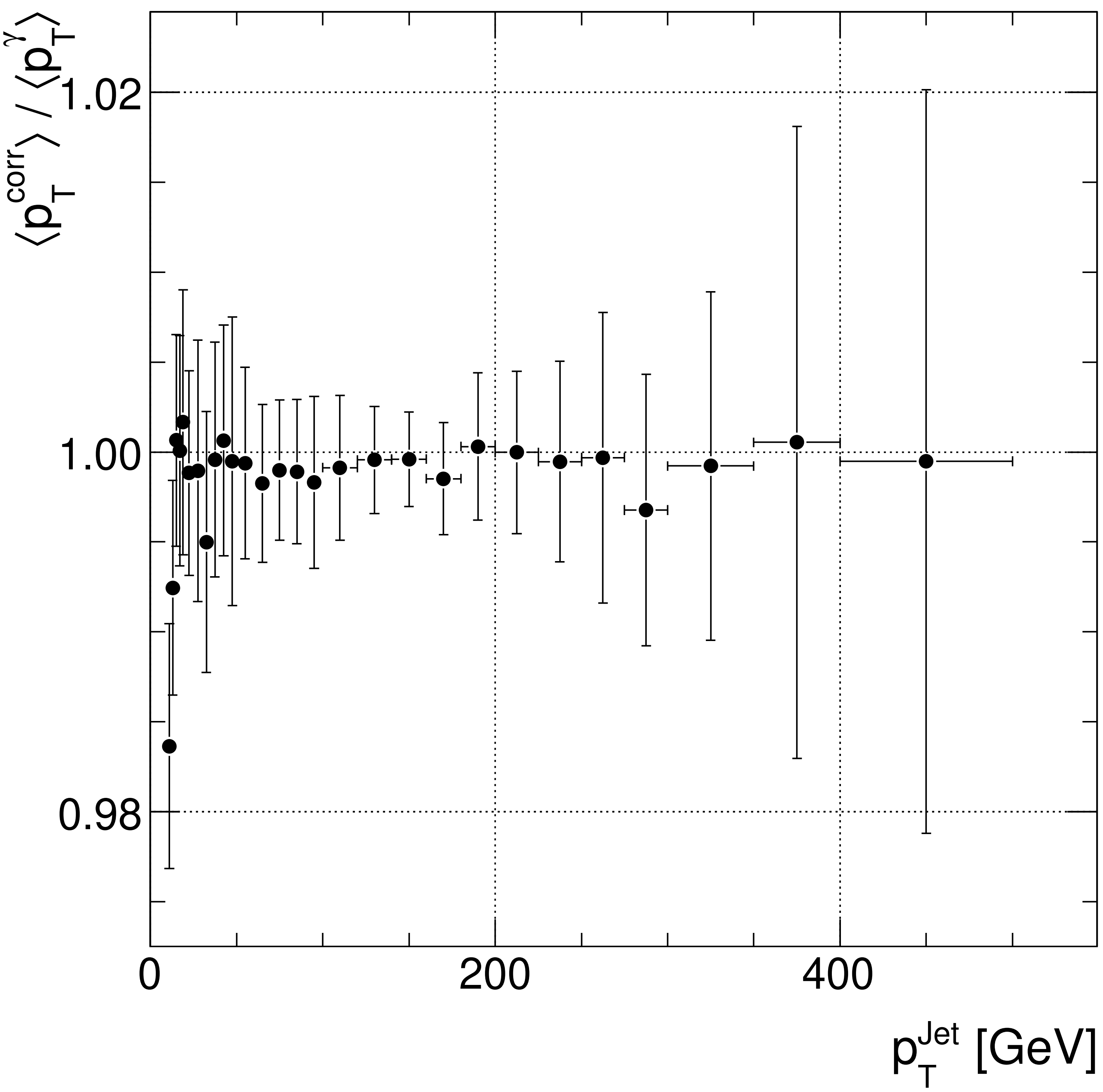

histJESVsAverage_py
Entries 46
Mean 444.8
RMS 50.62
Underflow 0
Overflow 0
Integral 8.401
Events in [350,400] GeV bin
0.0
0.2
0.4
0.6
300
400
500
p_T^γ



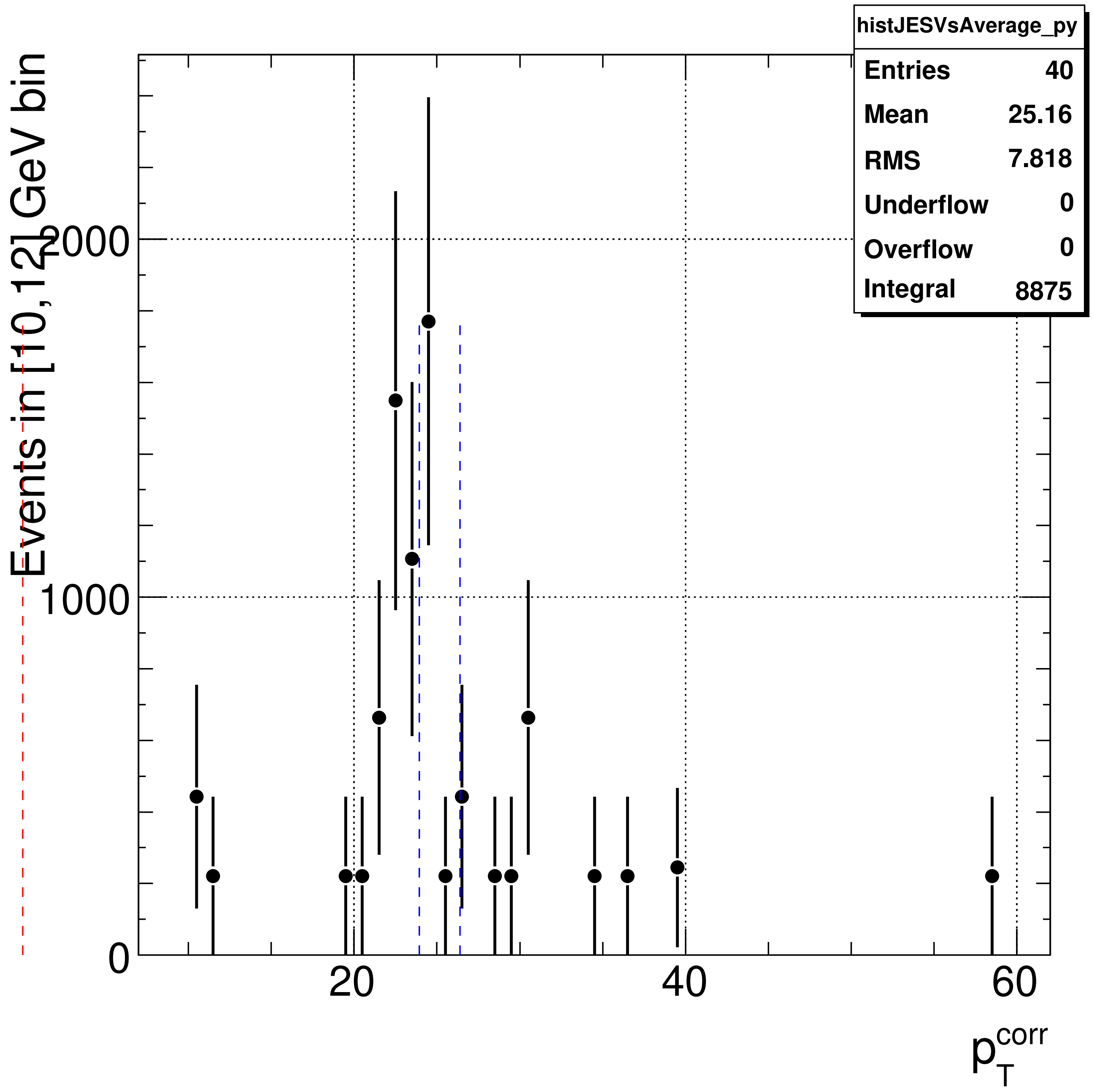
histJESVsAverage_py
Entries 44
Mean 525.7
RMS 62.41
Underflow 0
Overflow 0
Integral 8.036
Events in [400,500] GeV bin
0.0
0.2
0.4
0.6
400
500
600
p_T^γ

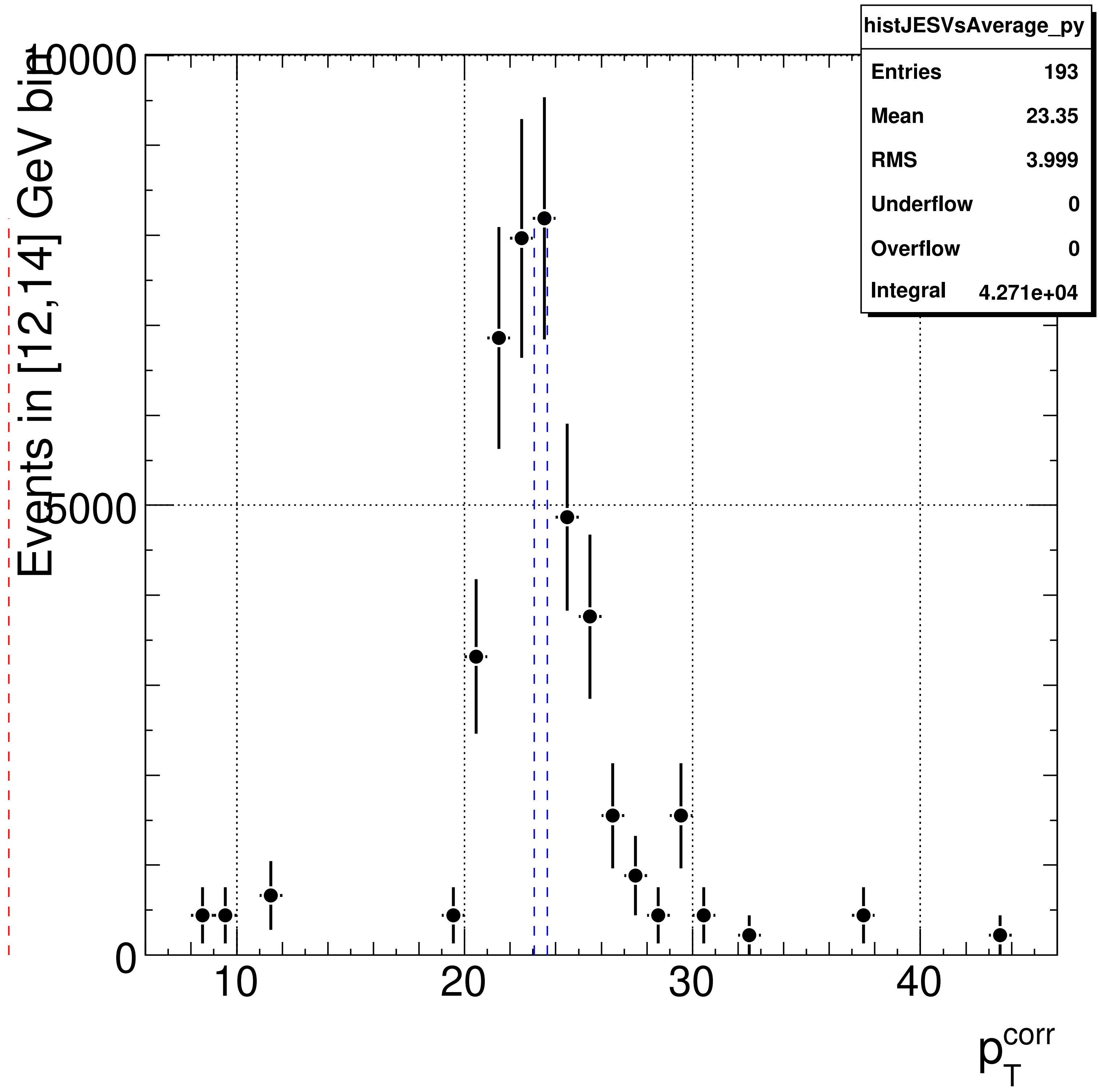


p_T^γ
0
200
400
0
200
400
p_T^{Jet} [GeV]

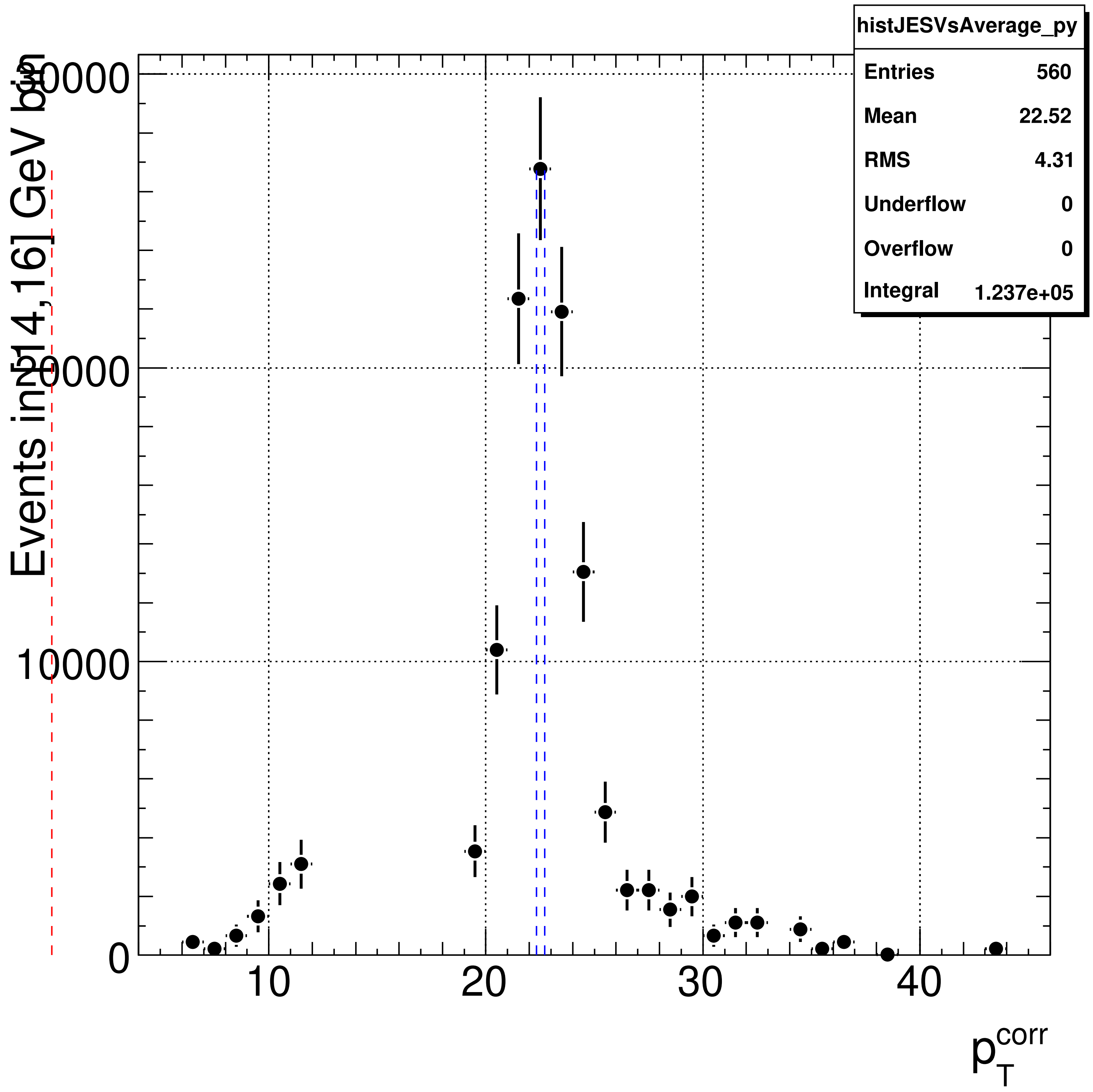


$\langle p_T^{corr} \rangle / \langle p_T^{\gamma} \rangle$
1.02
1.00
0.98
0
200
400
p_T^{Jet} [GeV]

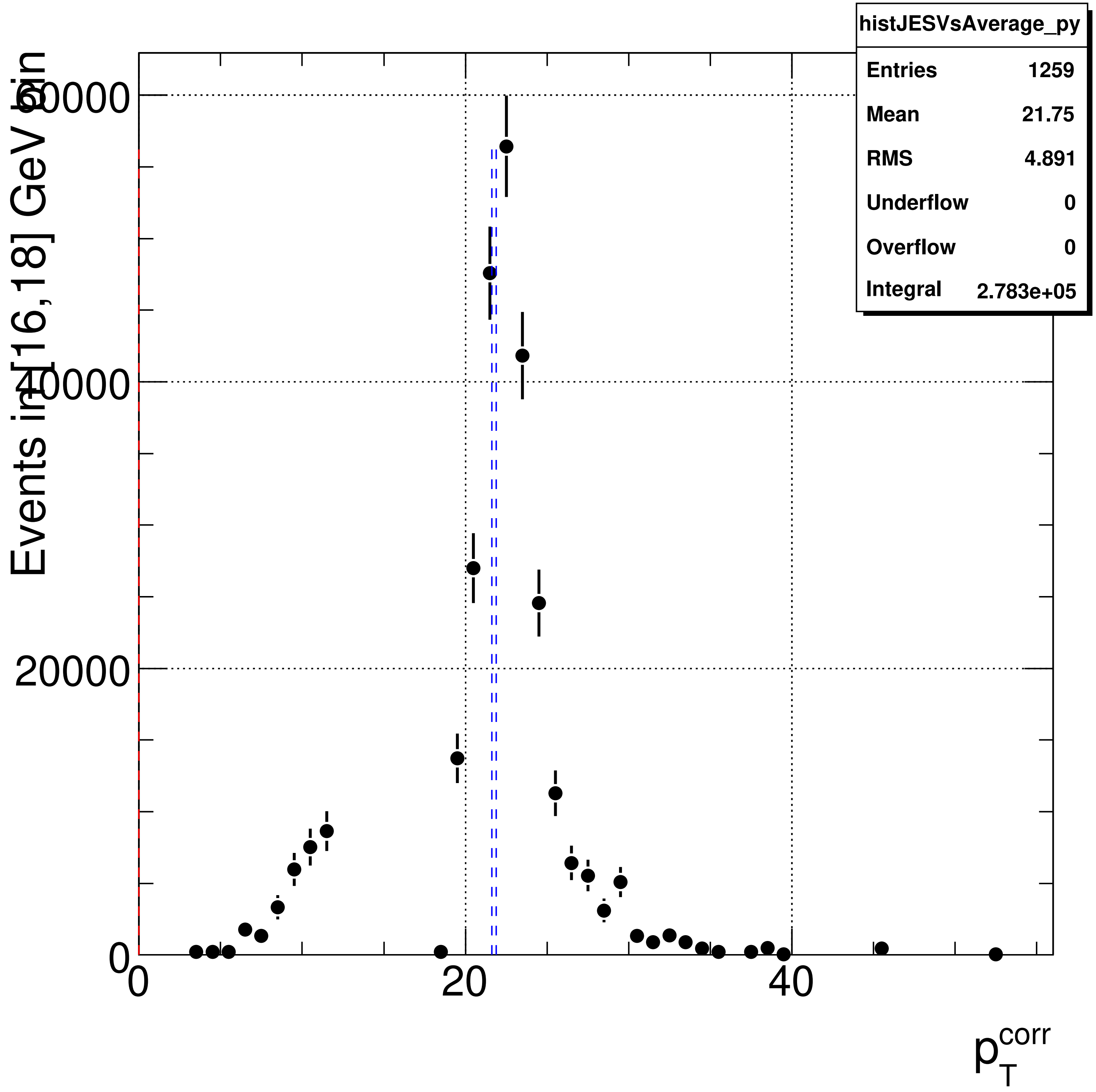

histJESVsAverage_py
Entries 40
Mean 25.16
RMS 7.818
Underflow 0
Overflow 0
Integral 8875
Events in [10,12] GeV bin
0
1000
2000
20
40
60
p_T^{corr}



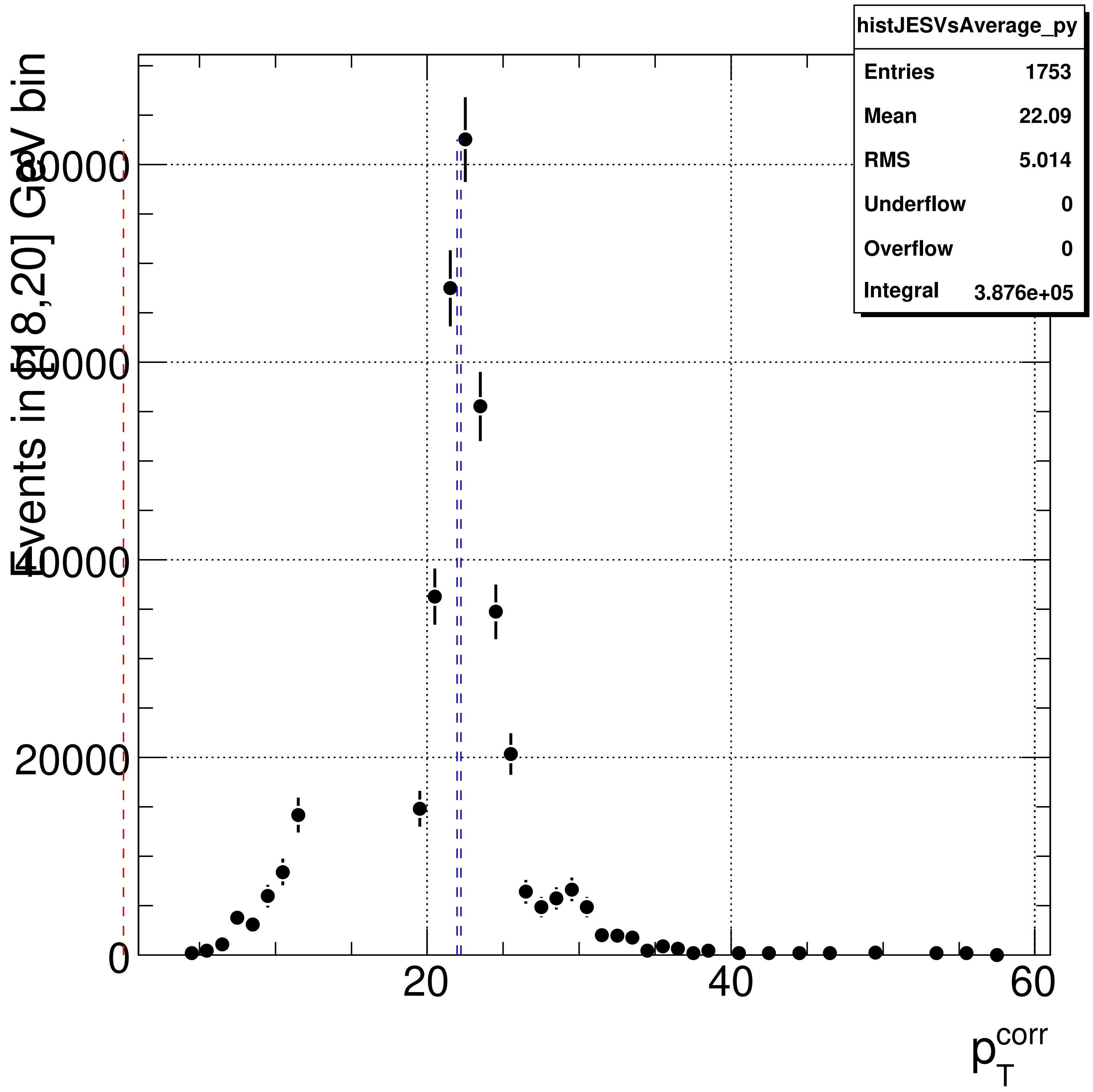
histJESVsAverage_py
Entries 193
Mean 23.35
RMS 3.999
Underflow 0
Overflow 0
Integral 4.271e+04
Events in [12,14] GeV bin
10000
5000
0
10
20
30
40
p_T^{corr}



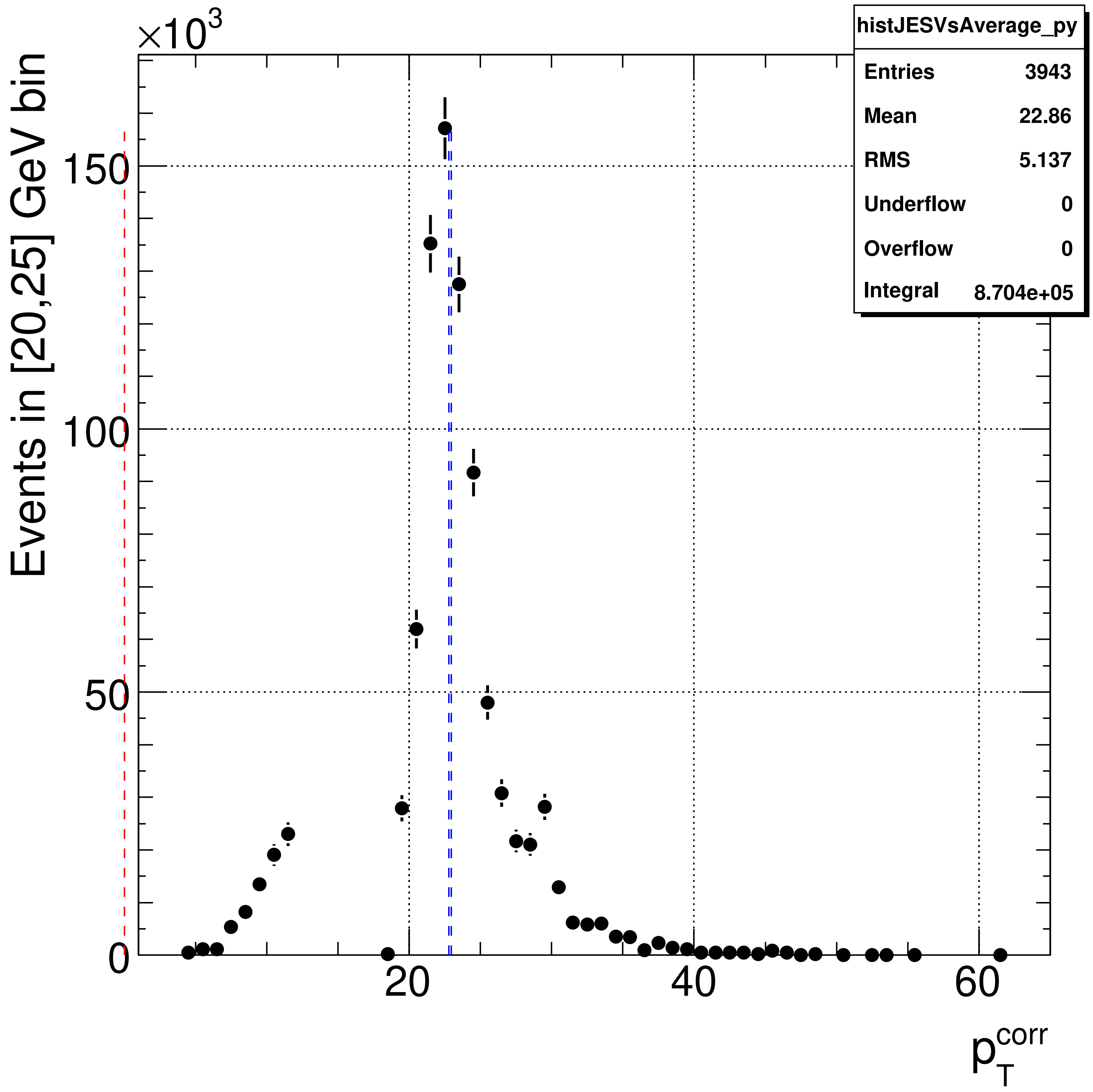
histJESVsAverage_py
Entries 560
Mean 22.52
RMS 4.31
Underflow 0
Overflow 0
Integral 1.237e+05
Events in [14,16] GeV bin
30000
20000
10000
0
10
20
30
40
p_T^{corr}

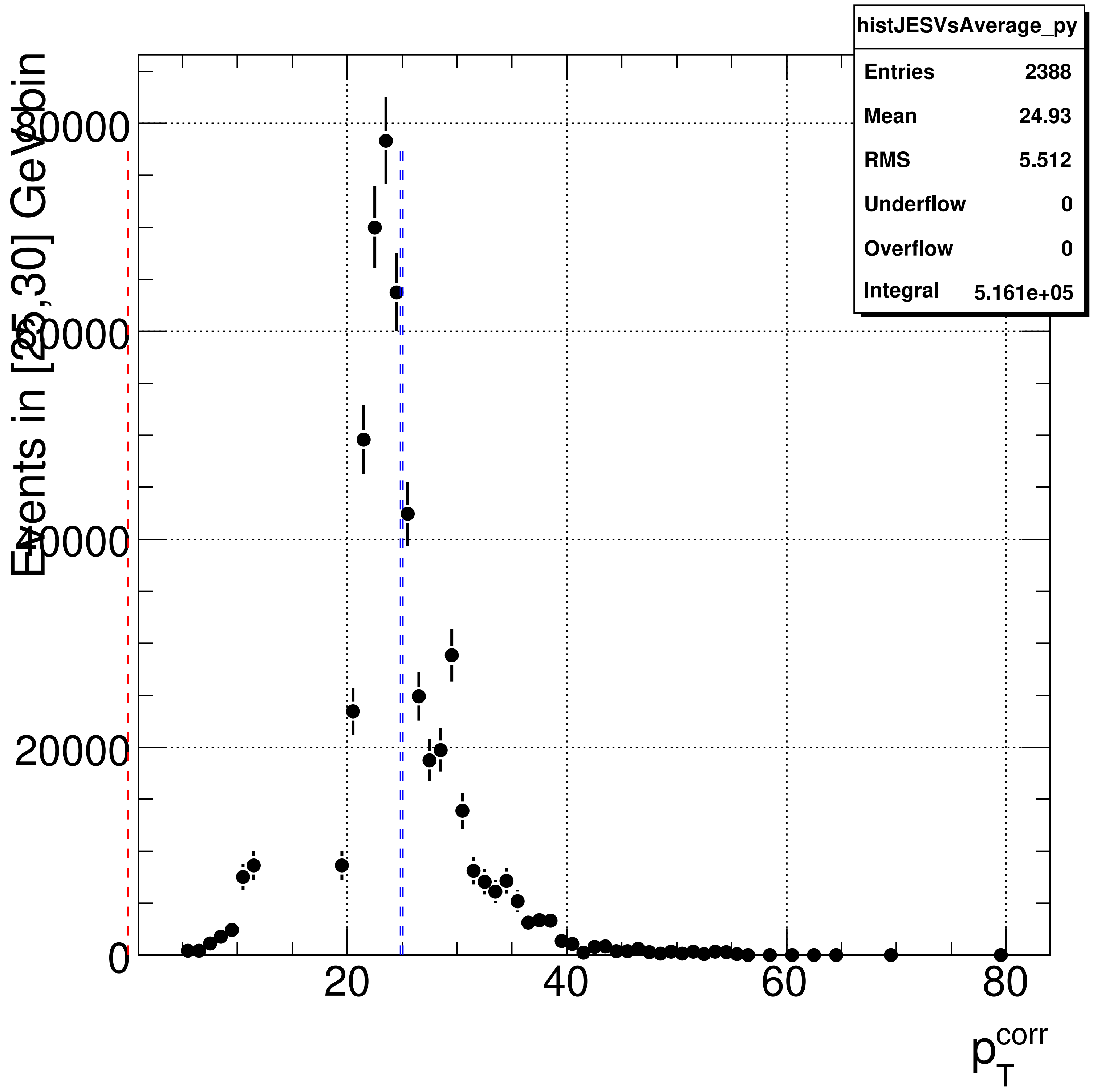


histJESVsAverage_py
Entries 1259
Mean 21.75
RMS 4.891
Underflow 0
Overflow 0
Integral 2.783e+05
Events in [16,18] GeV bin
60000
40000
20000
0
0
20
40
p_T^{corr}

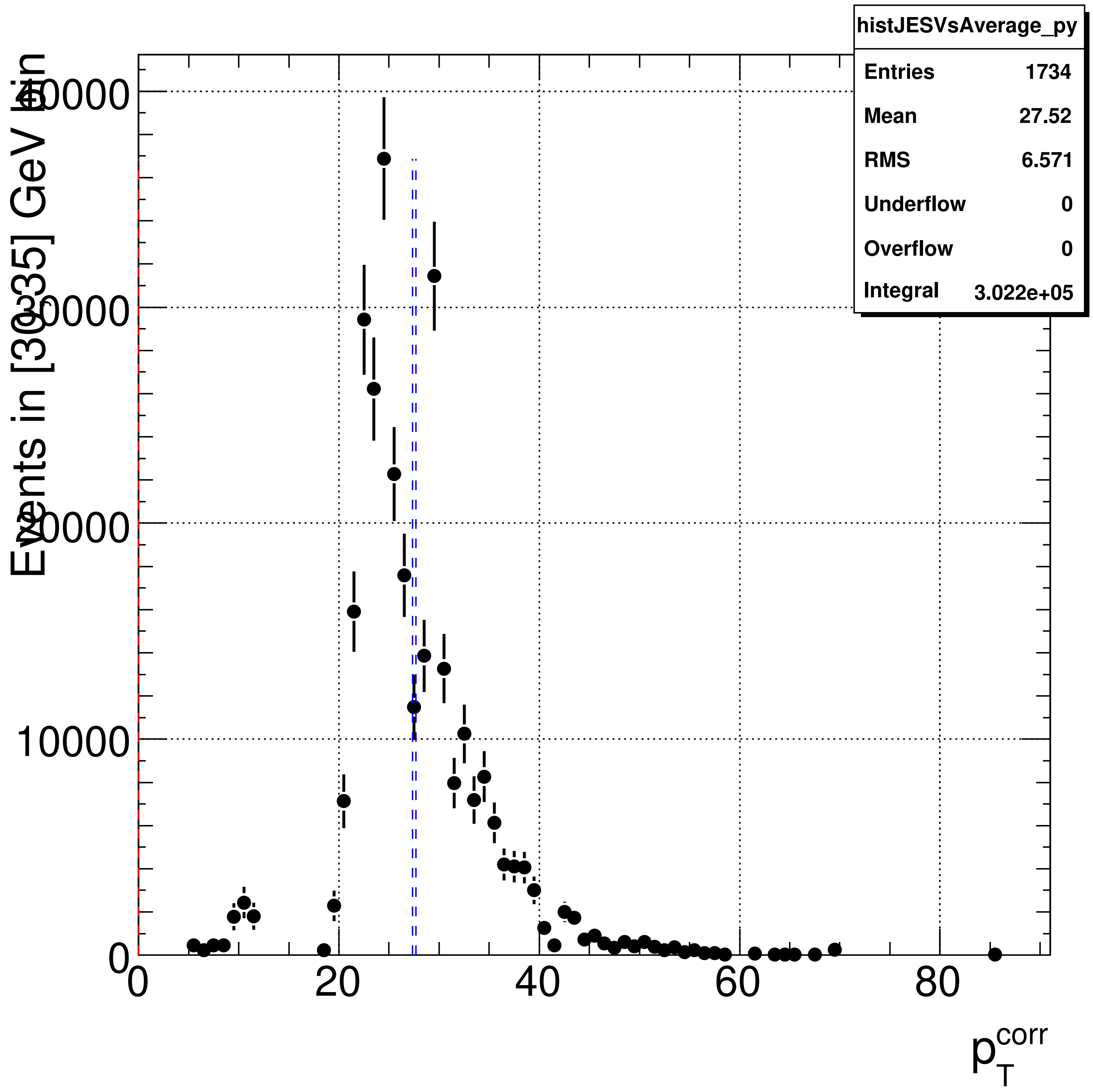


histJESVsAverage_py
Entries 1753
Mean 22.09
RMS 5.014
Underflow 0
Overflow 0
Integral 3.876e+05
Events in [18,20] GeV bin
0
20000
40000
60000
80000
20
40
60
p_T^{corr}

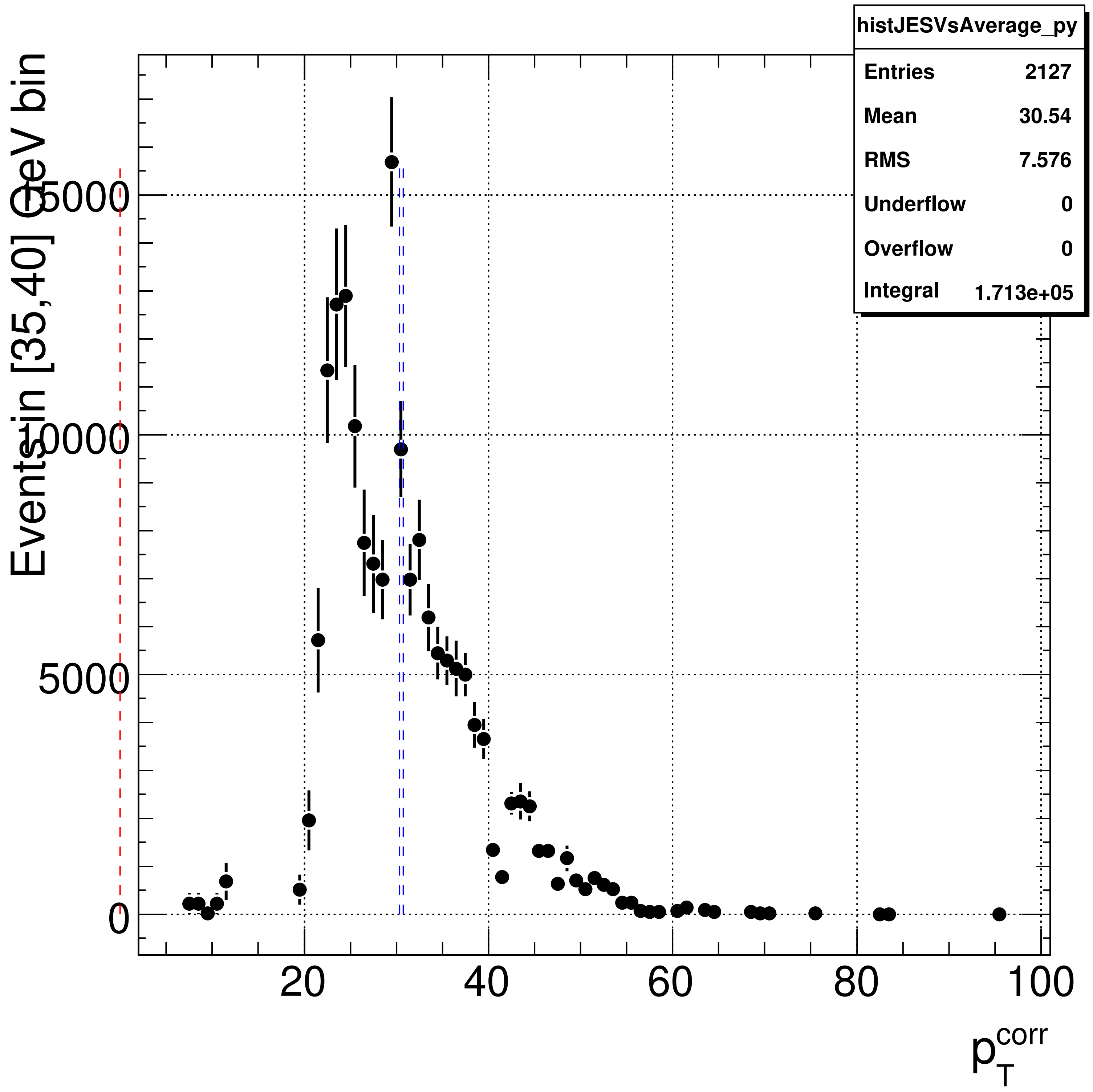

histJESVsAverage_py
Entries 3943
Mean 22.86
RMS 5.137
Underflow 0
Overflow 0
Integral 8.704e+05
×10^3
Events in [20,25] GeV bin
0
50
100
150
20
40
60
p_T^corr



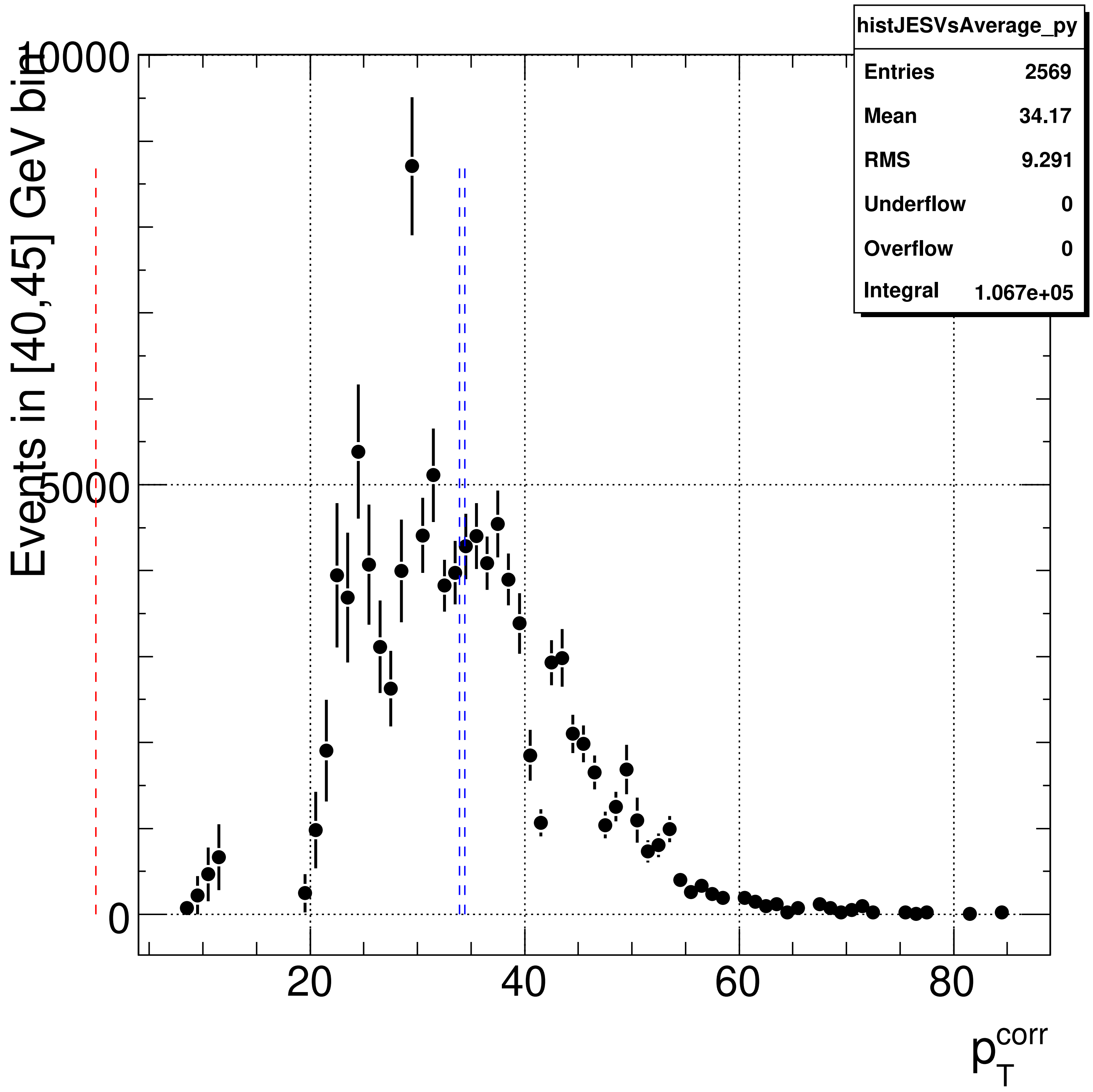
histJESVsAverage_py
Entries 2388
Mean 24.93
RMS 5.512
Underflow 0
Overflow 0
Integral 5.161e+05
Events in [25,30] GeV bin
0
20000
40000
60000
80000
20
40
60
80
p_T^{corr}

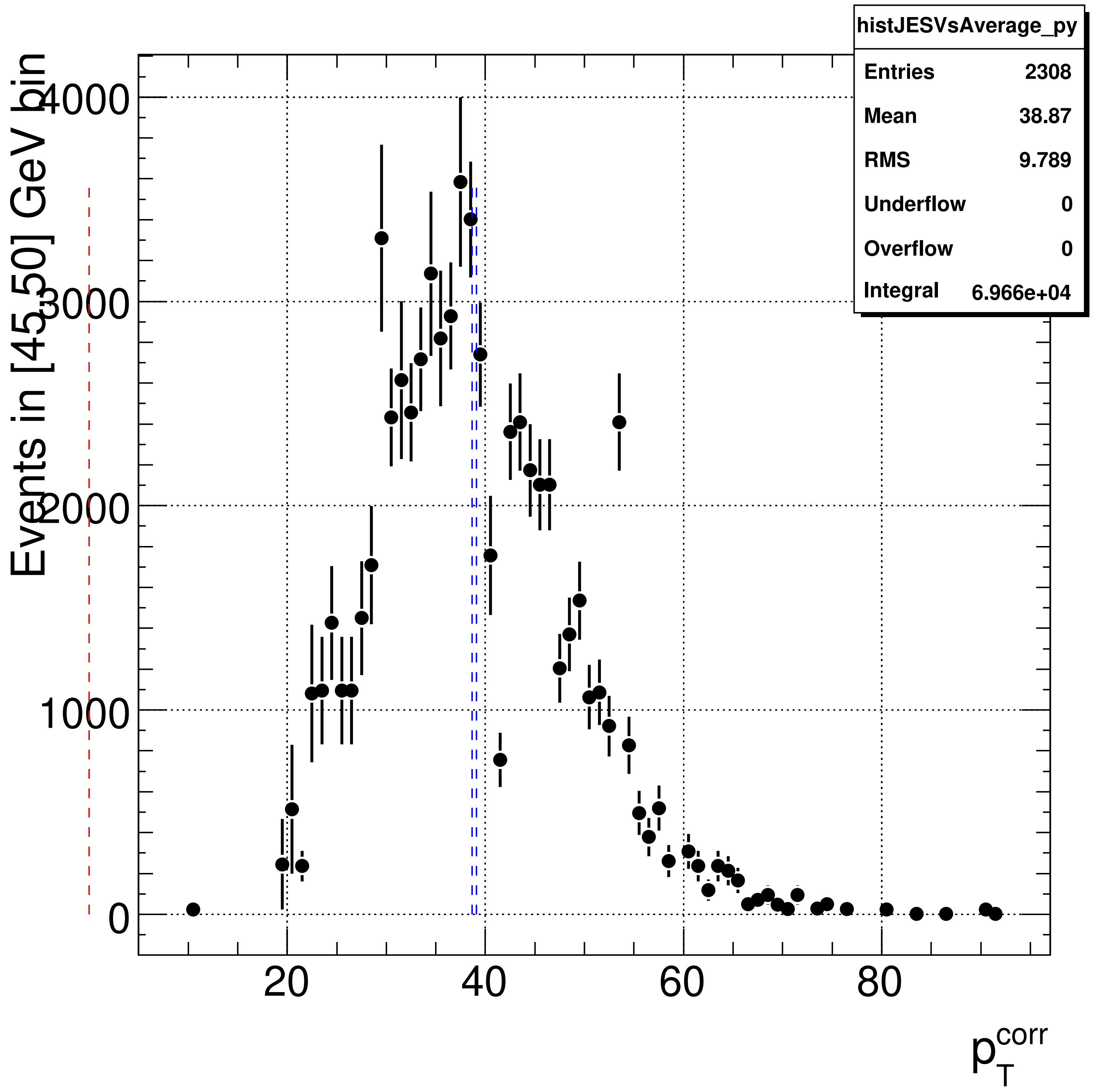


histJESVsAverage_py
Entries 1734
Mean 27.52
RMS 6.571
Underflow 0
Overflow 0
Integral 3.022e+05
Events in [30,35] GeV bin
40000
30000
20000
10000
0
0
20
40
60
80
p_T^{corr}

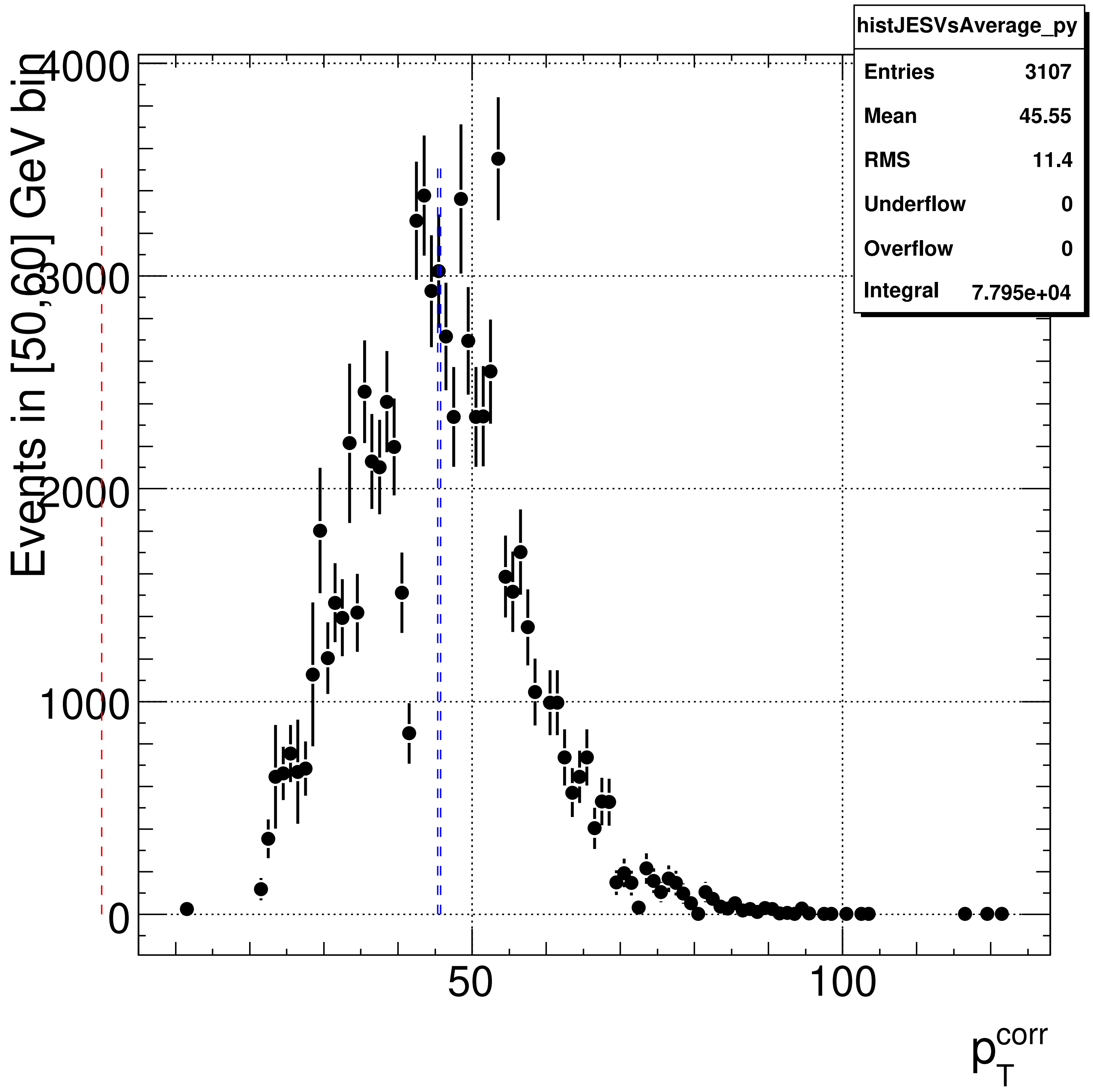


histJESVsAverage_py
Entries 2127
Mean 30.54
RMS 7.576
Underflow 0
Overflow 0
Integral 1.713e+05
Events in [35,40] GeV bin
0
5000
10000
15000
20
40
60
80
100
p_T^{corr}

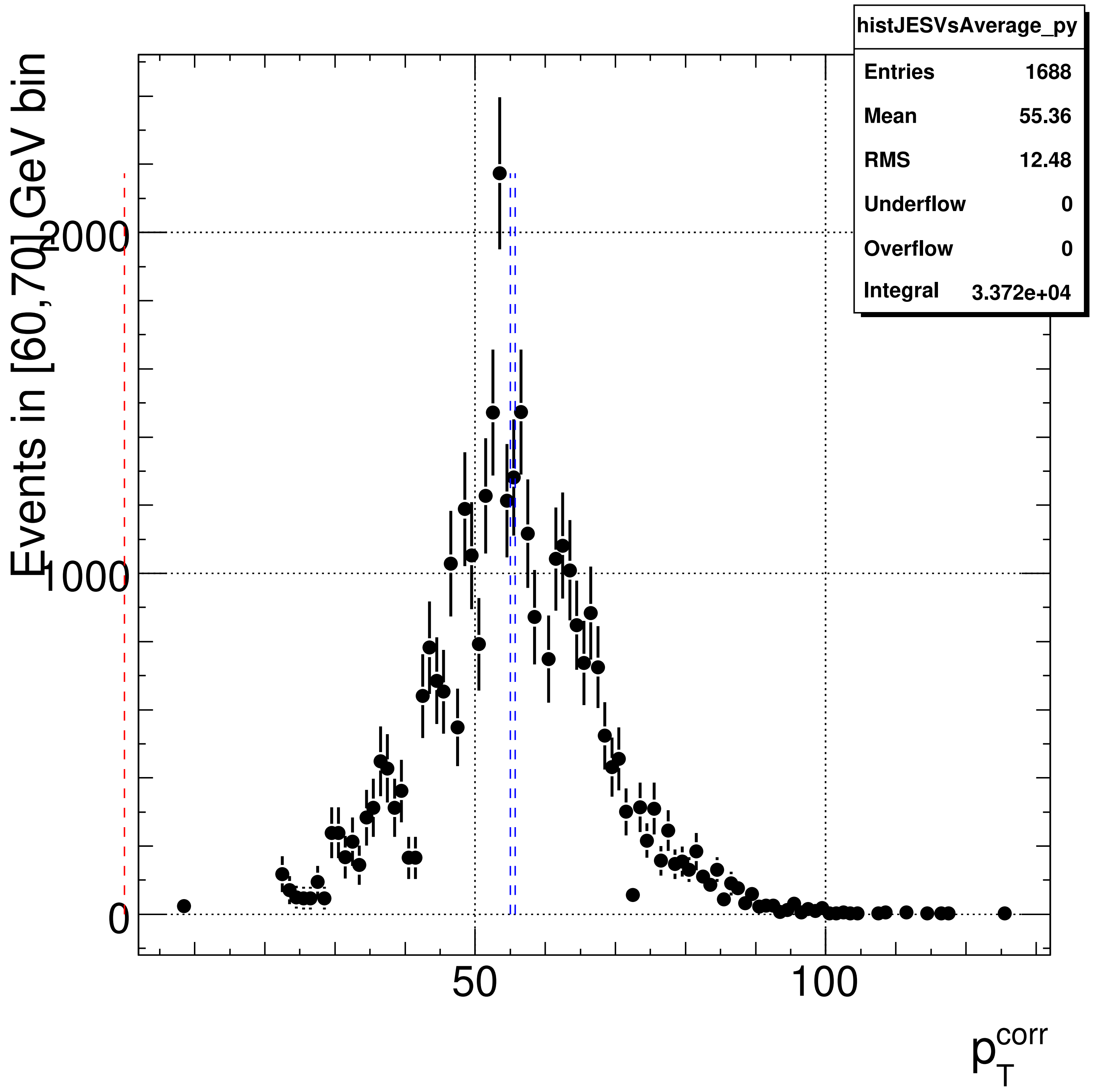

histJESVsAverage_py
Entries 2569
Mean 34.17
RMS 9.291
Underflow 0
Overflow 0
Integral 1.067e+05
Events in [40,45] GeV bin
10000
5000
0
20
40
60
80
p_T^{corr}

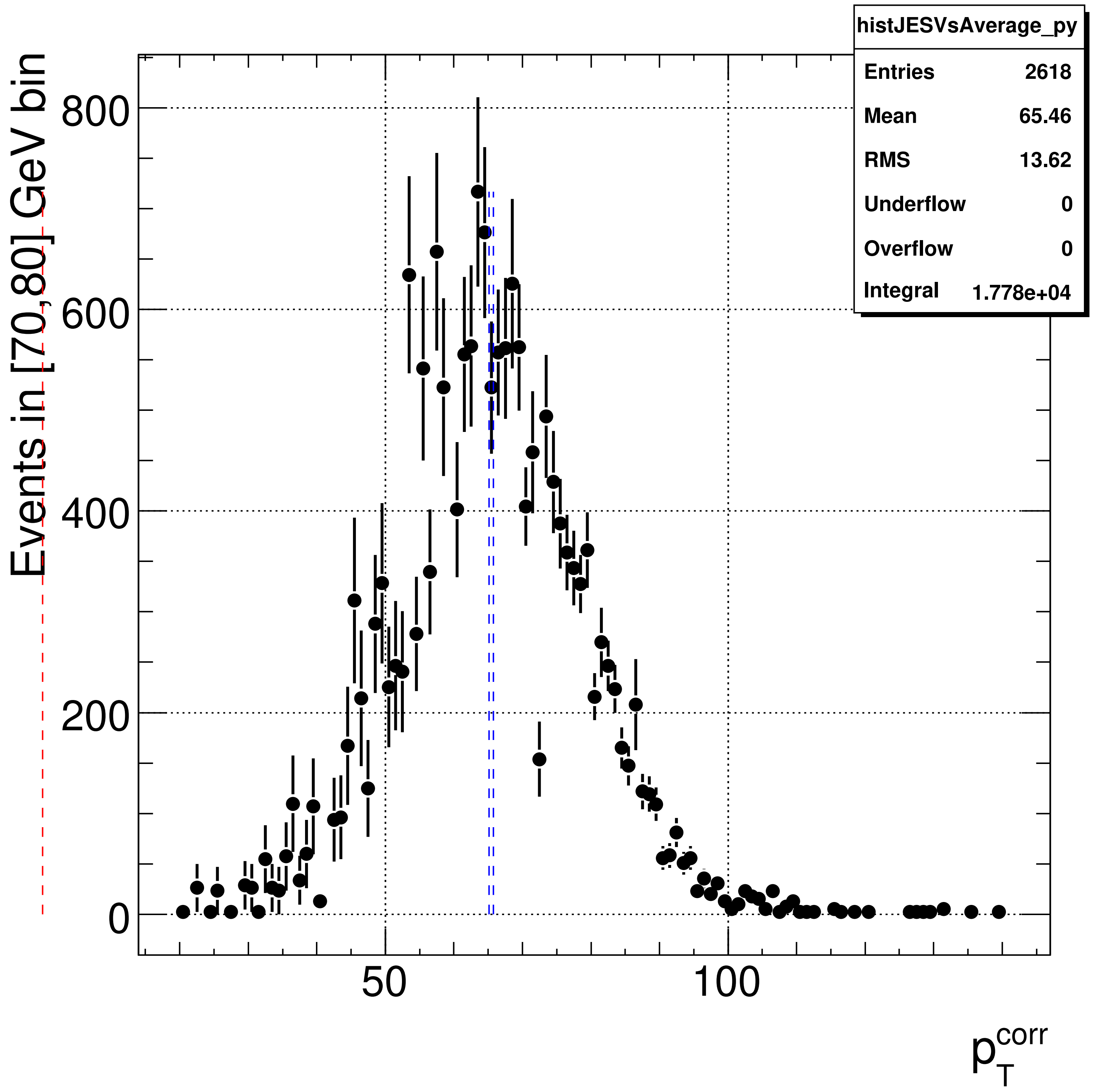


histJESVsAverage_py
Entries 2308
Mean 38.87
RMS 9.789
Underflow 0
Overflow 0
Integral 6.966e+04
Events in [45,50] GeV bin
0
1000
2000
3000
4000
20
40
60
80
p_T^{corr}

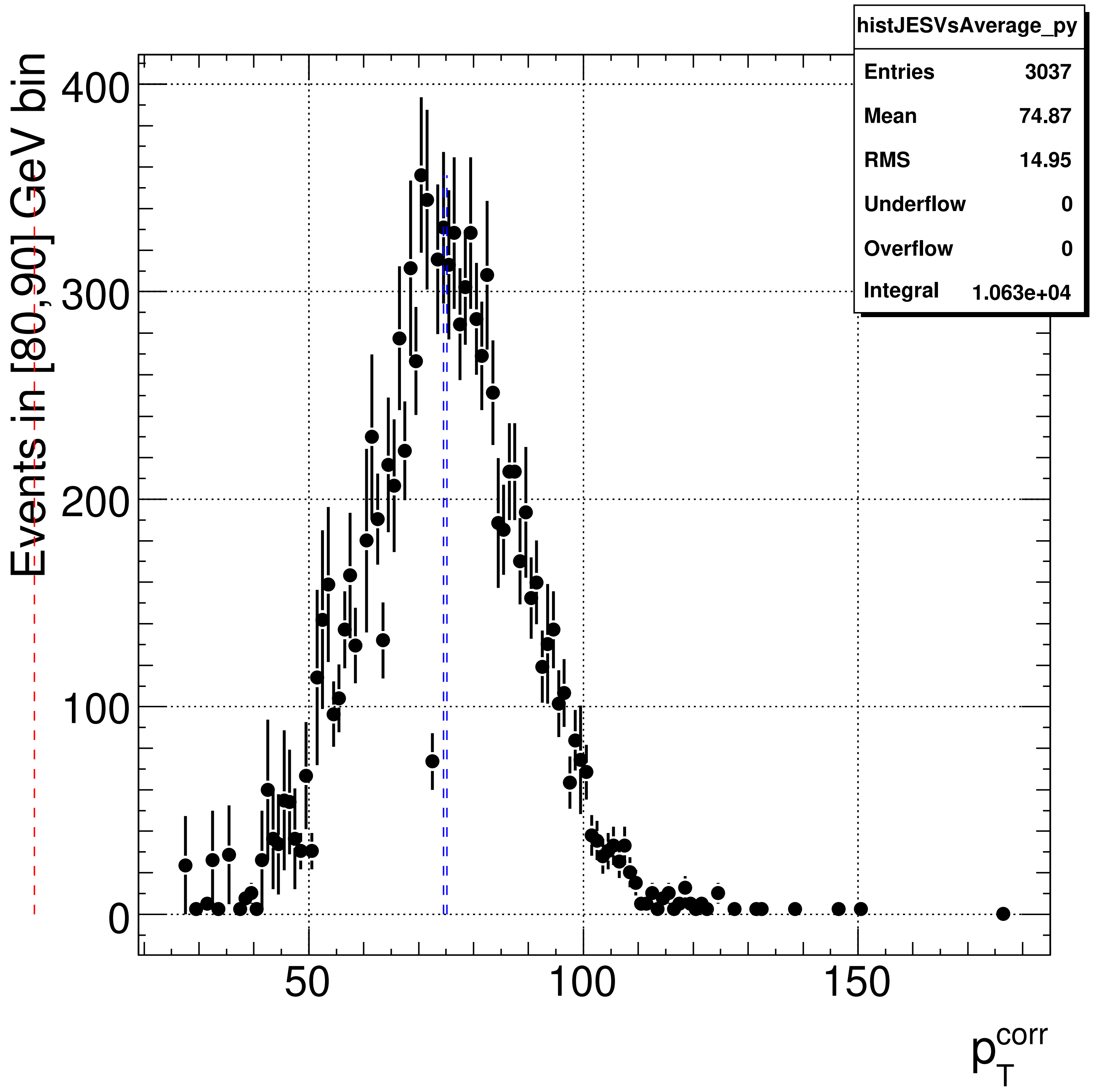


histJESVsAverage_py
Entries 3107
Mean 45.55
RMS 11.4
Underflow 0
Overflow 0
Integral 7.795e+04
Events in [50,60] GeV bin
4000
3000
2000
1000
0
50
100
p_T^{corr}

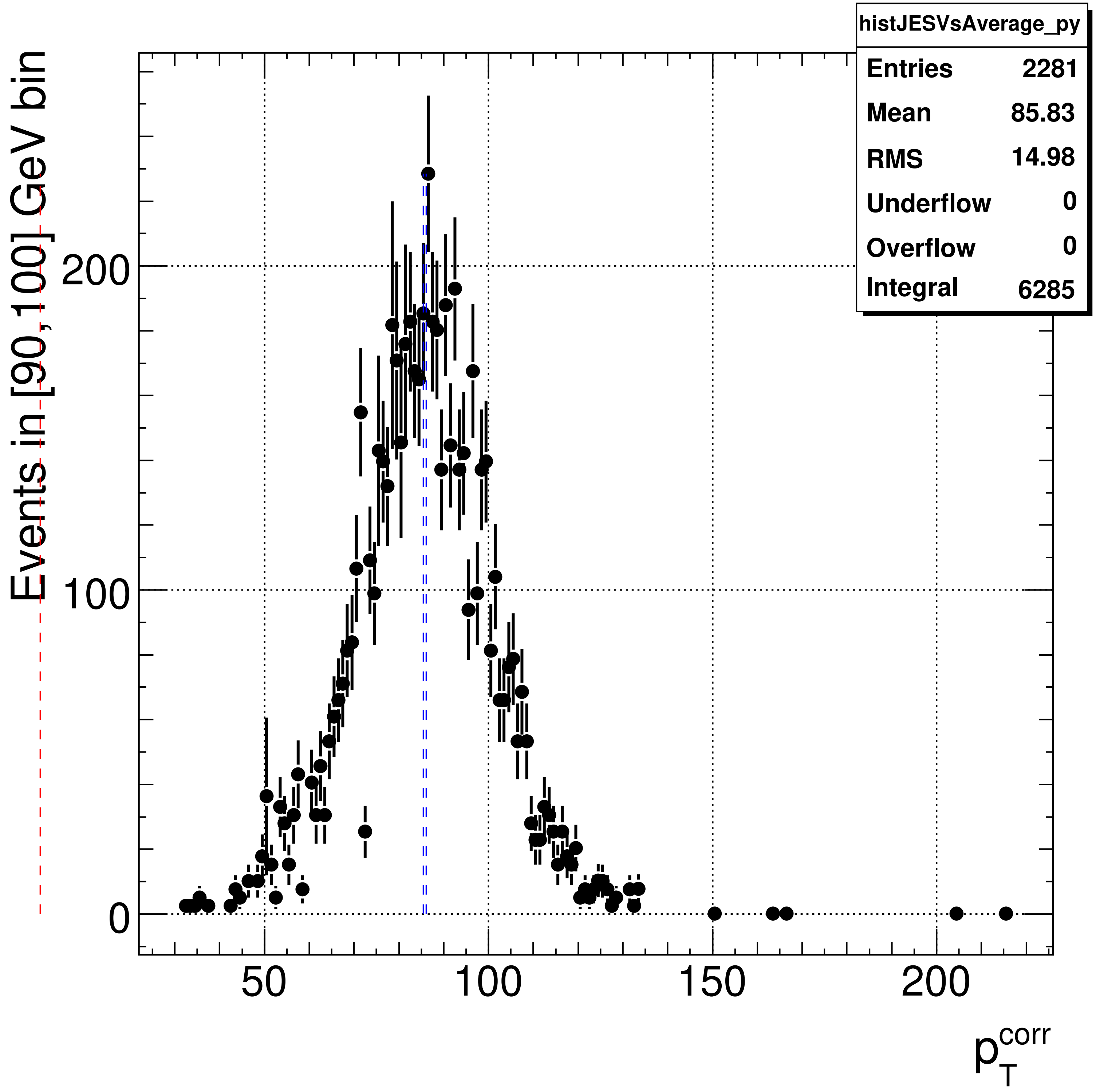

histJESVsAverage_py
Entries 1688
Mean 55.36
RMS 12.48
Underflow 0
Overflow 0
Integral 3.372e+04
Events in [60,70] GeV bin
p_T^{corr}
0
1000
2000
50
100



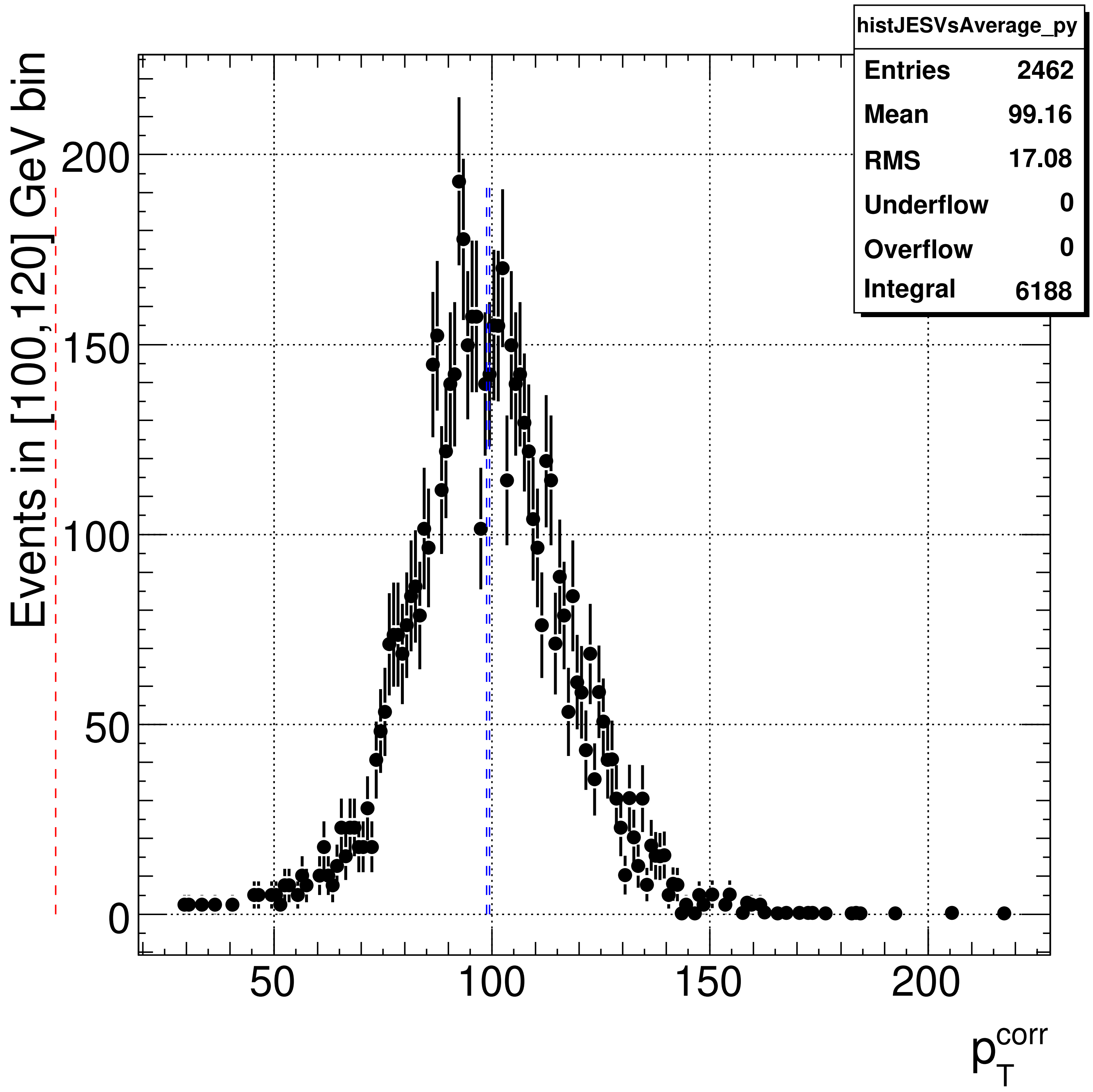
histJESVsAverage_py
Entries 2618
Mean 65.46
RMS 13.62
Underflow 0
Overflow 0
Integral 1.778e+04
Events in [70,80] GeV bin
0
200
400
600
800
50
100
p_T^{corr}



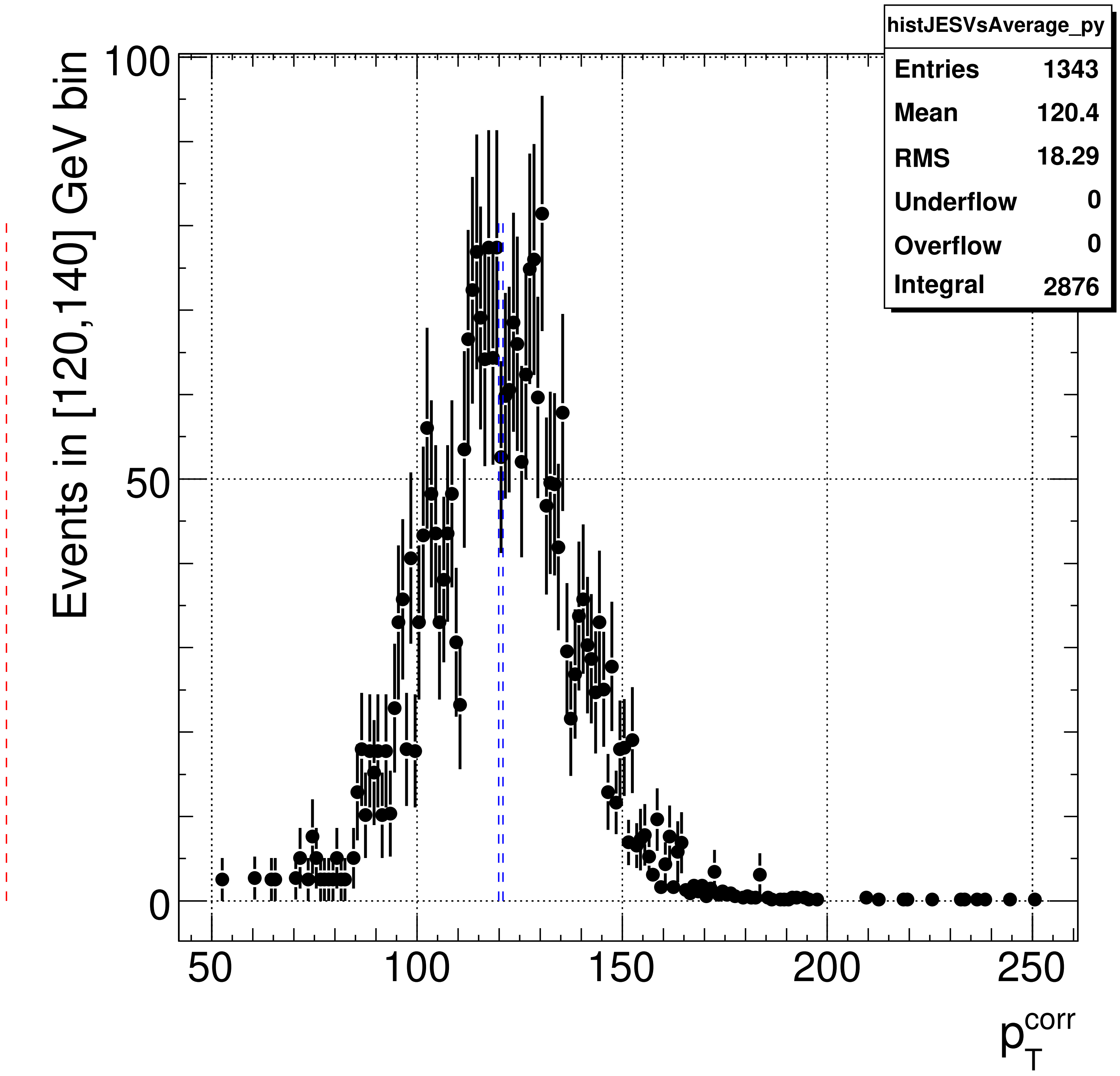
histJESVsAverage_py
Entries 3037
Mean 74.87
RMS 14.95
Underflow 0
Overflow 0
Integral 1.063e+04
Events in [80,90] GeV bin
0
100
200
300
400
50
100
150
p_T^{corr}



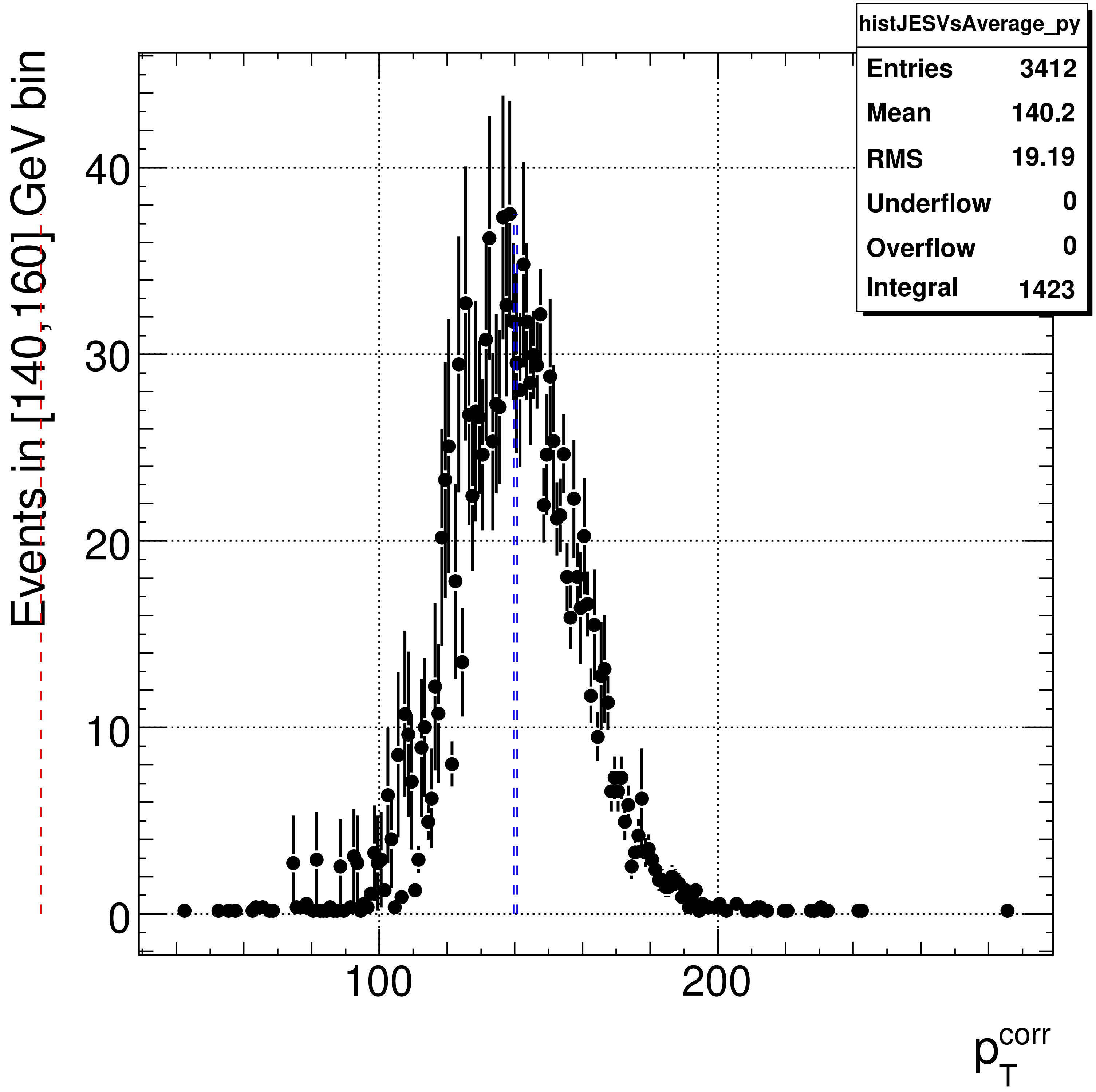
histJESVsAverage_py
Entries 2281
Mean 85.83
RMS 14.98
Underflow 0
Overflow 0
Integral 6285
Events in [90,100] GeV bin
0
100
200
50
100
150
200
p_T^{corr}



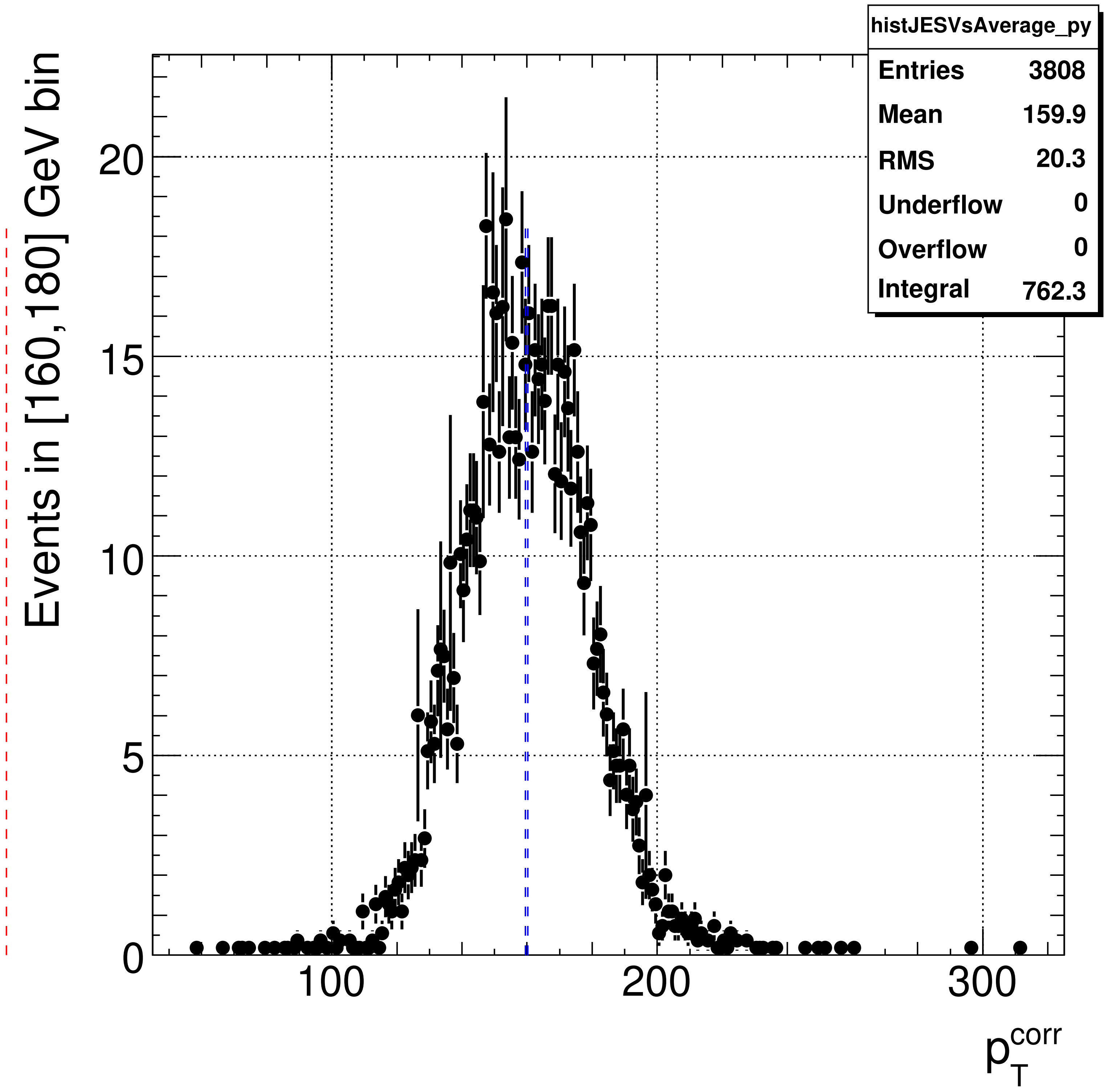
histJESVsAverage_py
Entries 2462
Mean 99.16
RMS 17.08
Underflow 0
Overflow 0
Integral 6188
Events in [100,120] GeV bin
0
50
100
150
200
50
100
150
200
p_T^{corr}



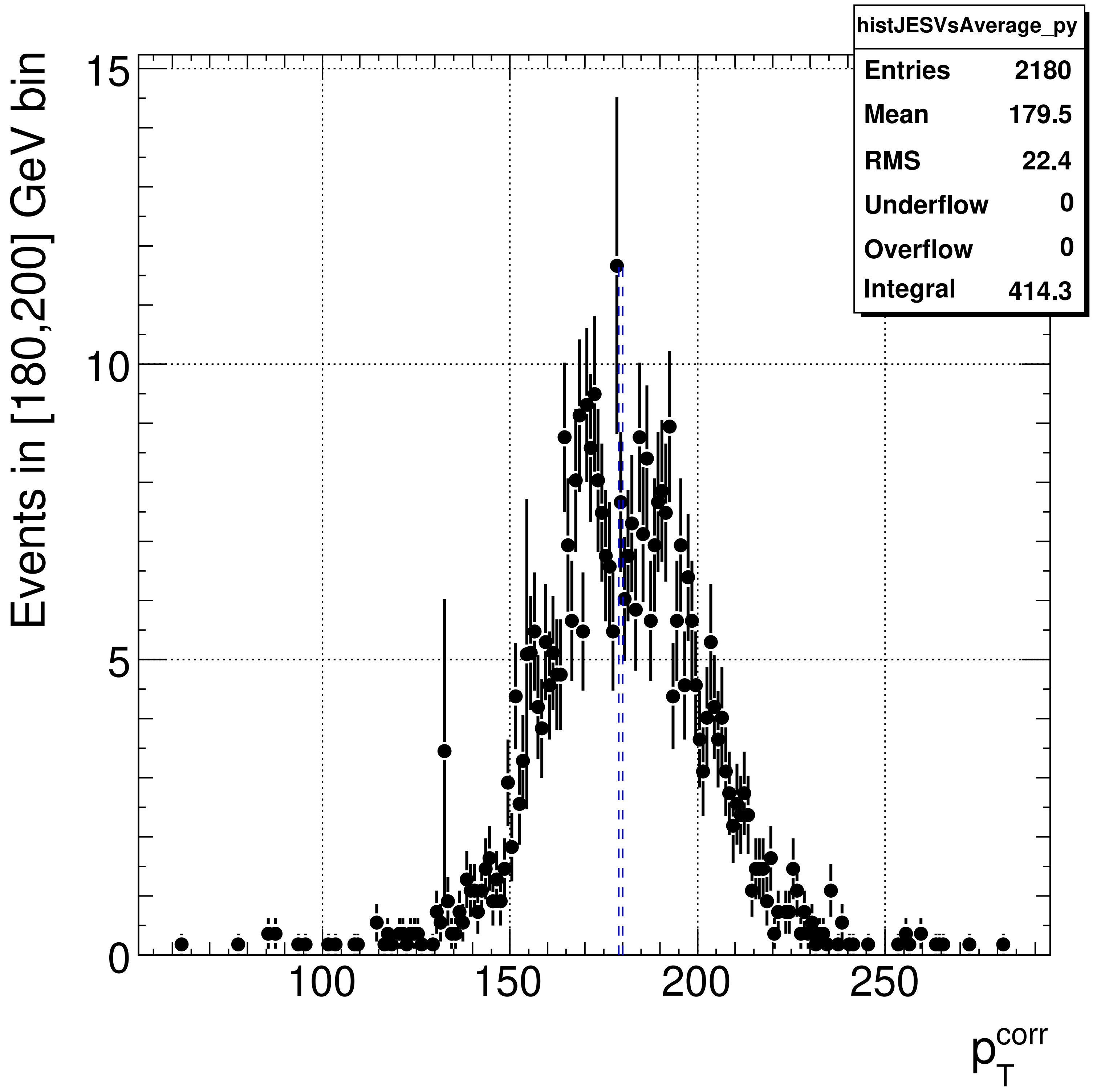
histJESVsAverage_py
Entries 1343
Mean 120.4
RMS 18.29
Underflow 0
Overflow 0
Integral 2876
Events in [120,140] GeV bin
100
50
0
50
100
150
200
250
p_T^{corr}

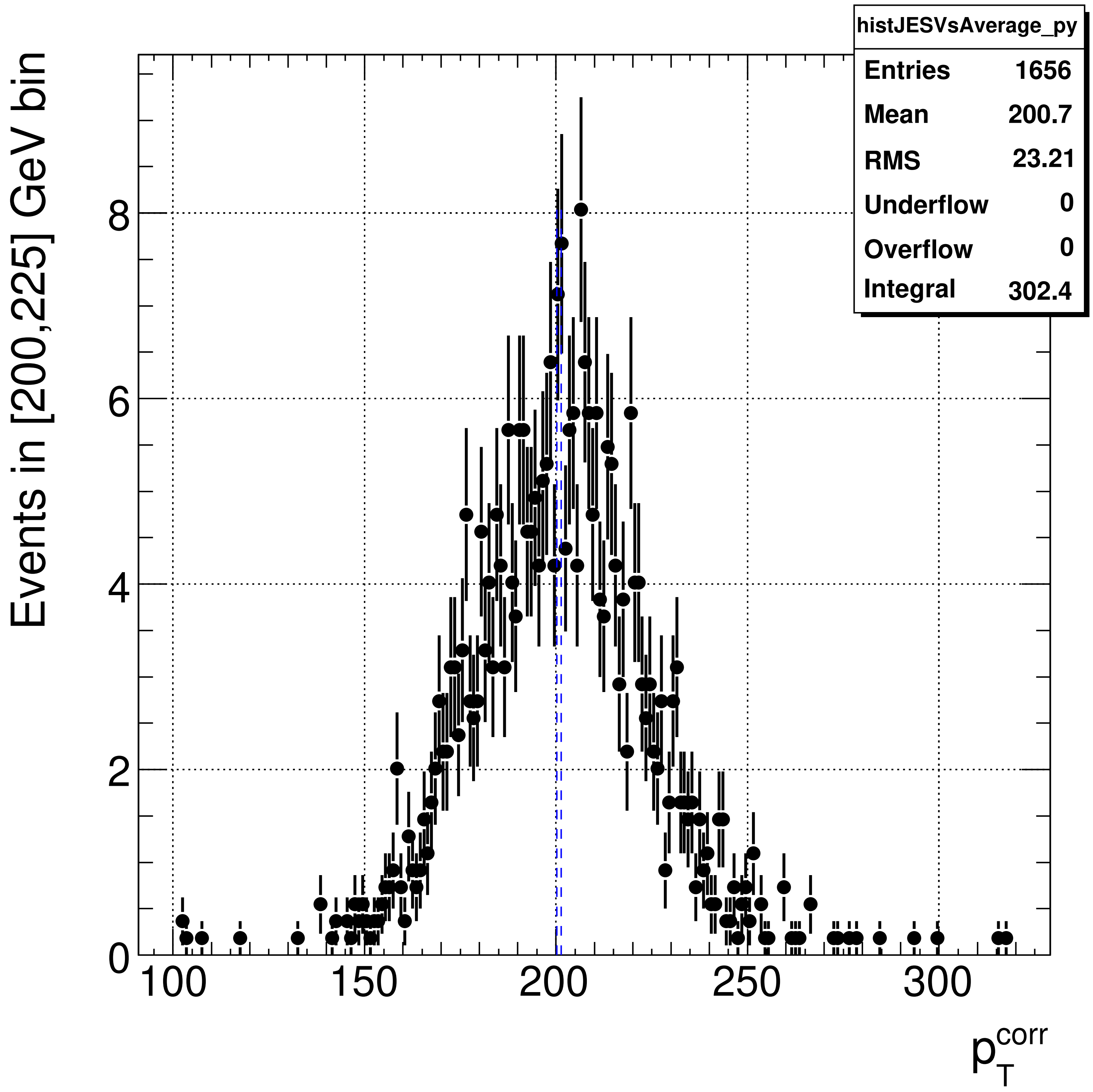


histJESVsAverage_py
Entries 3412
Mean 140.2
RMS 19.19
Underflow 0
Overflow 0
Integral 1423
Events in [140,160] GeV bin
0
10
20
30
40
100
200
p_T^{corr}

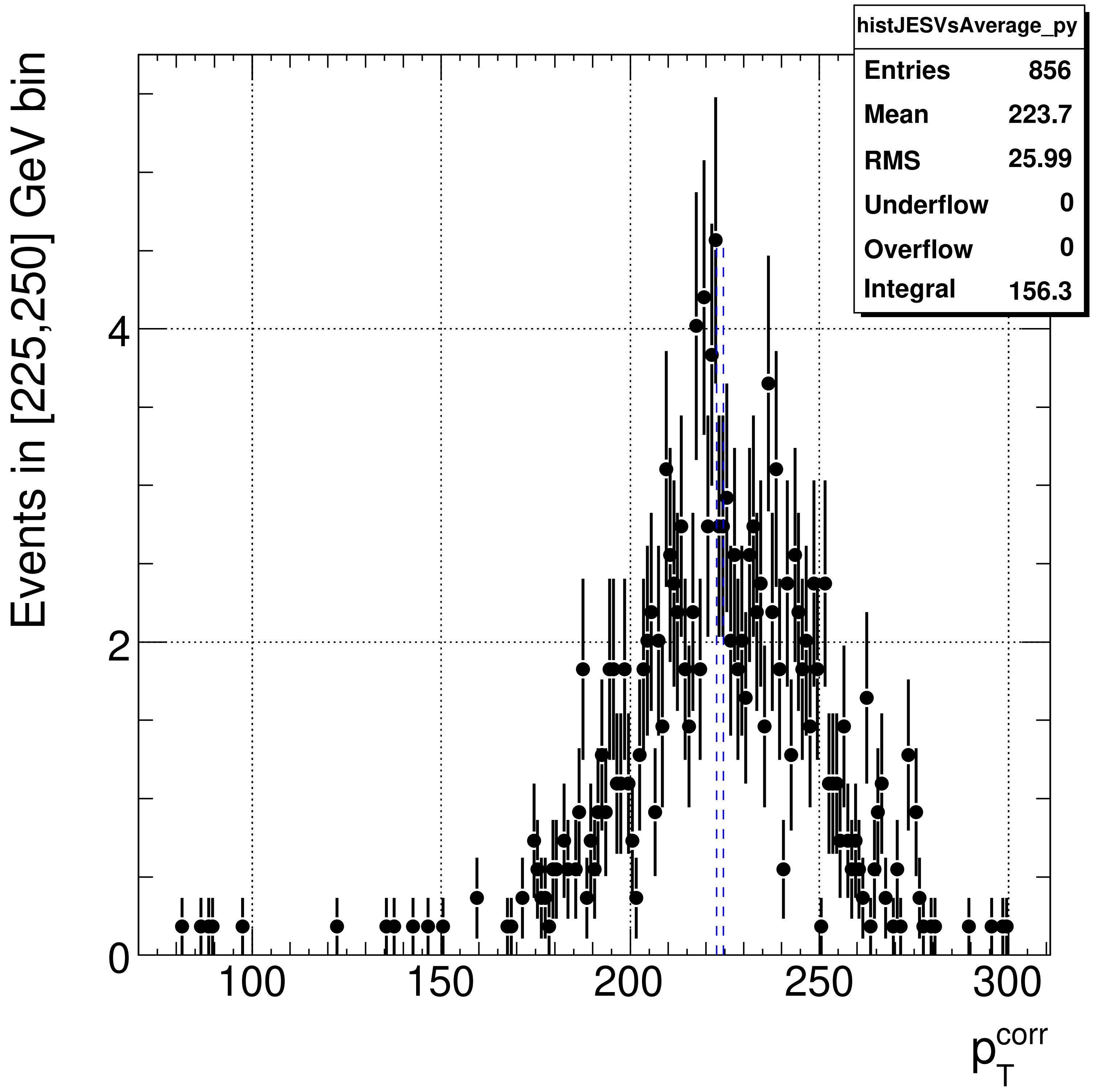


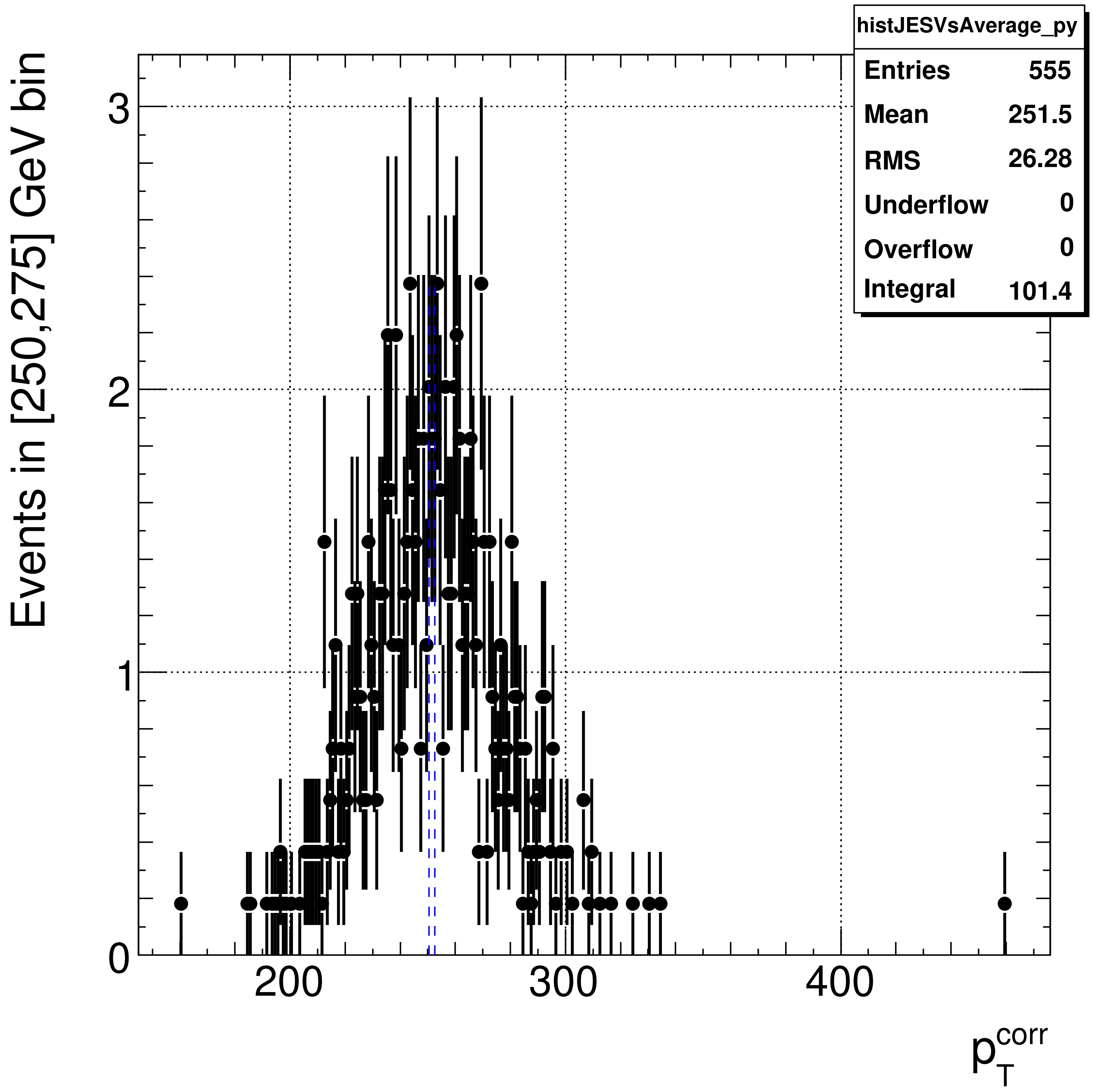
histJESVsAverage_py
Entries 3808
Mean 159.9
RMS 20.3
Underflow 0
Overflow 0
Integral 762.3
Events in [160,180] GeV bin
0
5
10
15
20
100
200
300
p_T^{corr}

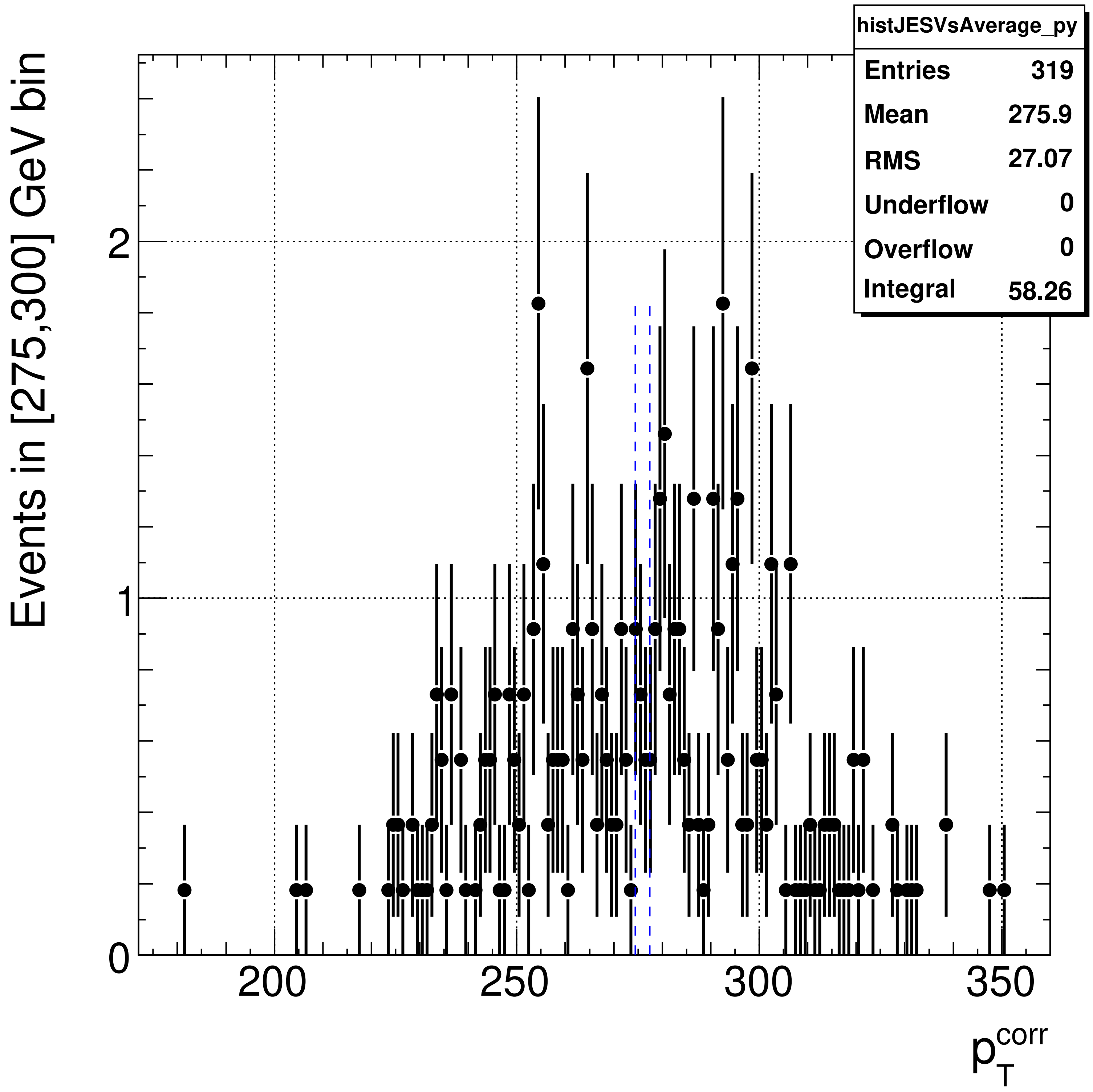

histJESVsAverage_py
Entries 2180
Mean 179.5
RMS 22.4
Underflow 0
Overflow 0
Integral 414.3
Events in [180,200] GeV bin
0
5
10
15
100
150
200
250
p_T^{corr}



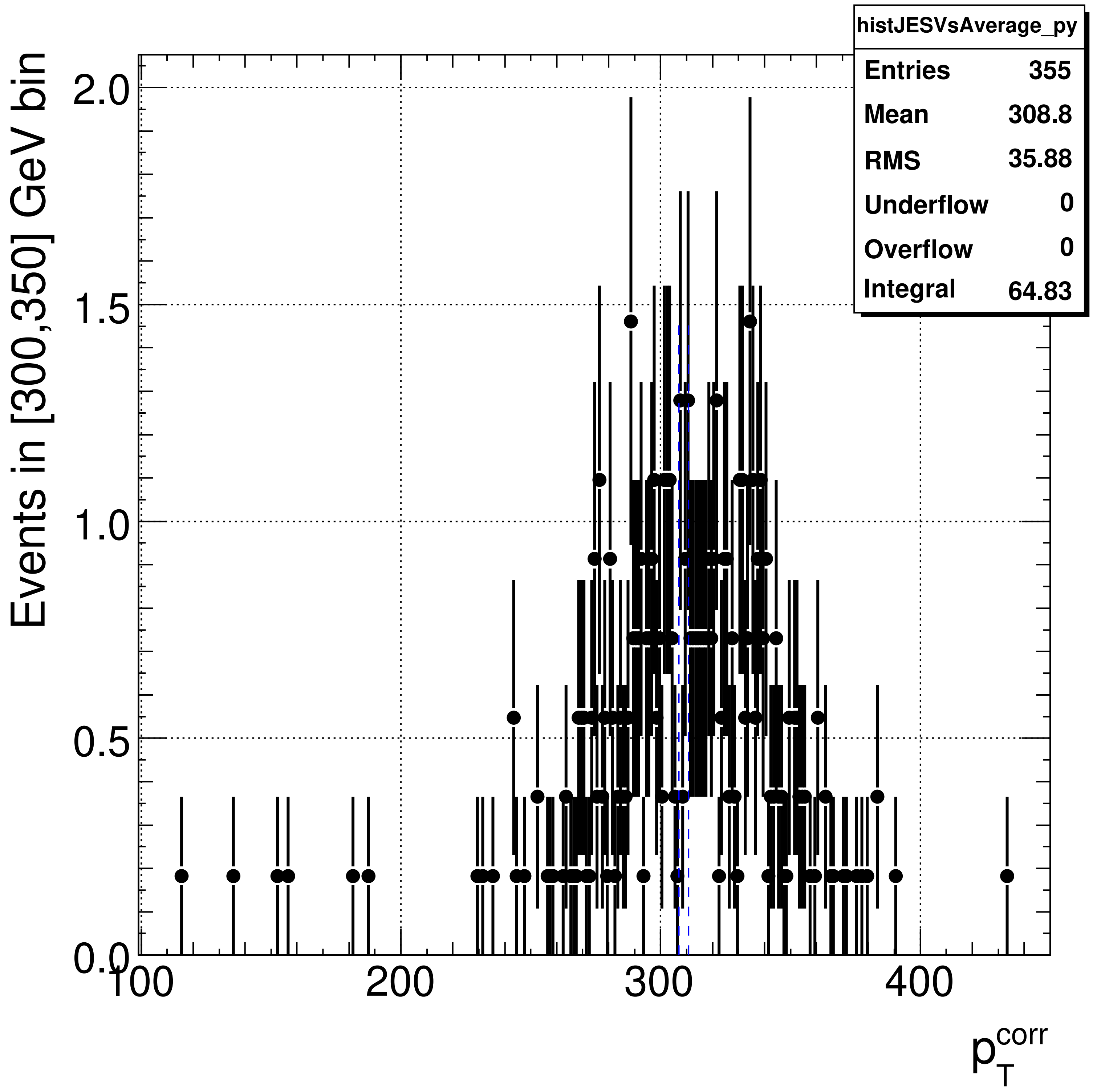
histJESVsAverage_py
Entries 1656
Mean 200.7
RMS 23.21
Underflow 0
Overflow 0
Integral 302.4
Events in [200,225] GeV bin
0
2
4
6
8
100
150
200
250
300
p_T^{corr}

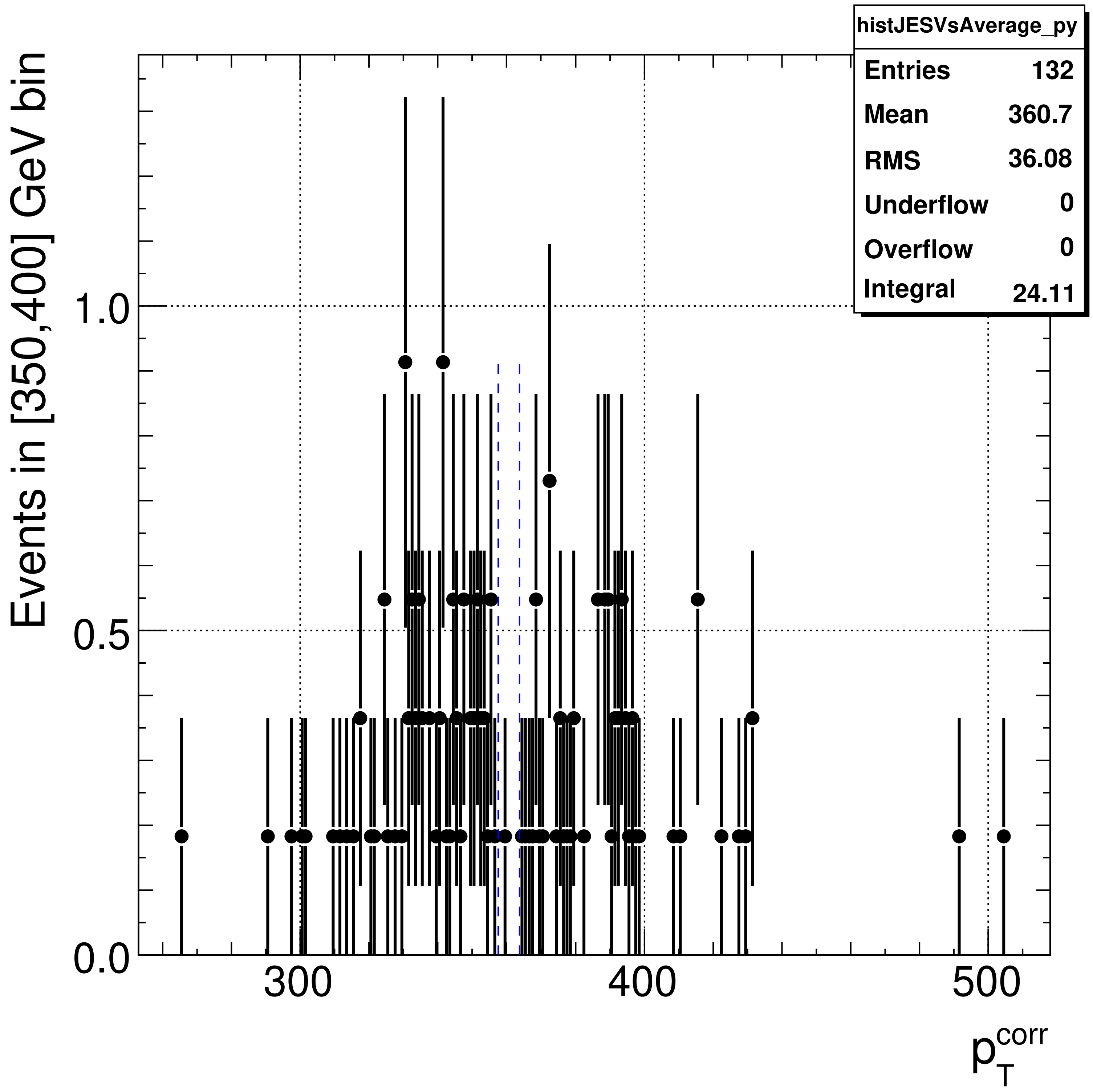

histJESVsAverage_py
Entries 856
Mean 223.7
RMS 25.99
Underflow 0
Overflow 0
Integral 156.3
Events in [225,250] GeV bin
0
2
4
100
150
200
250
300
p_T^{corr}

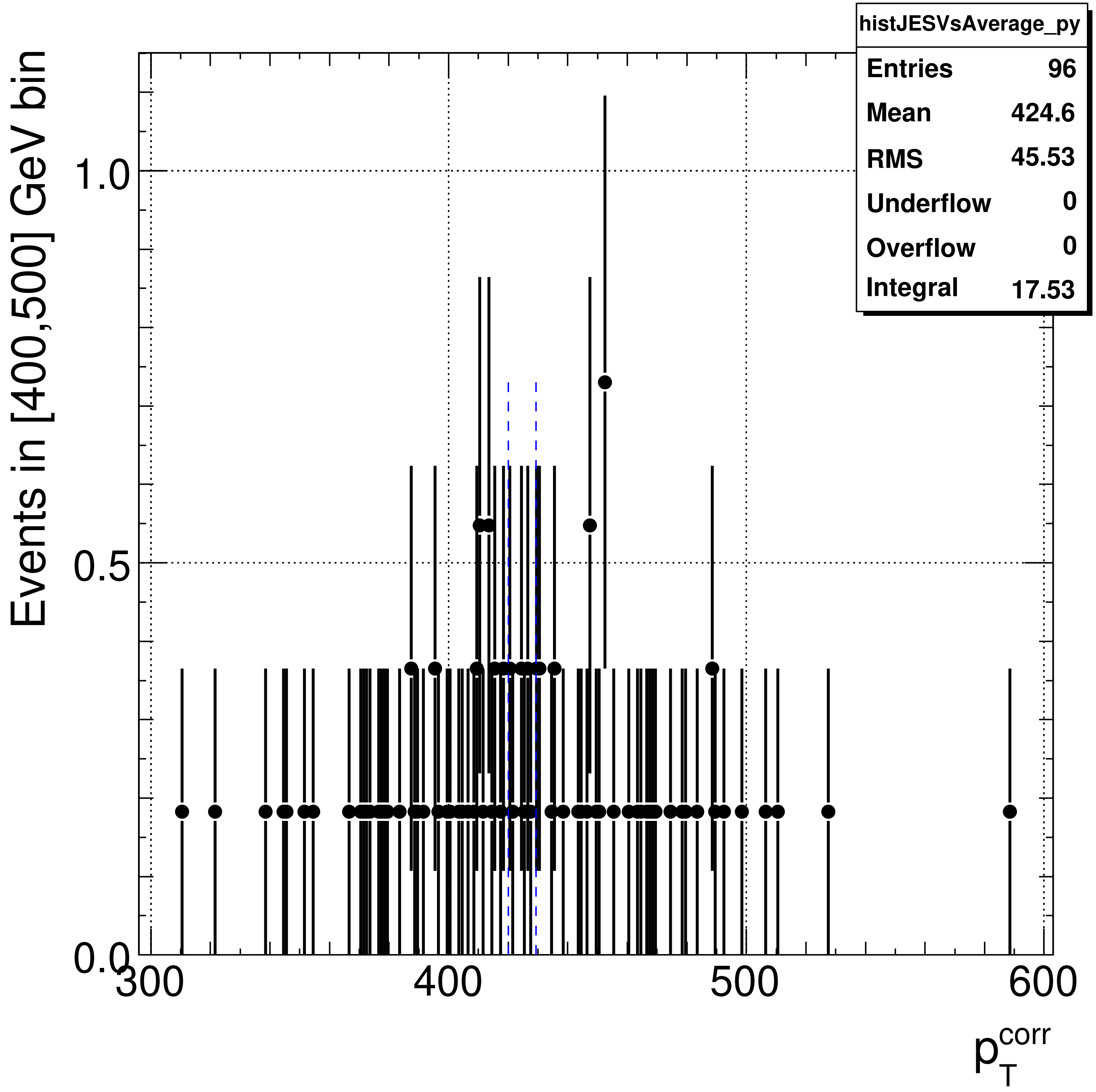

histJESVsAverage_py
Entries 555
Mean 251.5
RMS 26.28
Underflow 0
Overflow 0
Integral 101.4
Events in [250,275] GeV bin
0
1
2
3
200
300
400
p_T^{corr}

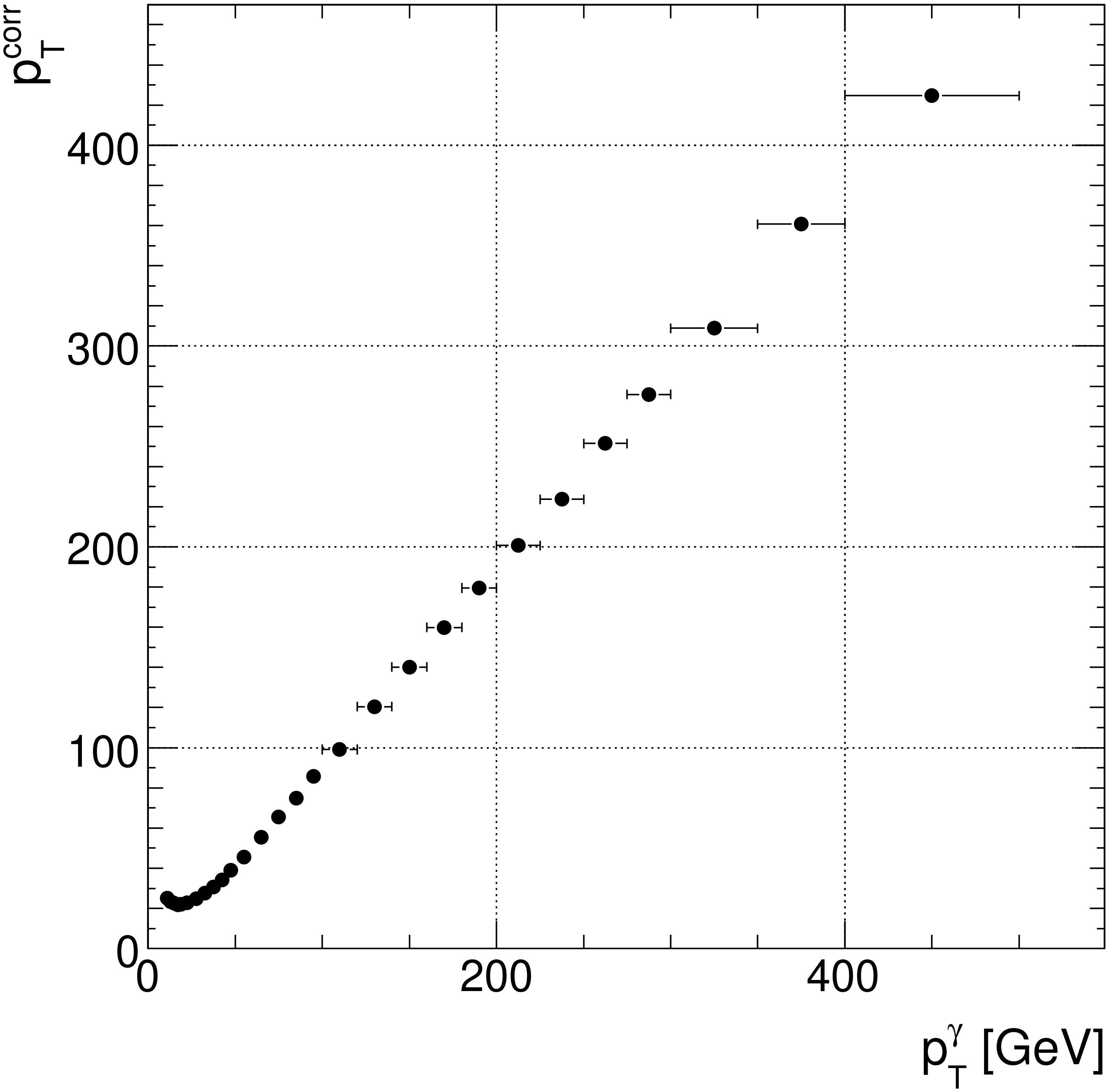


histJESVsAverage_py
Entries 319
Mean 275.9
RMS 27.07
Underflow 0
Overflow 0
Integral 58.26
Events in [275,300] GeV bin
0
1
2
200
250
300
350
p_T^{corr}

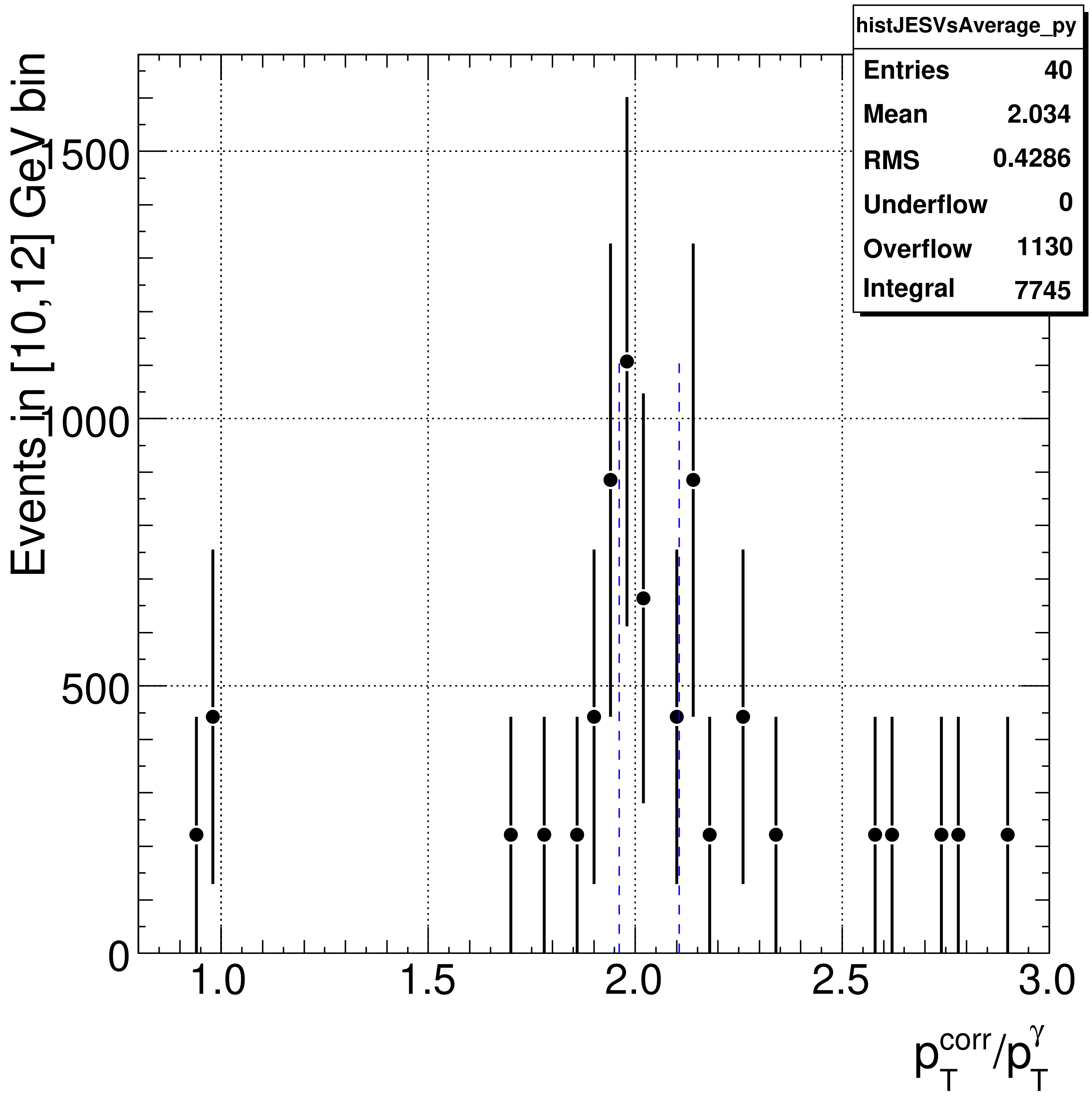

histJESVsAverage_py
Entries 355
Mean 308.8
RMS 35.88
Underflow 0
Overflow 0
Integral 64.83
Events in [300,350] GeV bin
0.0
0.5
1.0
1.5
2.0
100
200
300
400
p_T^{corr}

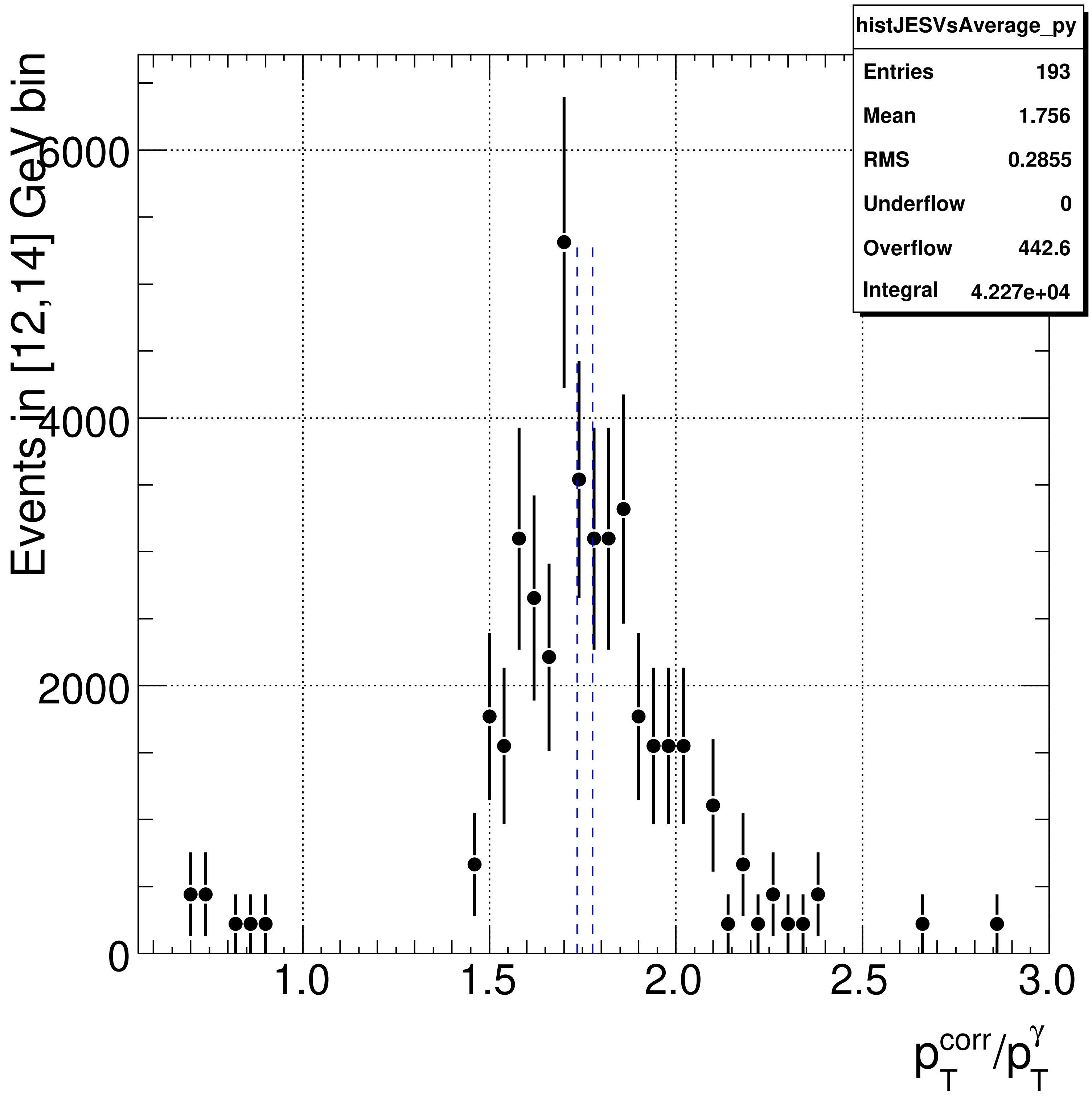

histJESVsAverage_py
Entries 132
Mean 360.7
RMS 36.08
Underflow 0
Overflow 0
Integral 24.11
Events in [350,400] GeV bin
1.0
0.5
0.0
300
400
500
p_T^{corr}

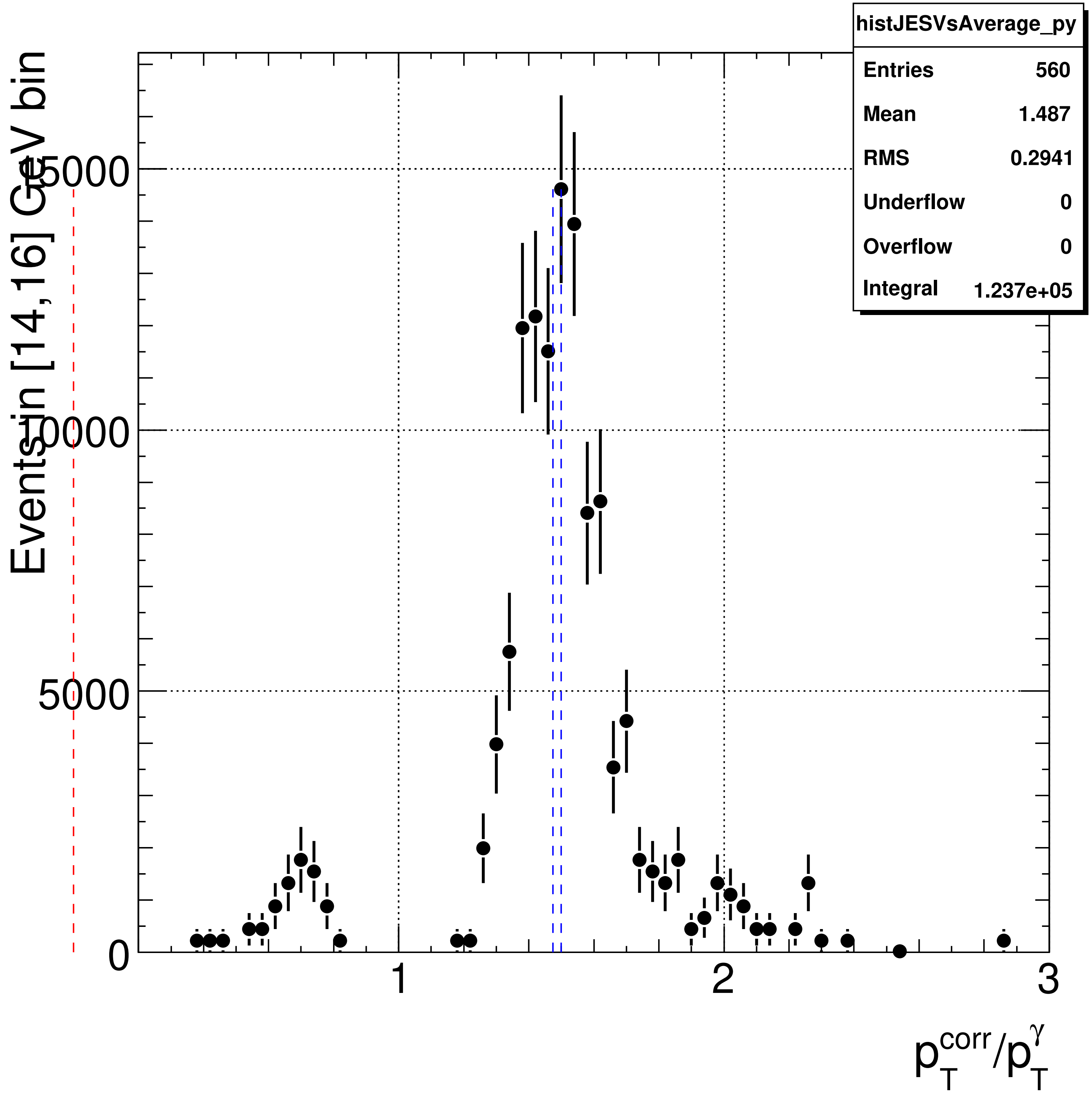

histJESVsAverage_py
Entries 96
Mean 424.6
RMS 45.53
Underflow 0
Overflow 0
Integral 17.53
Events in [400,500] GeV bin
1.0
0.5
0.0
300
400
500
600
p_T^{corr}

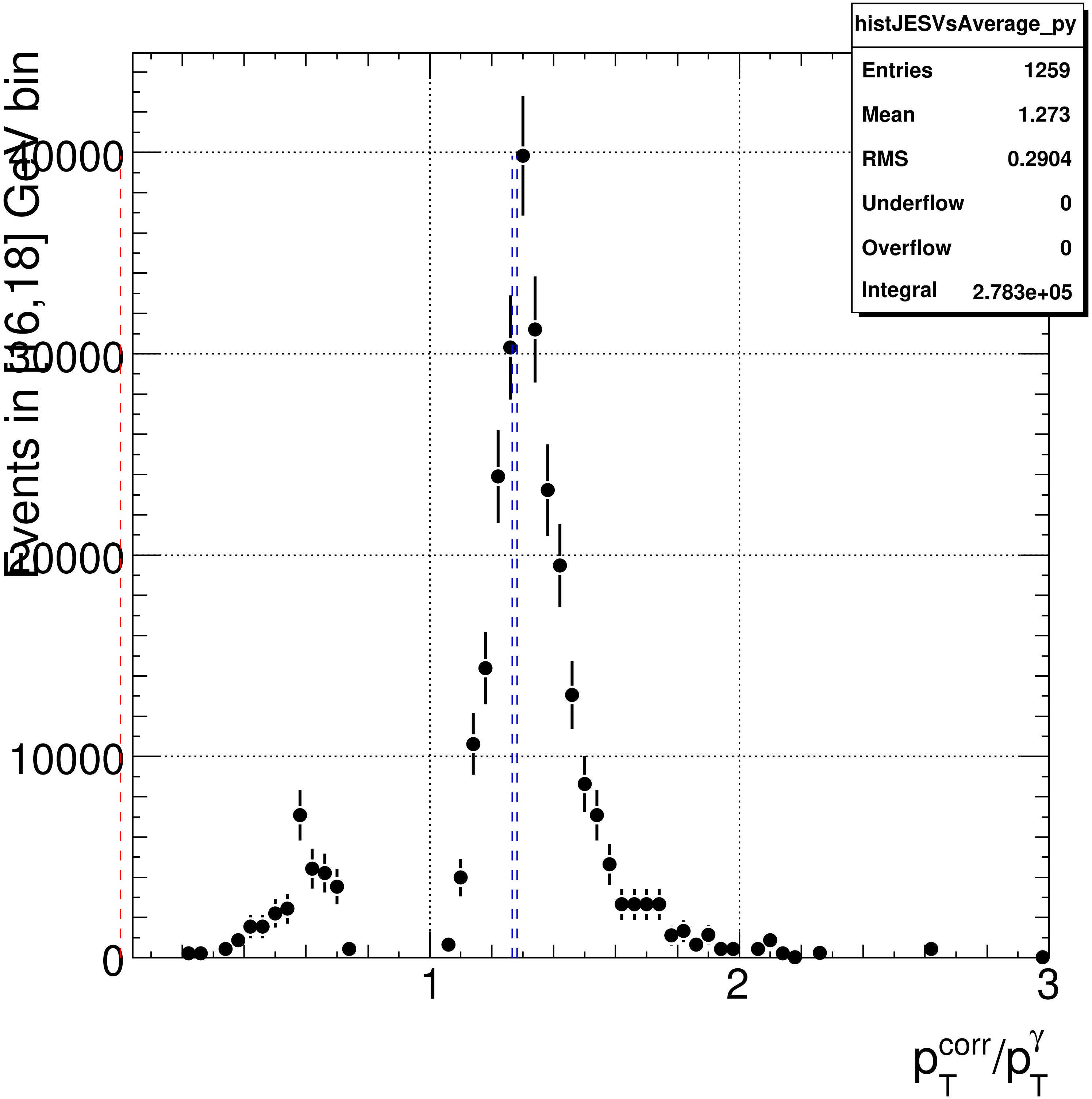


p_T^{corr}
400
300
200
100
0
0
200
400
p_T^{γ} [GeV]

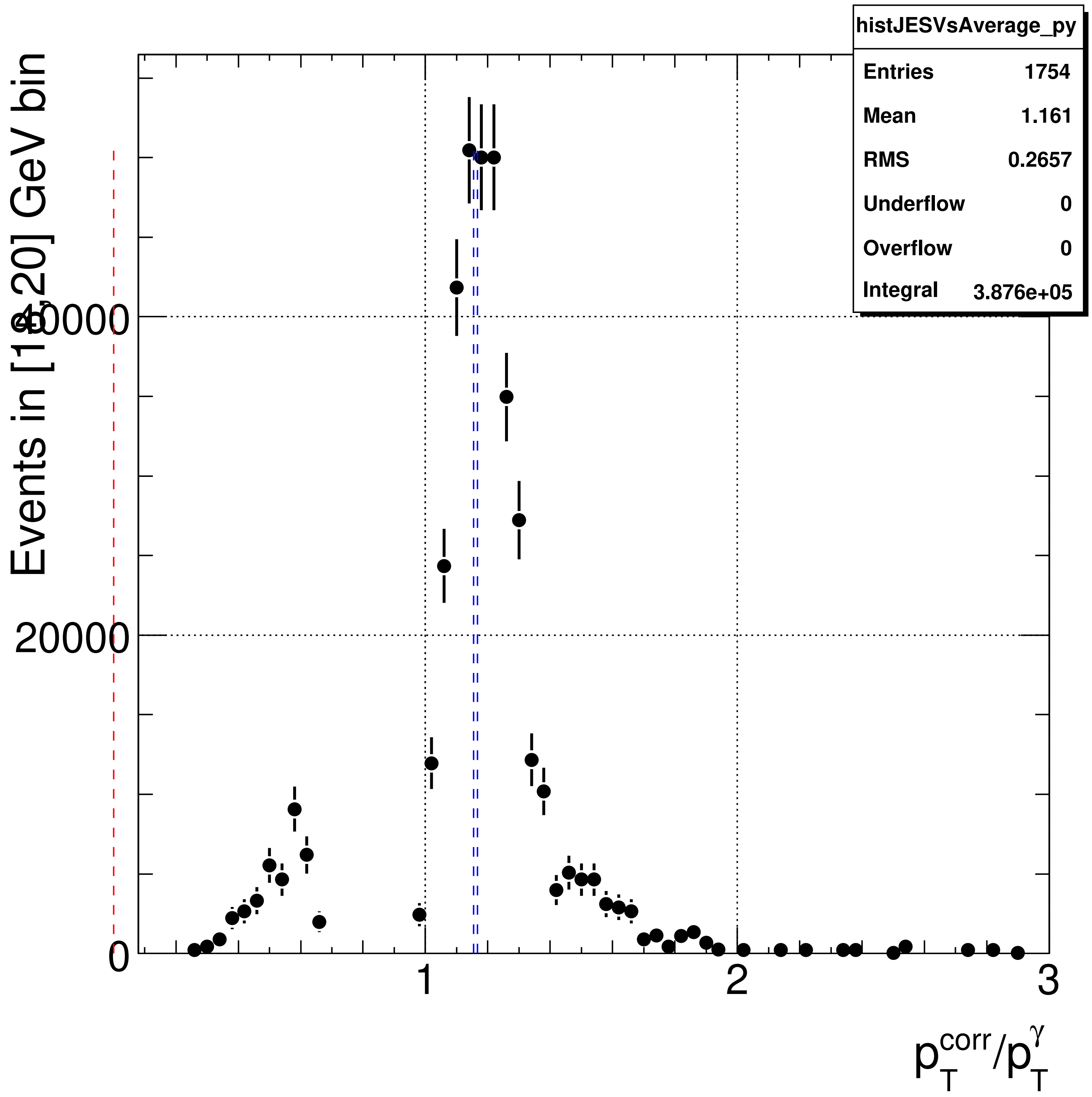

histJESVsAverage_py
Entries 40
Mean 2.034
RMS 0.4286
Underflow 0
Overflow 1130
Integral 7745
Events in [10,12] GeV bin
0
500
1000
1500
1.0
1.5
2.0
2.5
3.0
p_T^{corr}/p_T^{γ}


histJESVsAverage_py
Entries 193
Mean 1.756
RMS 0.2855
Underflow 0
Overflow 442.6
Integral 4.227e+04
Events in [12,14] GeV bin
0
2000
4000
6000
1.0
1.5
2.0
2.5
3.0
p_T^{corr}/p_T^{γ}

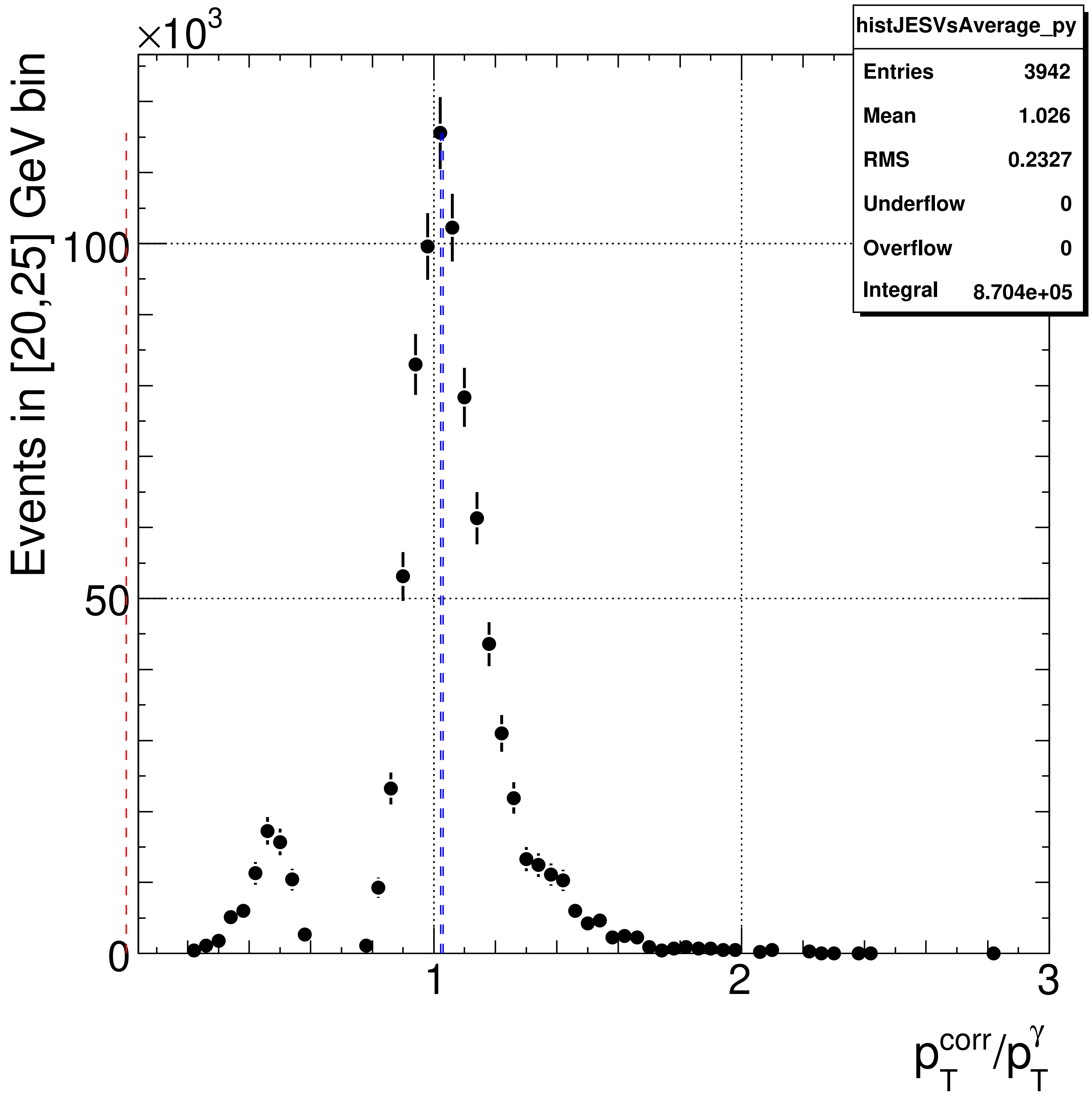

histJESVsAverage_py
Entries 560
Mean 1.487
RMS 0.2941
Underflow 0
Overflow 0
Integral 1.237e+05
Events in [14,16] GeV bin
p_T^{corr}/p_T^{γ}
0
5000
10000
15000
1
2
3



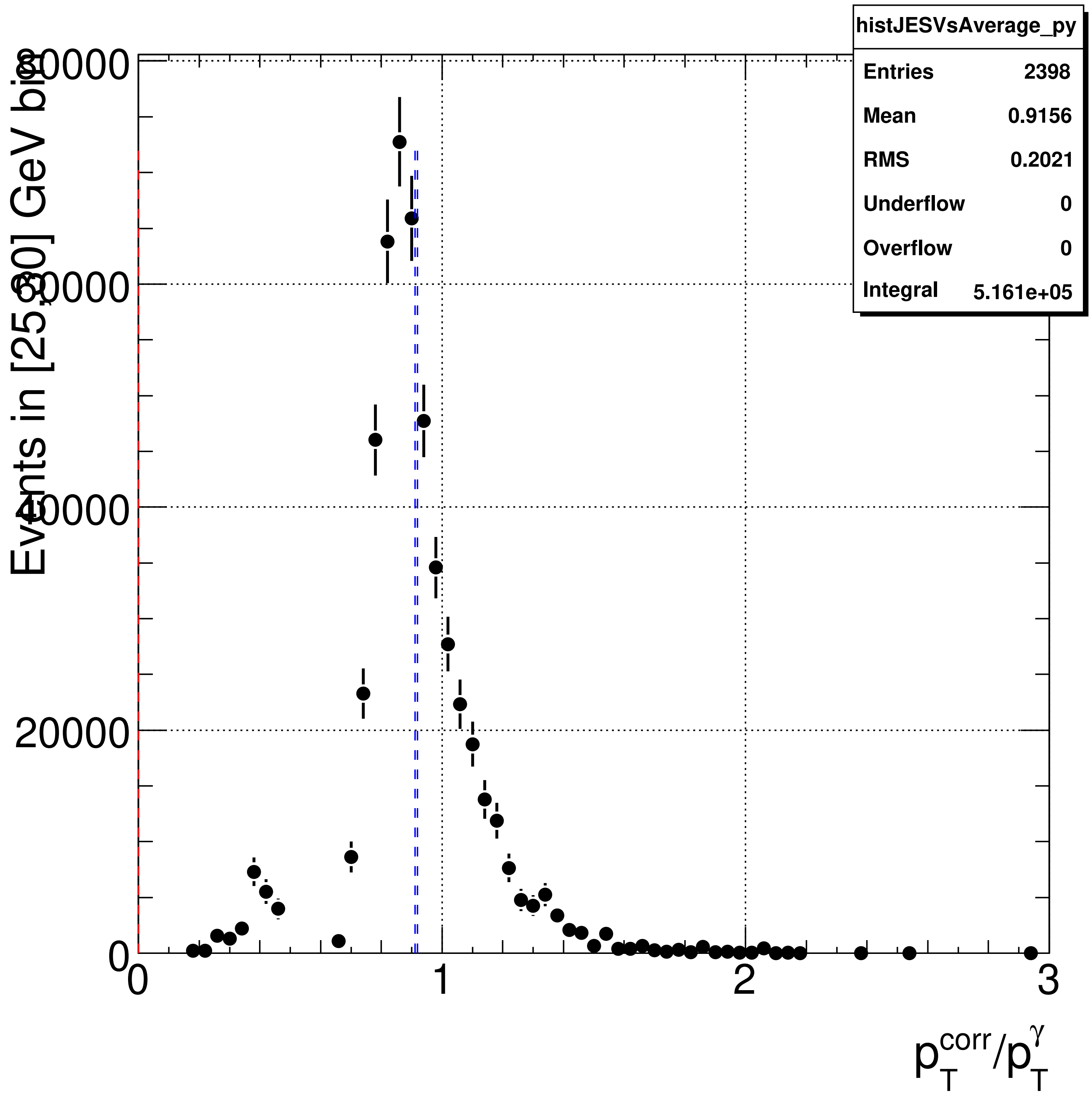
histJESVsAverage_py
Entries 1259
Mean 1.273
RMS 0.2904
Underflow 0
Overflow 0
Integral 2.783e+05
Events in [16,18] GeV bin
40000
30000
20000
10000
0
1
2
3
p_T^{corr}/p_T^{γ}



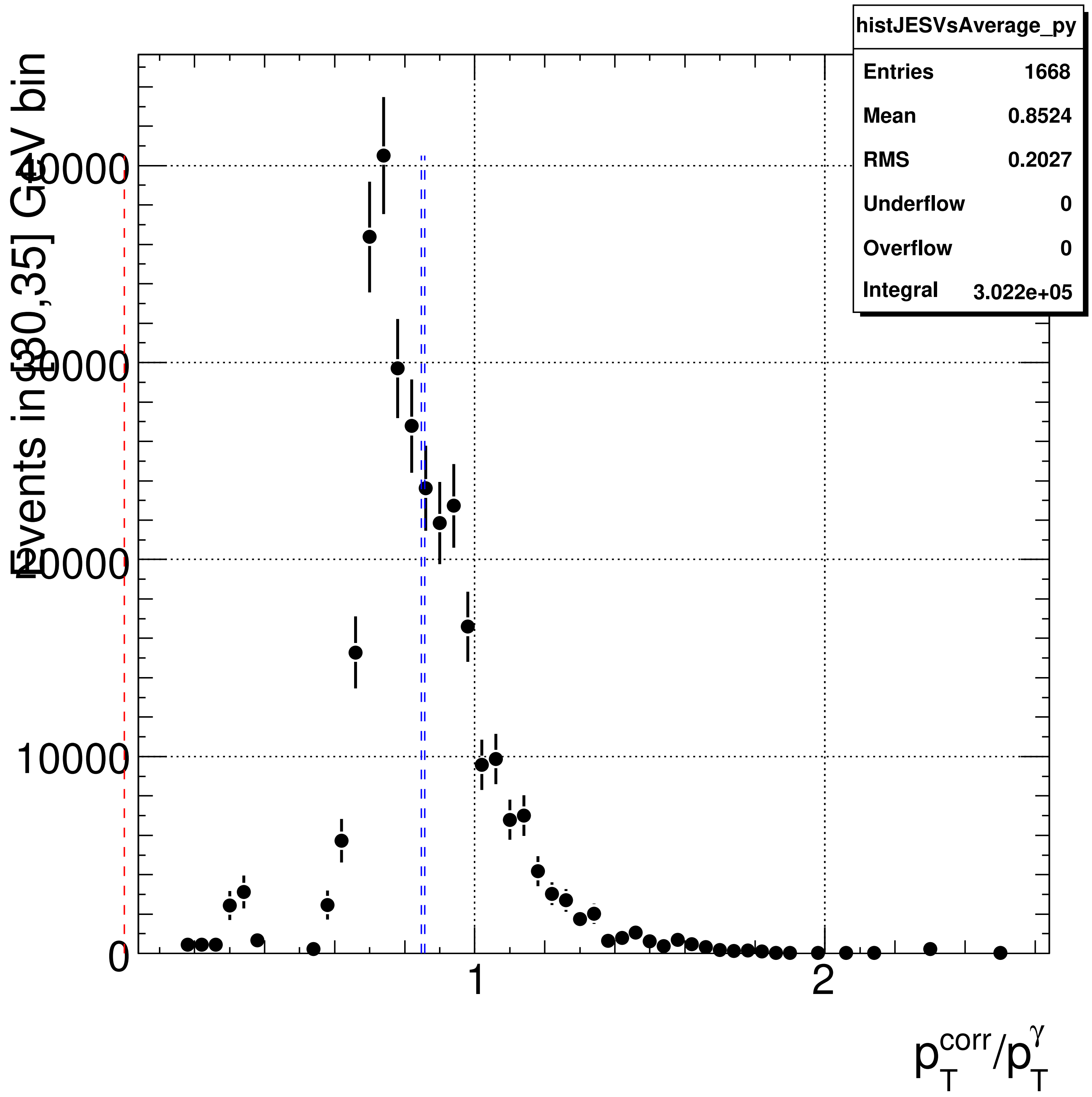
histJESVsAverage_py
Entries 1754
Mean 1.161
RMS 0.2657
Underflow 0
Overflow 0
Integral 3.876e+05
Events in [18,20] GeV bin
40000
20000
0
1
2
3
p_T^{corr}/p_T^{γ}

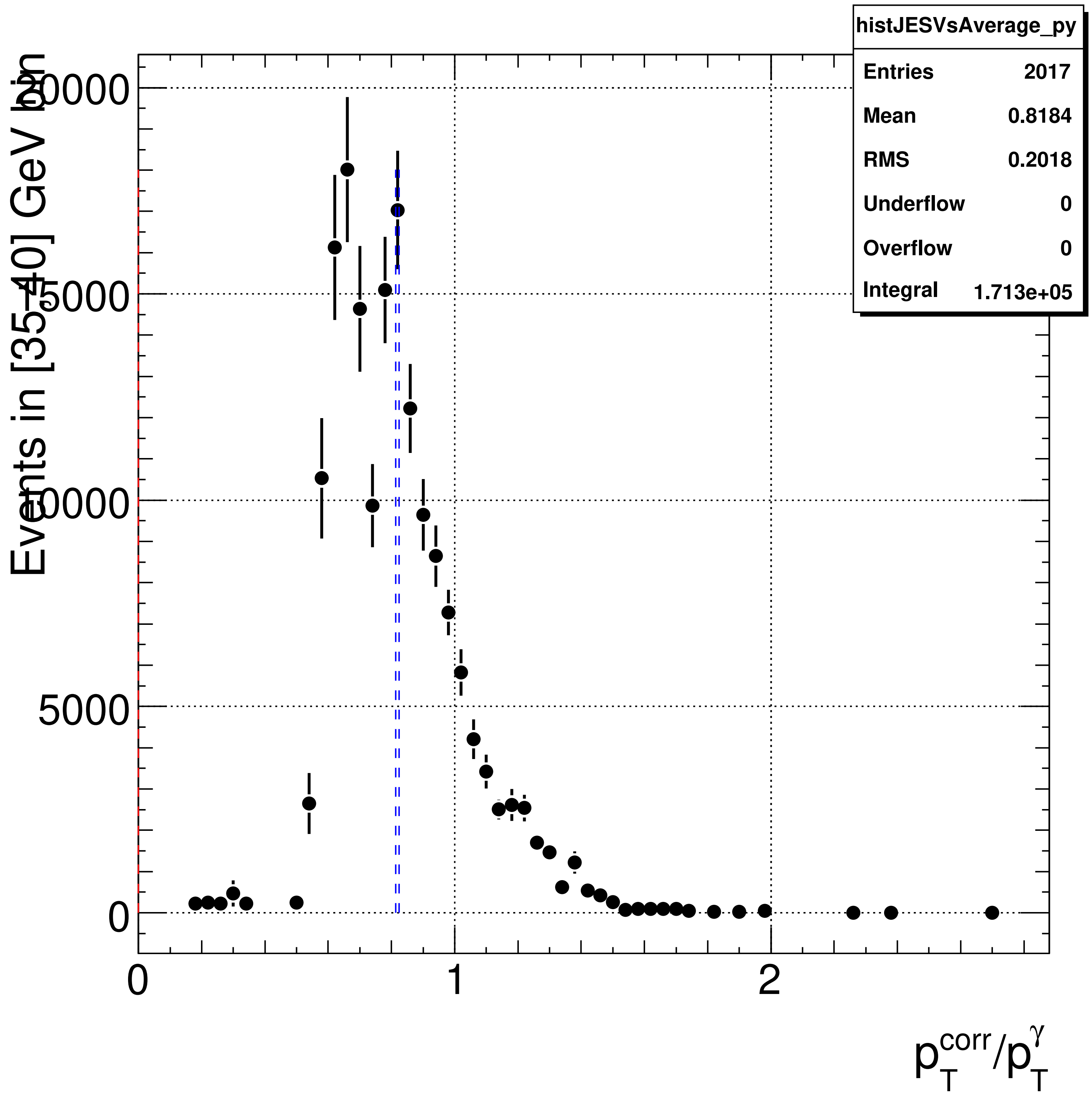


histJESVsAverage_py
Entries 3942
Mean 1.026
RMS 0.2327
Underflow 0
Overflow 0
Integral 8.704e+05
×10^3
Events in [20,25] GeV bin
100
50
0
1
2
3
p_T^corr/p_T^γ

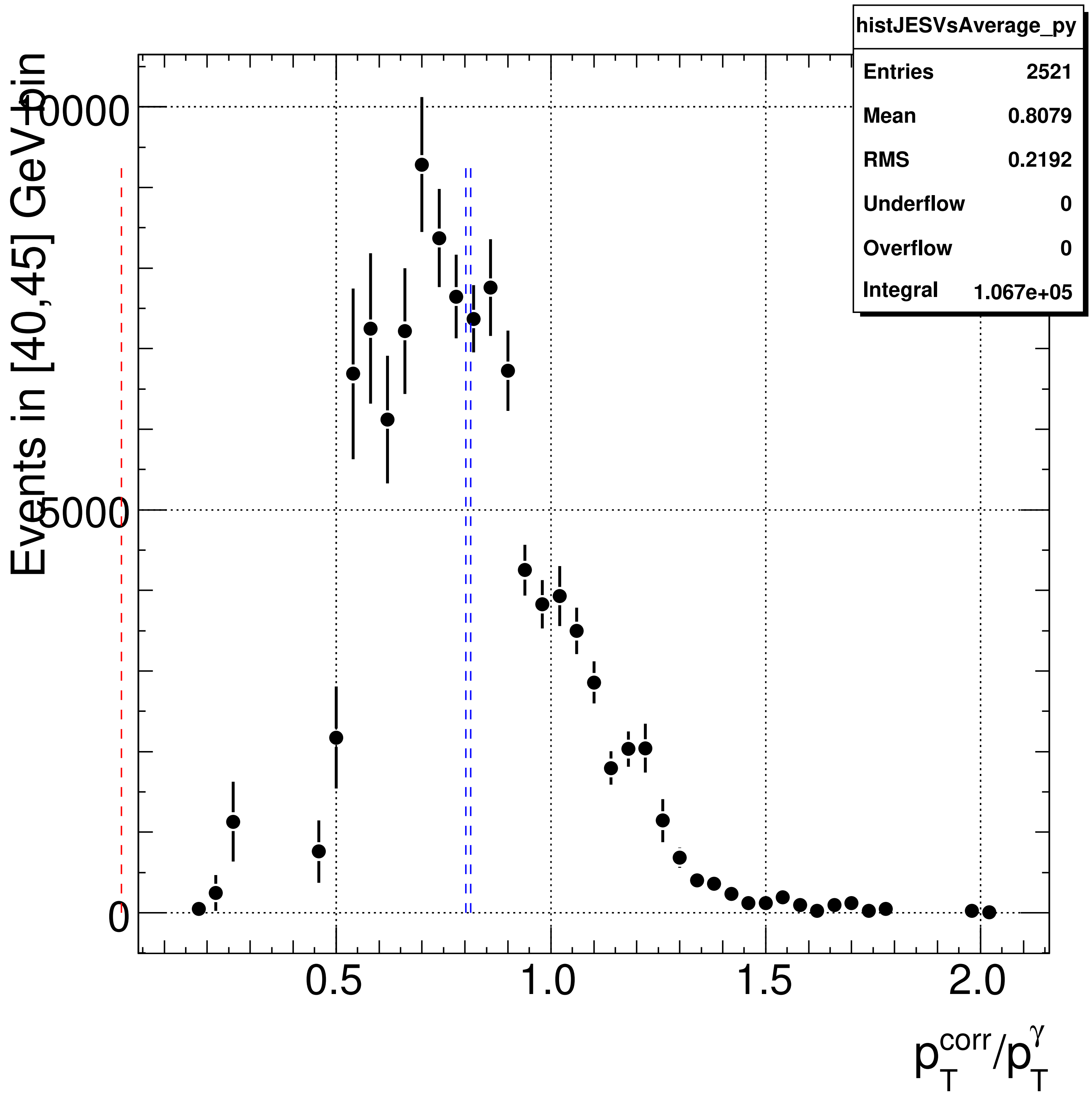


histJESVsAverage_py
Entries 2398
Mean 0.9156
RMS 0.2021
Underflow 0
Overflow 0
Integral 5.161e+05
Events in [25,30] GeV bin
0
20000
40000
60000
80000
0
1
2
3
p_T^{corr}/p_T^{γ}

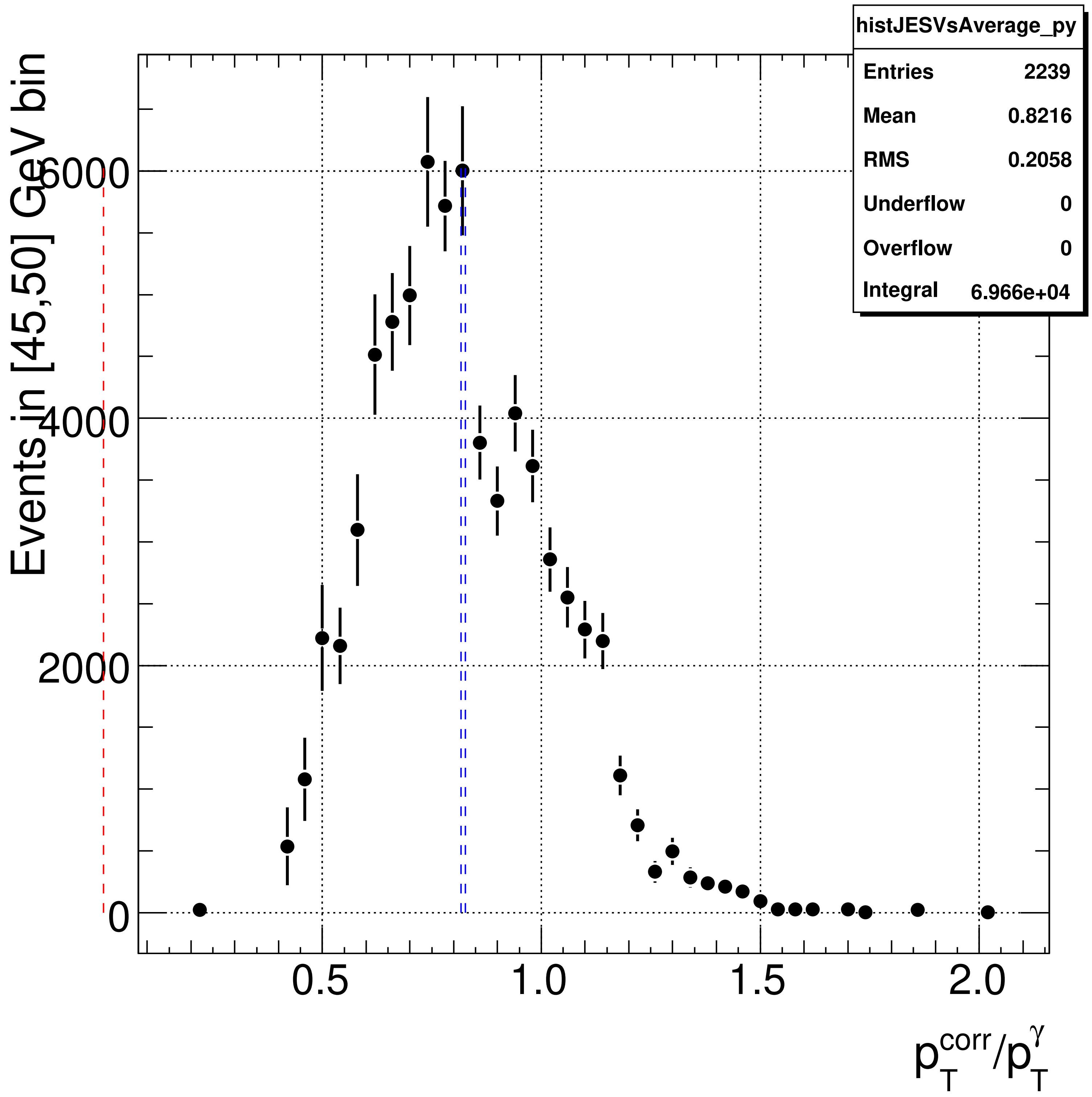

histJESVsAverage_py
Entries 1668
Mean 0.8524
RMS 0.2027
Underflow 0
Overflow 0
Integral 3.022e+05
Events in [30,35] GeV bin
p_T^{corr}/p_T^{γ}
0
10000
20000
30000
40000
1
2



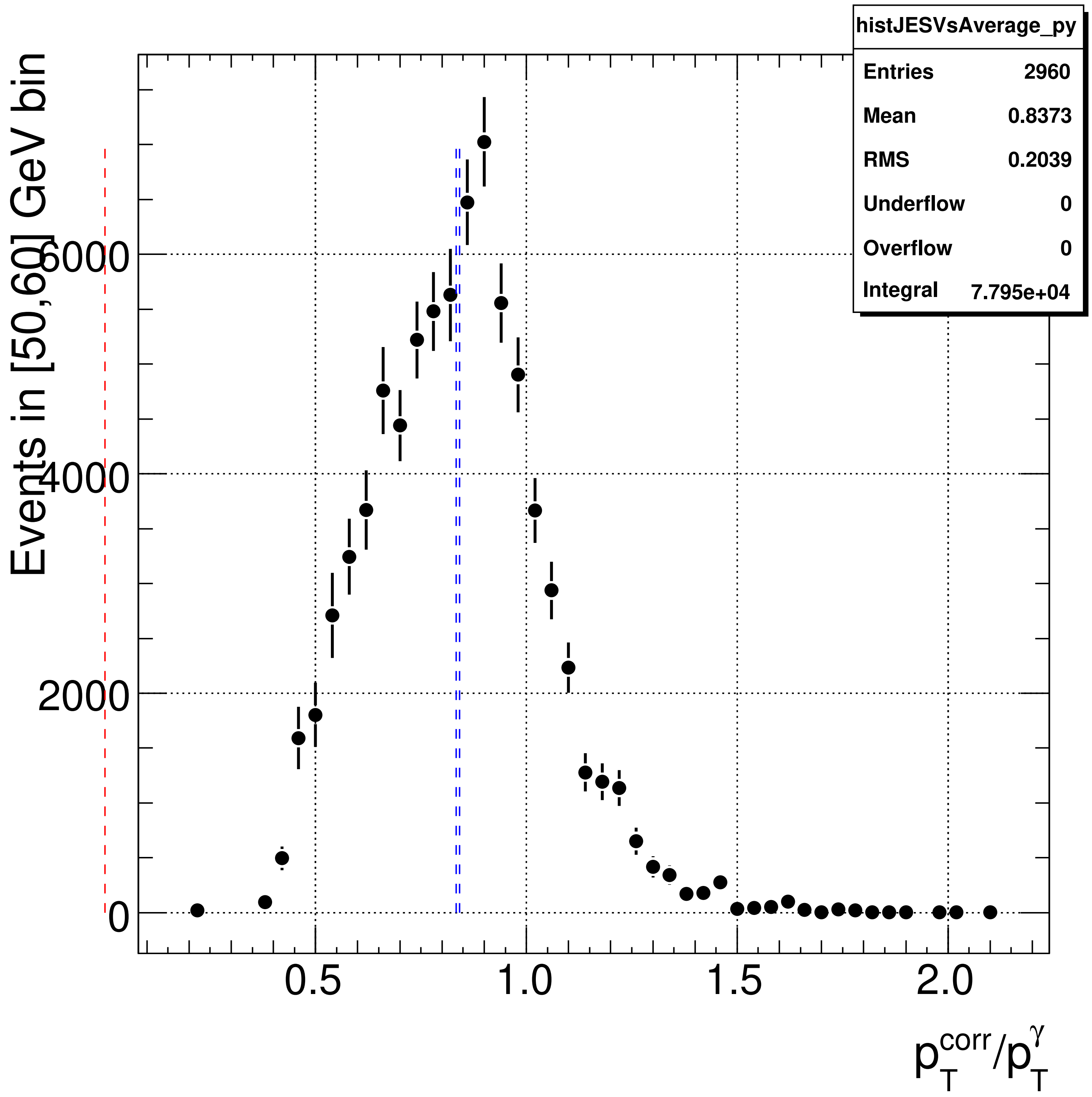
histJESVsAverage_py
Entries 2017
Mean 0.8184
RMS 0.2018
Underflow 0
Overflow 0
Integral 1.713e+05
Events in [35-40] GeV bin
0
5000
10000
15000
20000
0
1
2
p_T^{corr}/p_T^{γ}



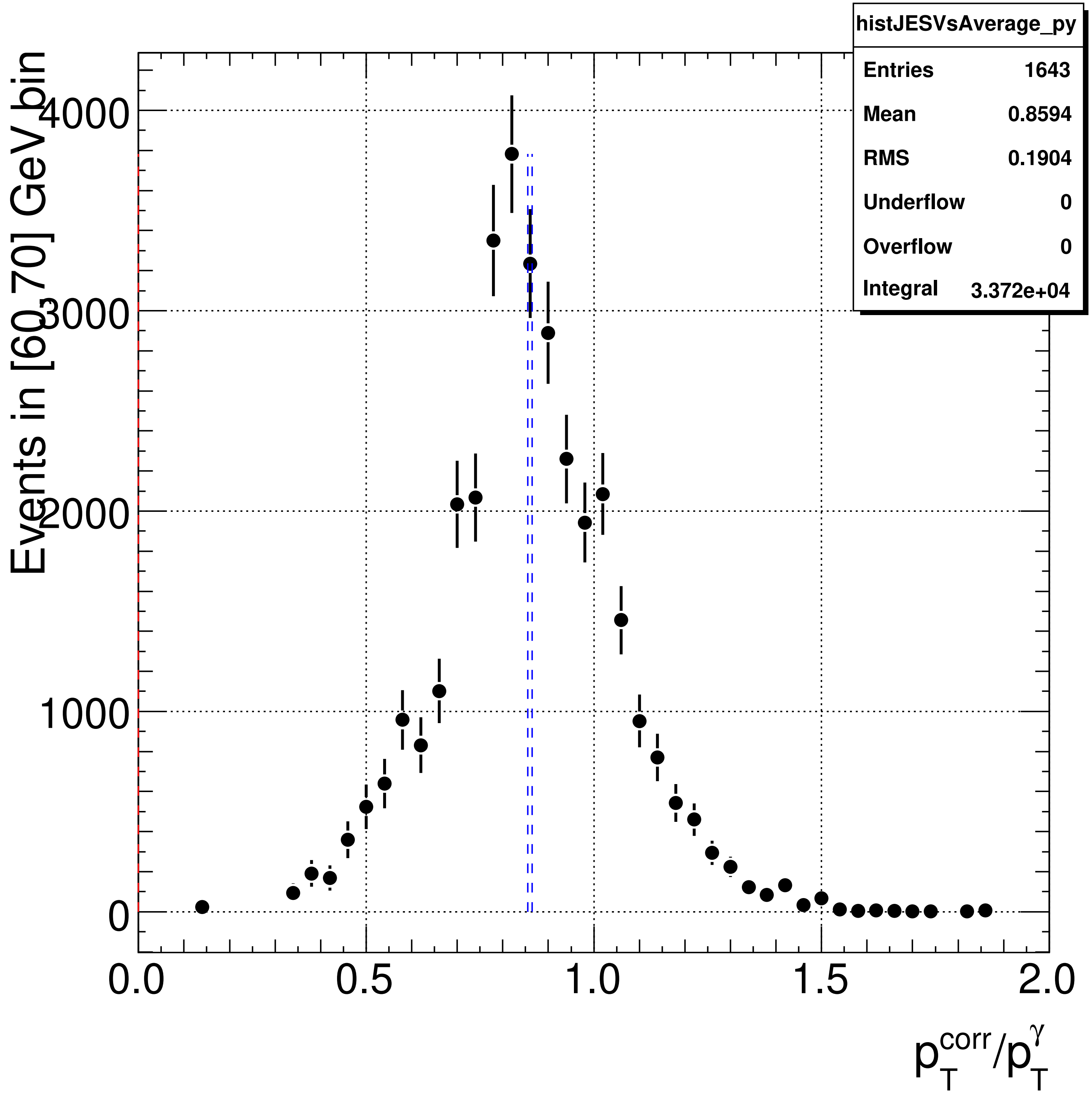
histJESVsAverage_py
Entries 2521
Mean 0.8079
RMS 0.2192
Underflow 0
Overflow 0
Integral 1.067e+05
Events in [40,45] GeV bin
10000
5000
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



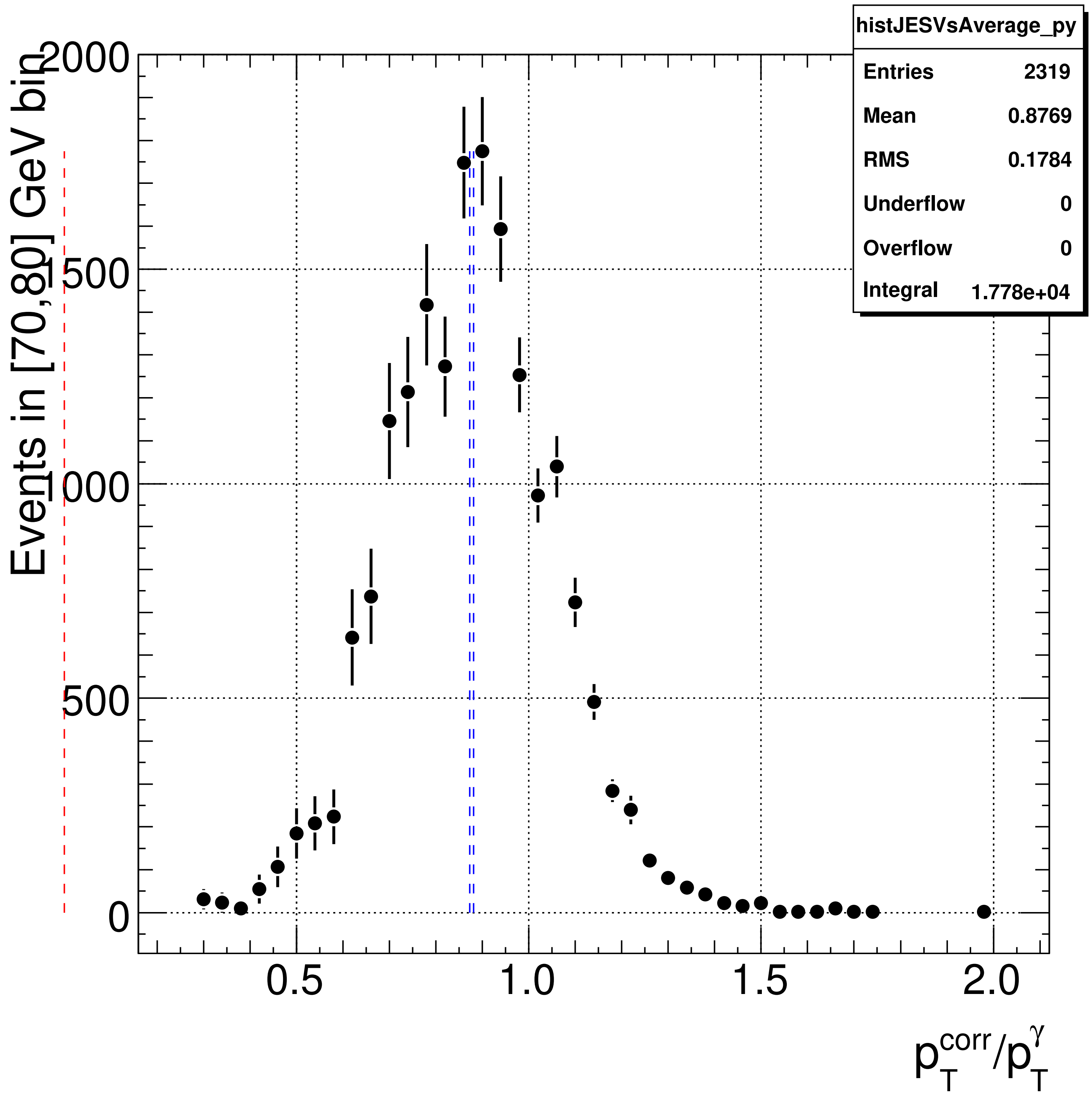
histJESVsAverage_py
Entries 2239
Mean 0.8216
RMS 0.2058
Underflow 0
Overflow 0
Integral 6.966e+04
Events in [45,50] GeV bin
6000
4000
2000
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



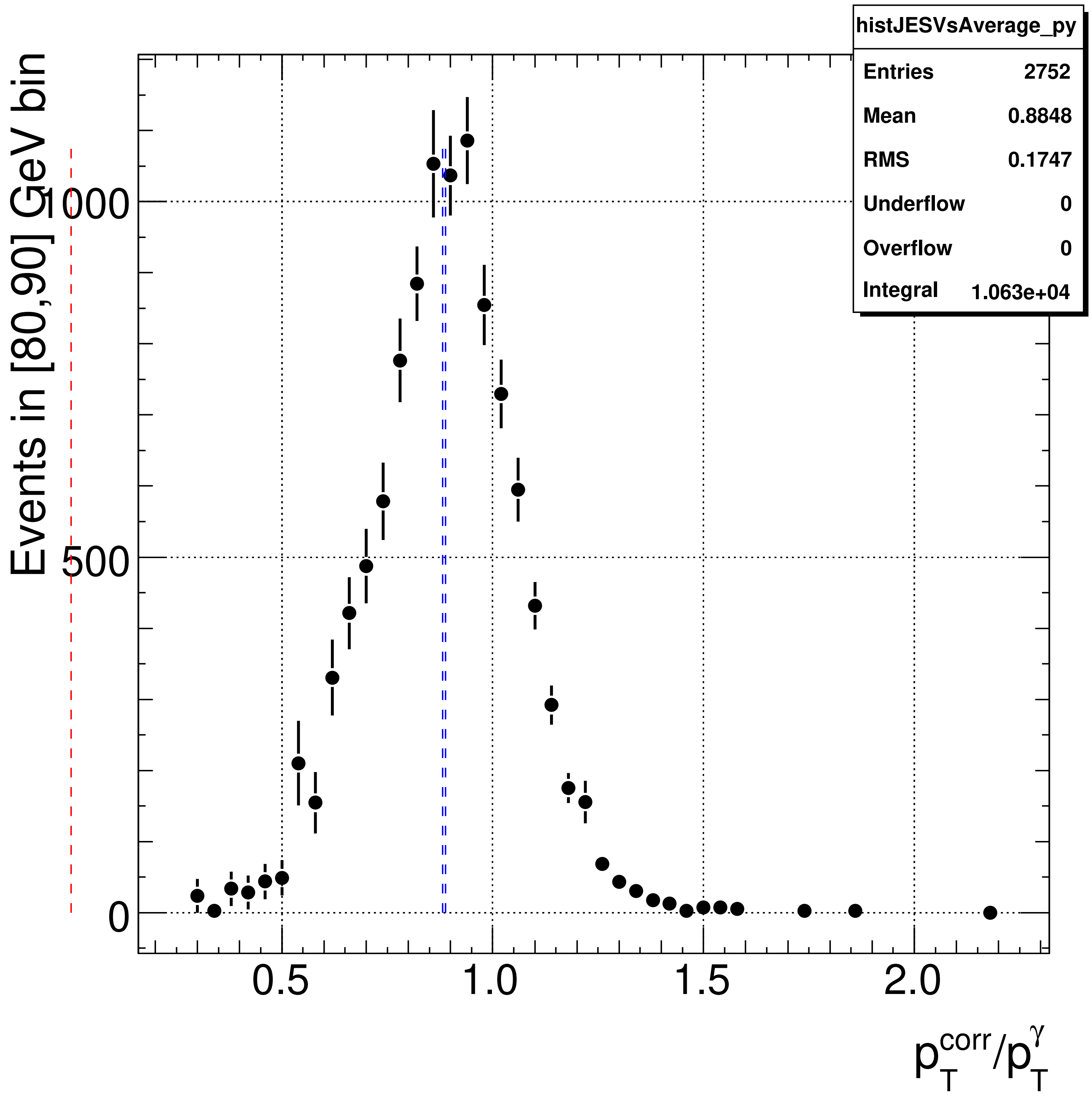
histJESVsAverage_py
Entries 2960
Mean 0.8373
RMS 0.2039
Underflow 0
Overflow 0
Integral 7.795e+04
Events in [50,60] GeV bin
0
2000
4000
6000
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}



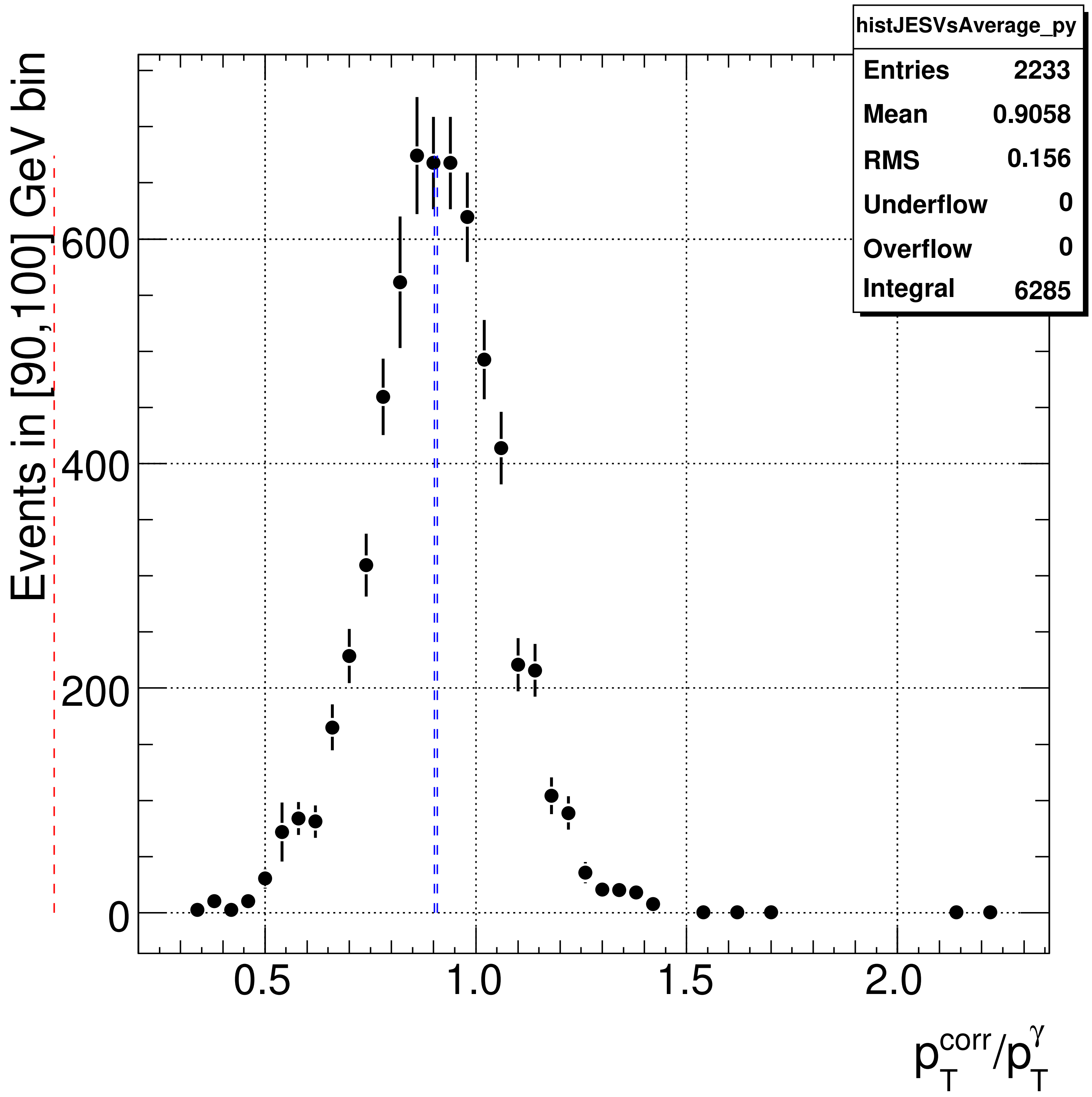
histJESVsAverage_py
Entries 1643
Mean 0.8594
RMS 0.1904
Underflow 0
Overflow 0
Integral 3.372e+04
Events in [60, 70] GeV bin
4000
3000
2000
1000
0
0.0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

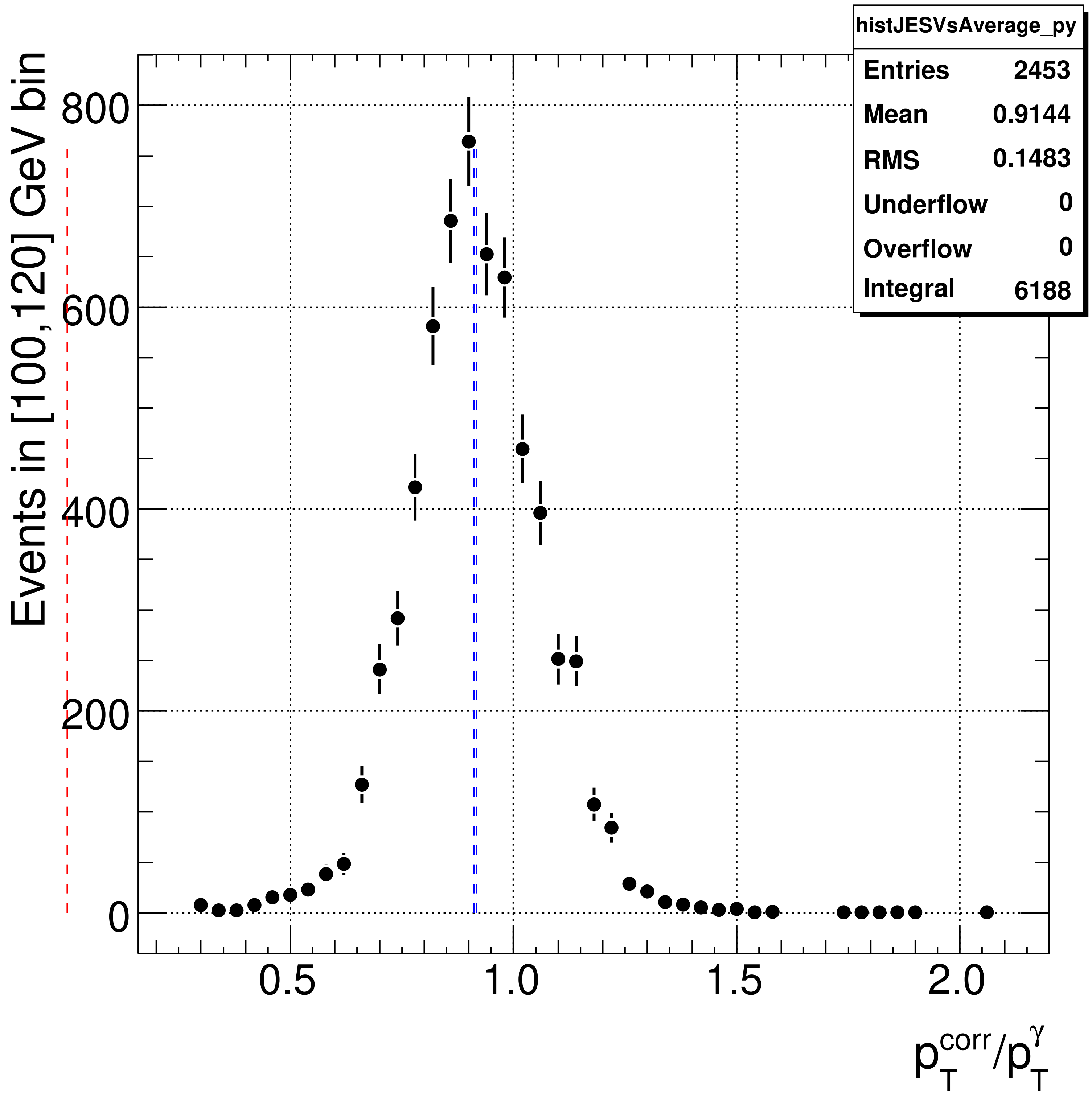


histJESVsAverage_py
Entries 2319
Mean 0.8769
RMS 0.1784
Underflow 0
Overflow 0
Integral 1.778e+04
Events in [70,80] GeV bin
2000
1500
1000
500
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

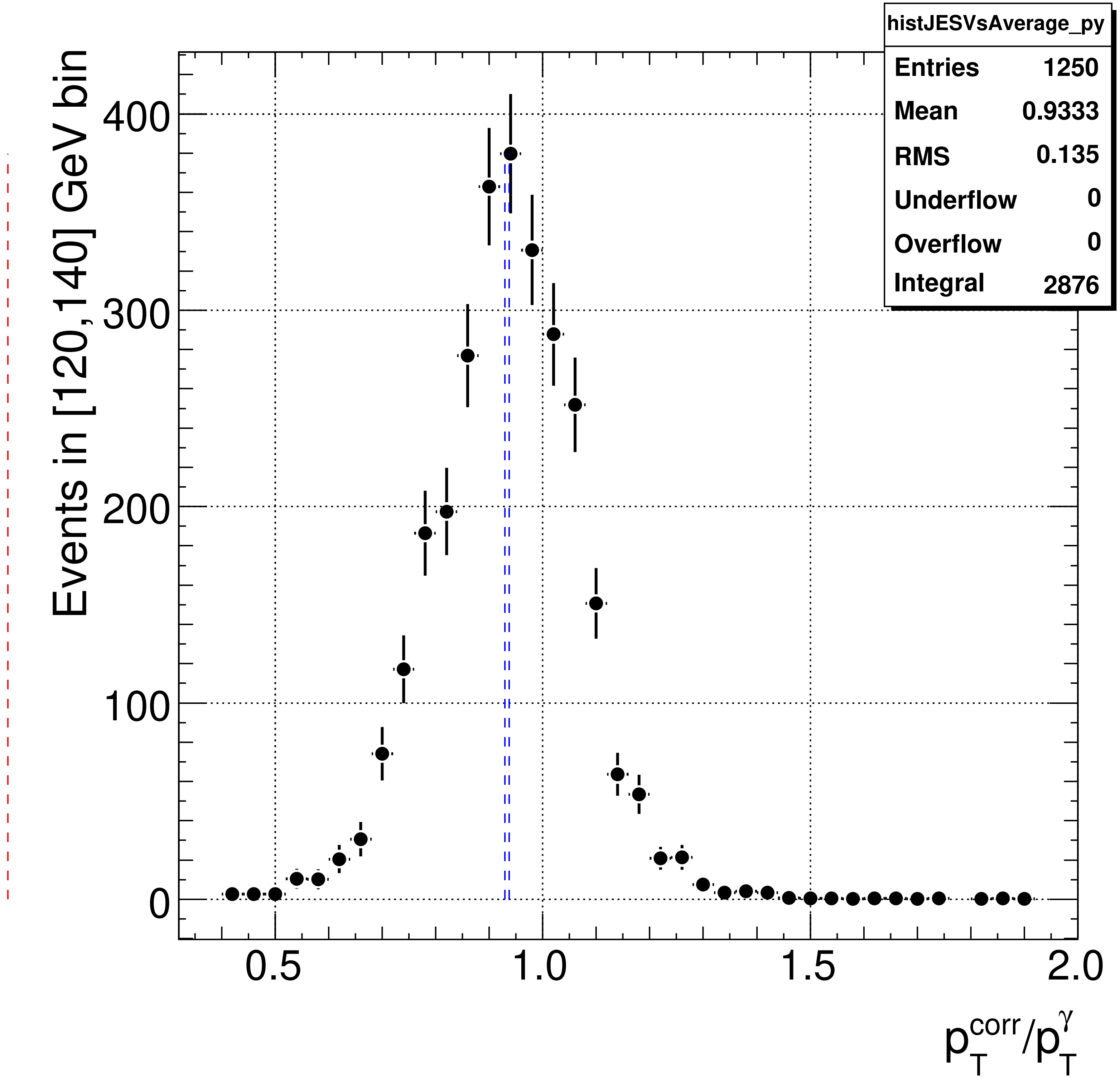


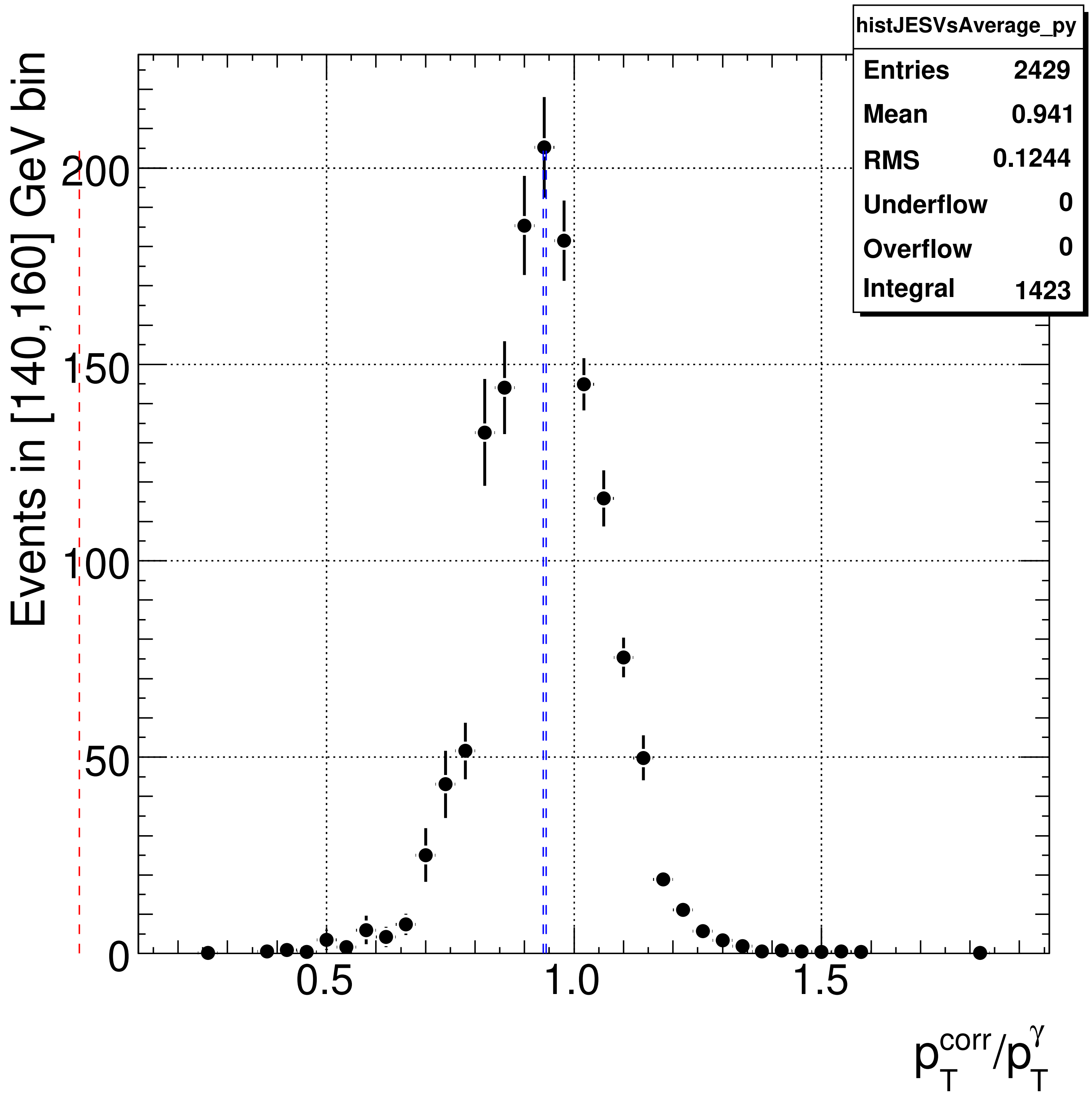
histJESVsAverage_py
Entries 2752
Mean 0.8848
RMS 0.1747
Underflow 0
Overflow 0
Integral 1.063e+04
Events in [80,90] GeV bin
1000
500
0
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}


histJESVsAverage_py
Entries 2233
Mean 0.9058
RMS 0.156
Underflow 0
Overflow 0
Integral 6285
Events in [90,100] GeV bin
0
200
400
600
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

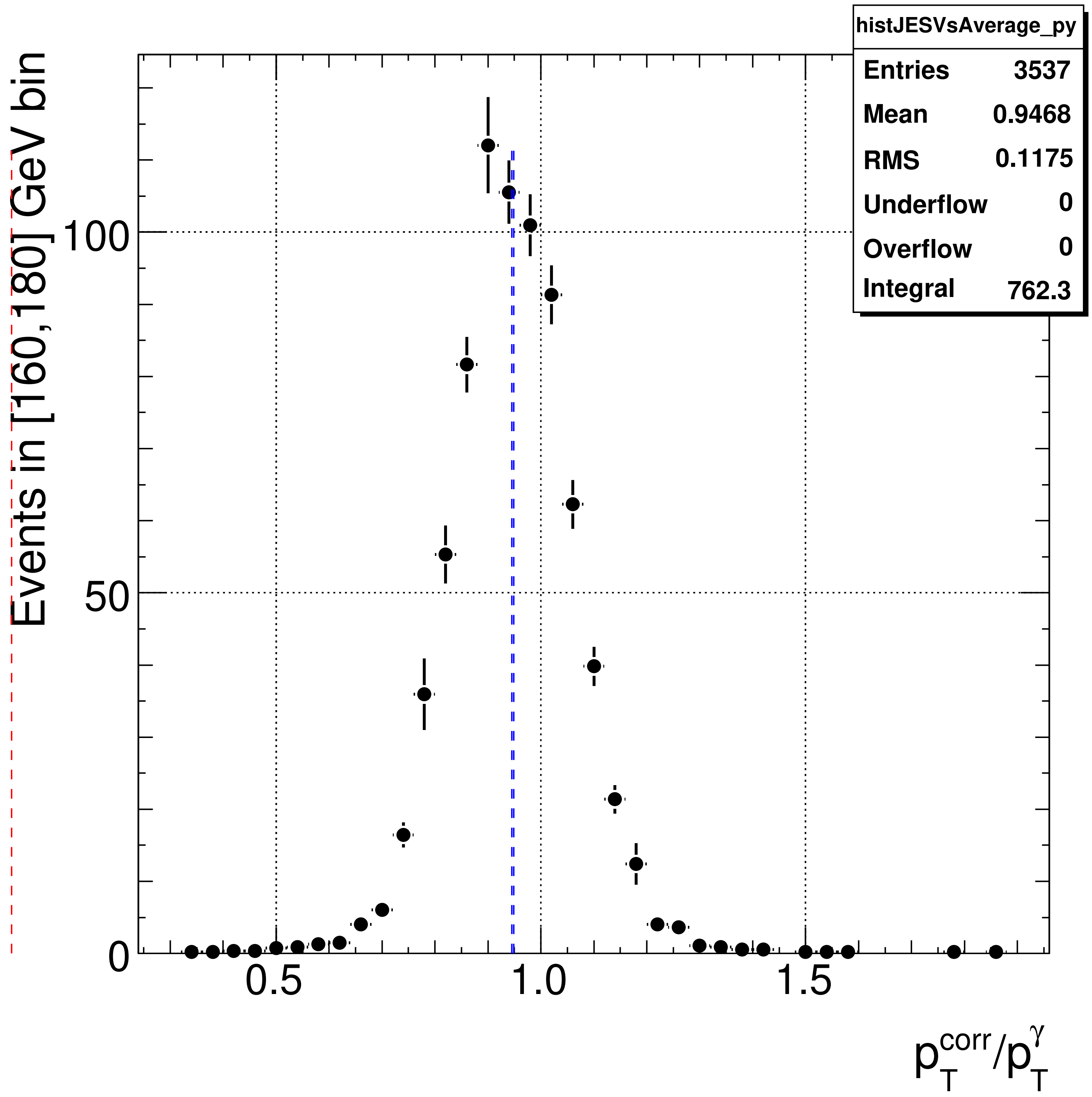


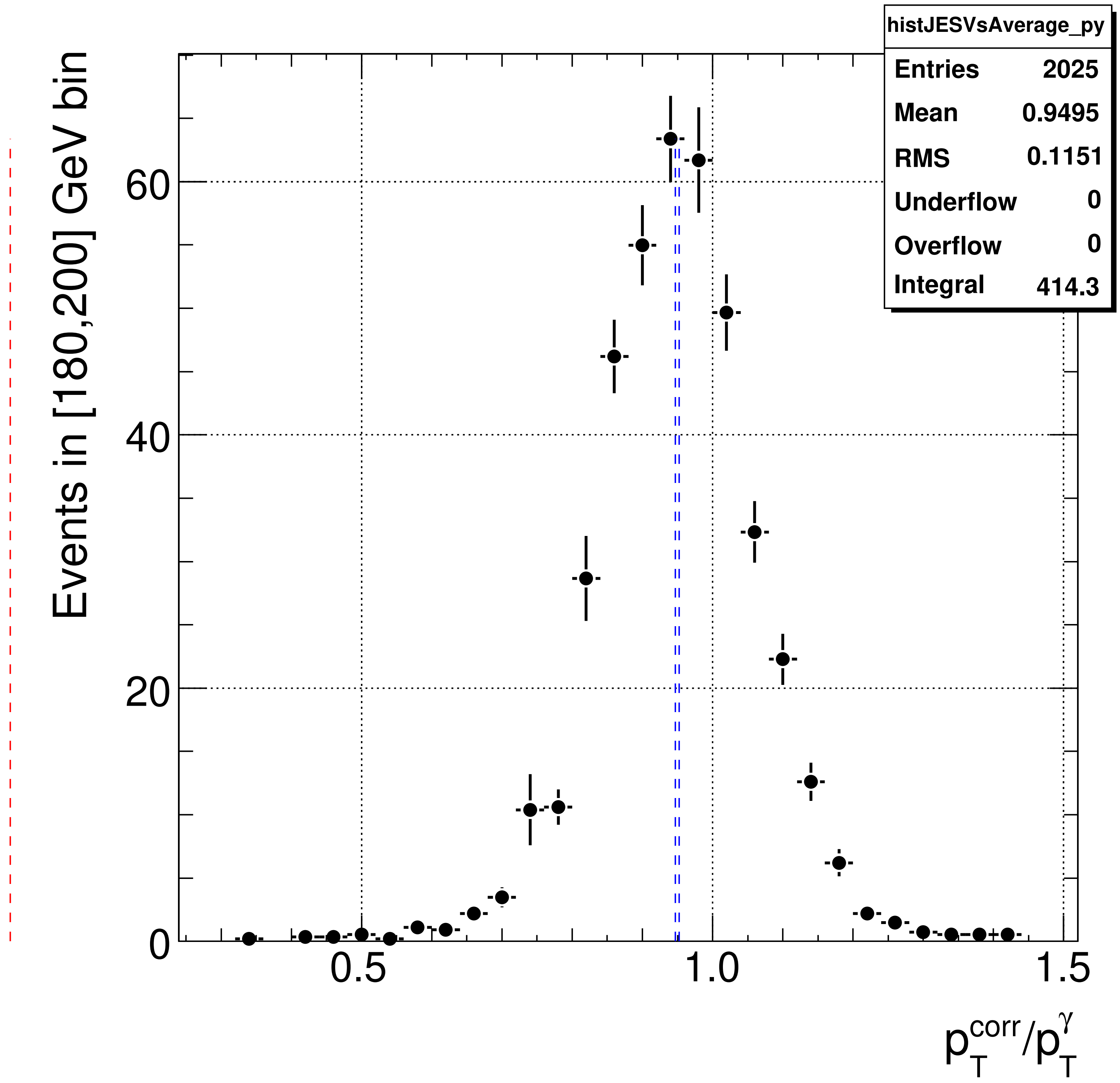
histJESVsAverage_py
Entries 2453
Mean 0.9144
RMS 0.1483
Underflow 0
Overflow 0
Integral 6188
Events in [100,120] GeV bin
0
200
400
600
800
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}


histJESVsAverage_py
Entries 1250
Mean 0.9333
RMS 0.135
Underflow 0
Overflow 0
Integral 2876
Events in [120,140] GeV bin
0
100
200
300
400
0.5
1.0
1.5
2.0
p_T^{corr}/p_T^{γ}

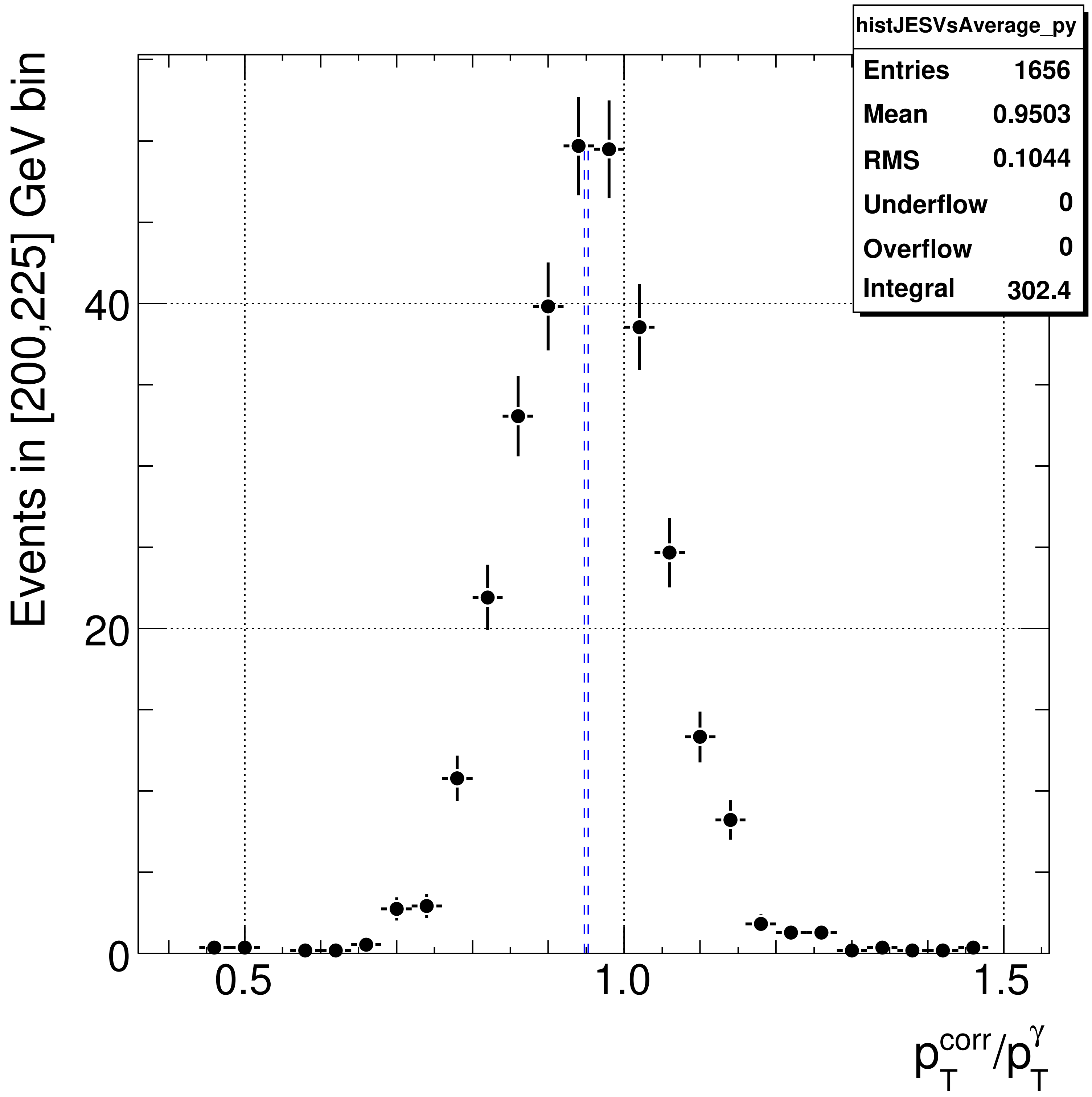


histJESVsAverage_py
Entries 2429
Mean 0.941
RMS 0.1244
Underflow 0
Overflow 0
Integral 1423
Events in [140,160] GeV bin
0
50
100
150
200
0.5
1.0
1.5
p_T^{corr}/p_T^{γ}

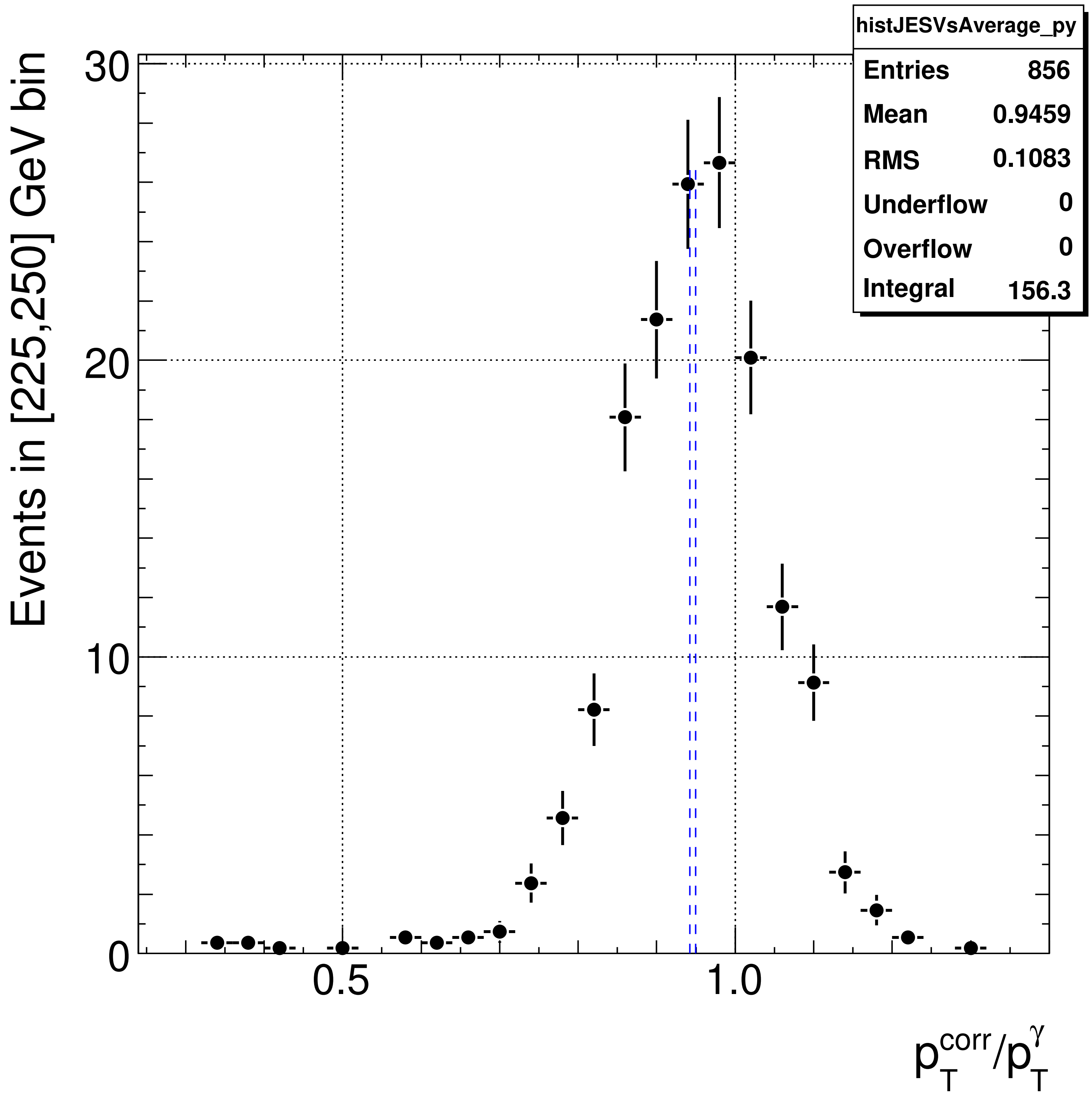

histJESVsAverage_py
Entries 3537
Mean 0.9468
RMS 0.1175
Underflow 0
Overflow 0
Integral 762.3
Events in [160,180] GeV bin
0
50
100
0.5
1.0
1.5
p_T^{corr}/p_T^{γ}



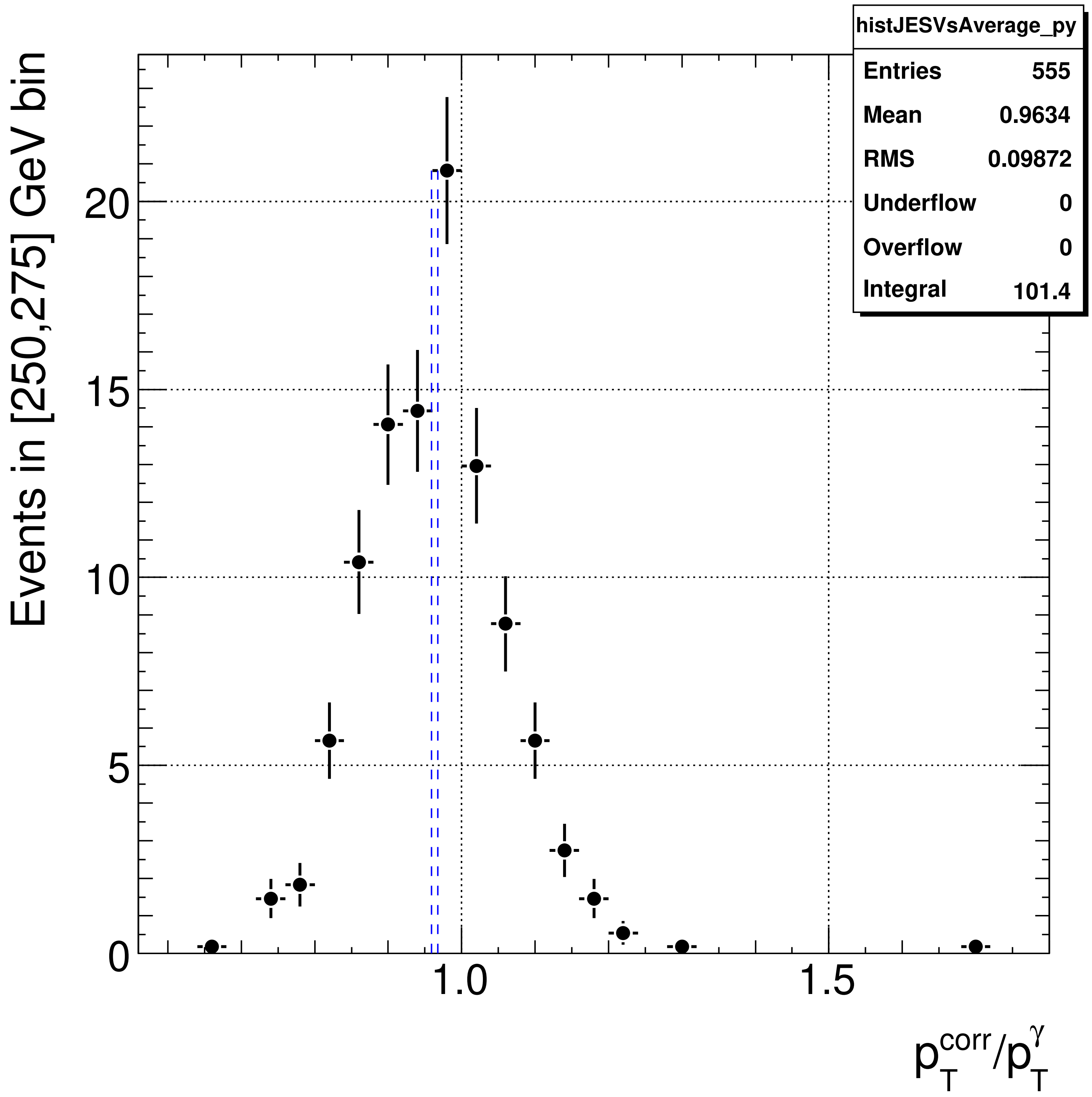
histJESVsAverage_py
Entries 2025
Mean 0.9495
RMS 0.1151
Underflow 0
Overflow 0
Integral 414.3
Events in [180,200] GeV bin
0
20
40
60
0.5
1.0
1.5
p_T^{corr}/p_T^{γ}

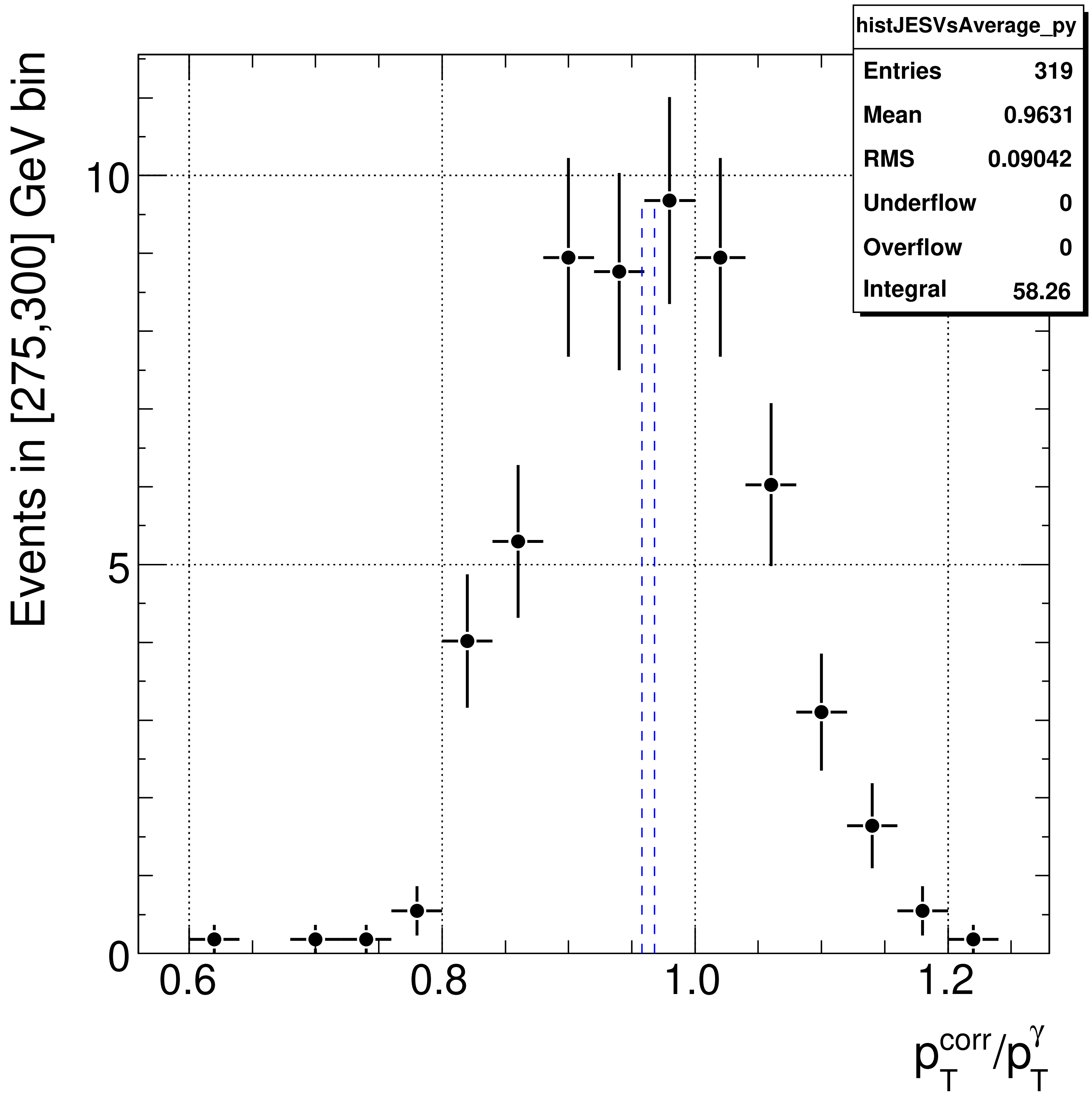


histJESVsAverage_py
Entries 1656
Mean 0.9503
RMS 0.1044
Underflow 0
Overflow 0
Integral 302.4
Events in [200,225] GeV bin
0
20
40
0.5
1.0
1.5
p_T^{corr}/p_T^{γ}

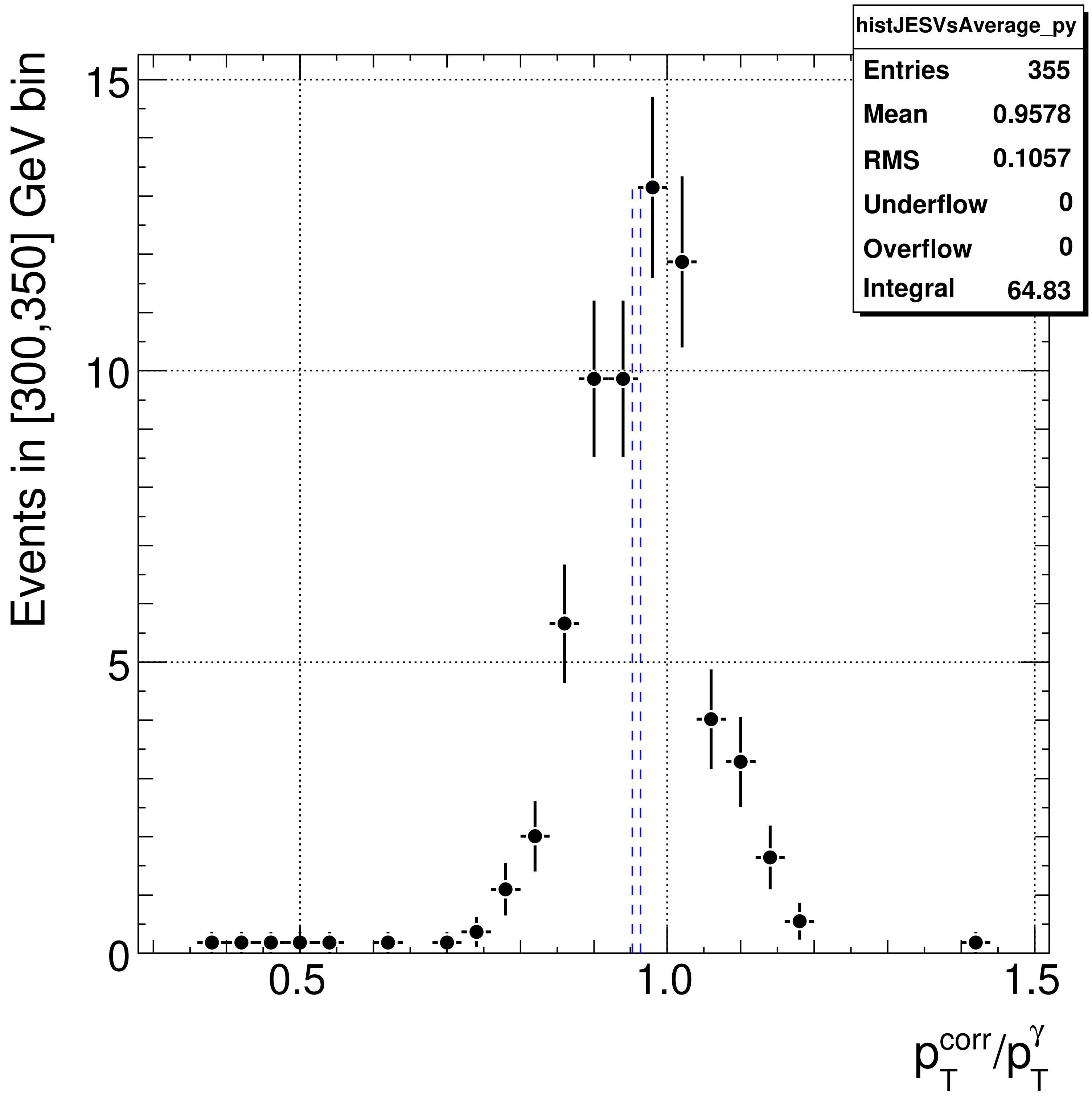


histJESVsAverage_py
Entries 856
Mean 0.9459
RMS 0.1083
Underflow 0
Overflow 0
Integral 156.3
Events in [225,250] GeV bin
0
10
20
30
0.5
1.0
p_T^{corr}/p_T^{γ}

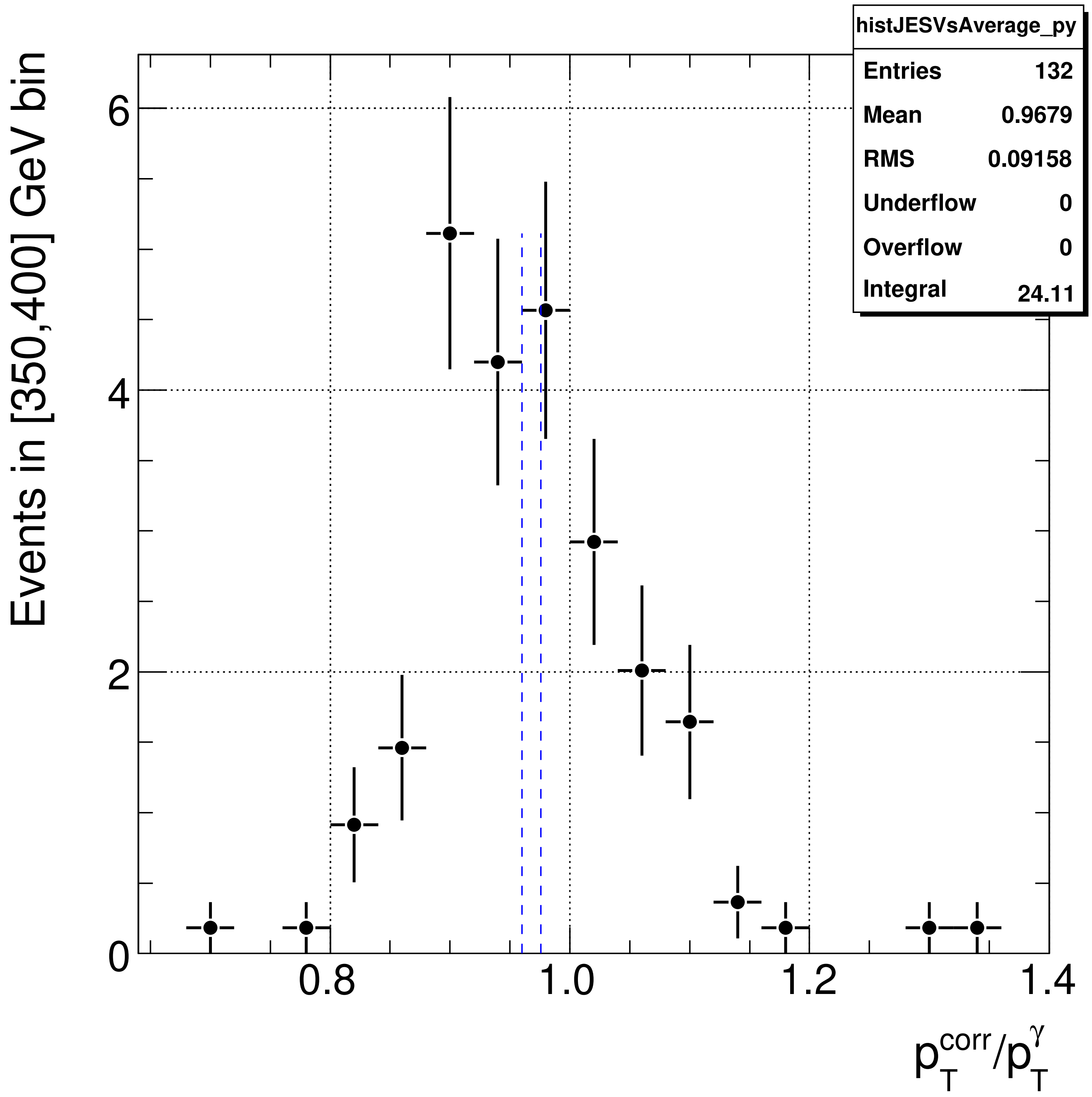

histJESVsAverage_py
Entries 555
Mean 0.9634
RMS 0.09872
Underflow 0
Overflow 0
Integral 101.4
Events in [250,275] GeV bin
0
5
10
15
20
1.0
1.5
p_T^{corr}/p_T^{γ}



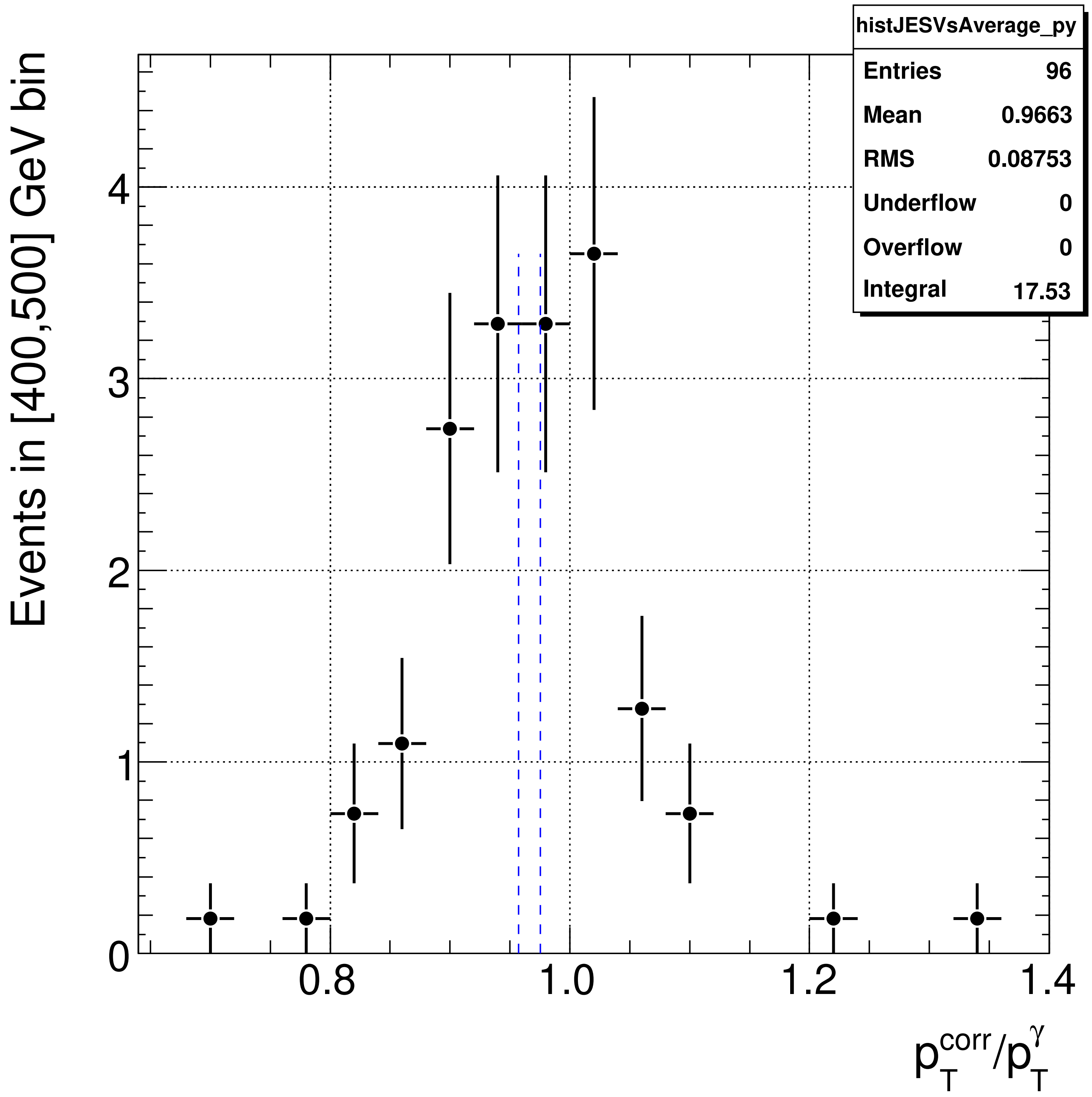
histJESVsAverage_py
Entries 319
Mean 0.9631
RMS 0.09042
Underflow 0
Overflow 0
Integral 58.26
Events in [275,300] GeV bin
0
5
10
0.6
0.8
1.0
1.2
p_T^{corr}/p_T^{γ}

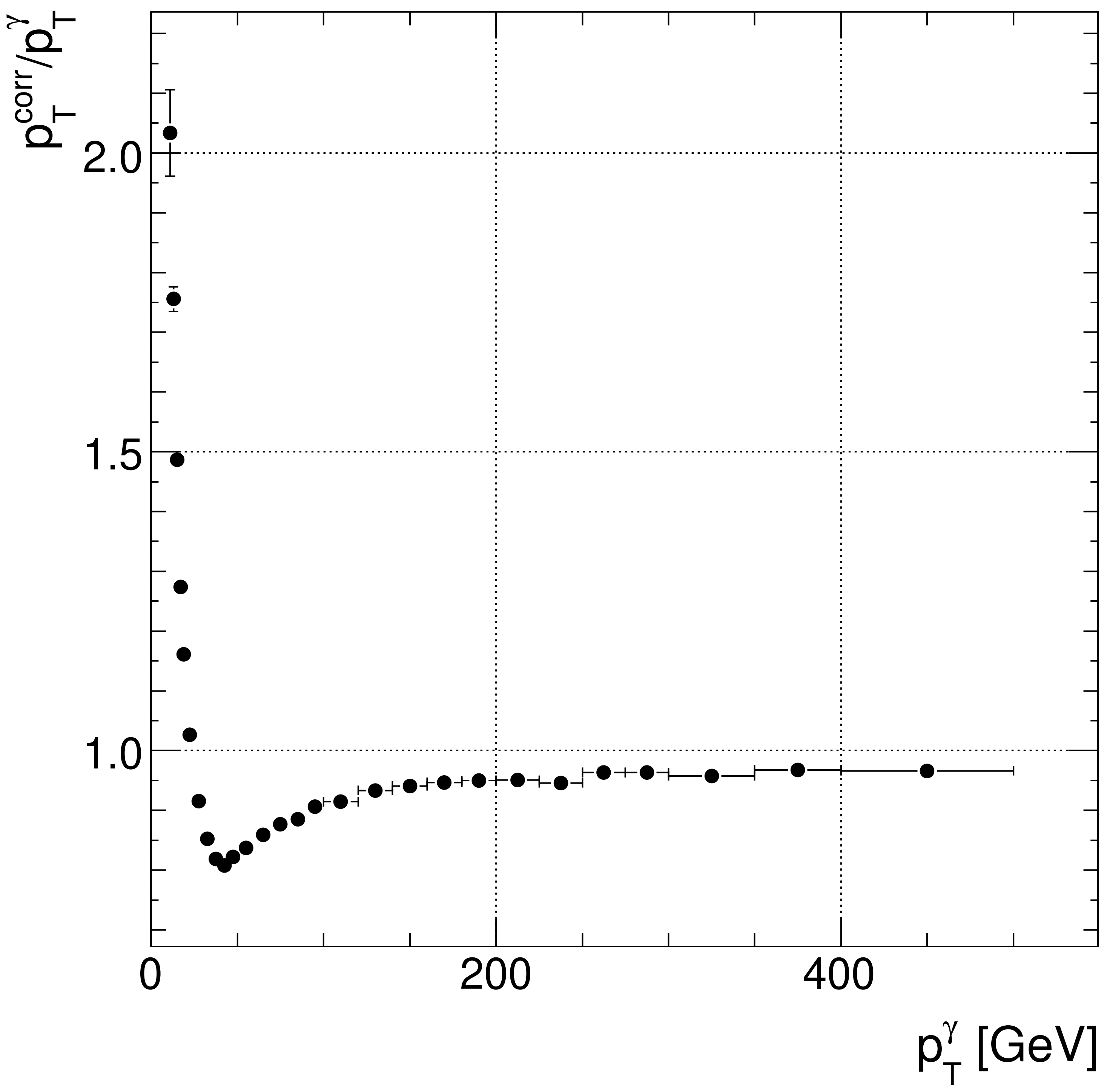


histJESVsAverage_py
Entries 355
Mean 0.9578
RMS 0.1057
Underflow 0
Overflow 0
Integral 64.83
Events in [300,350] GeV bin
0
5
10
15
0.5
1.0
1.5
p_T^{corr}/p_T^{γ}

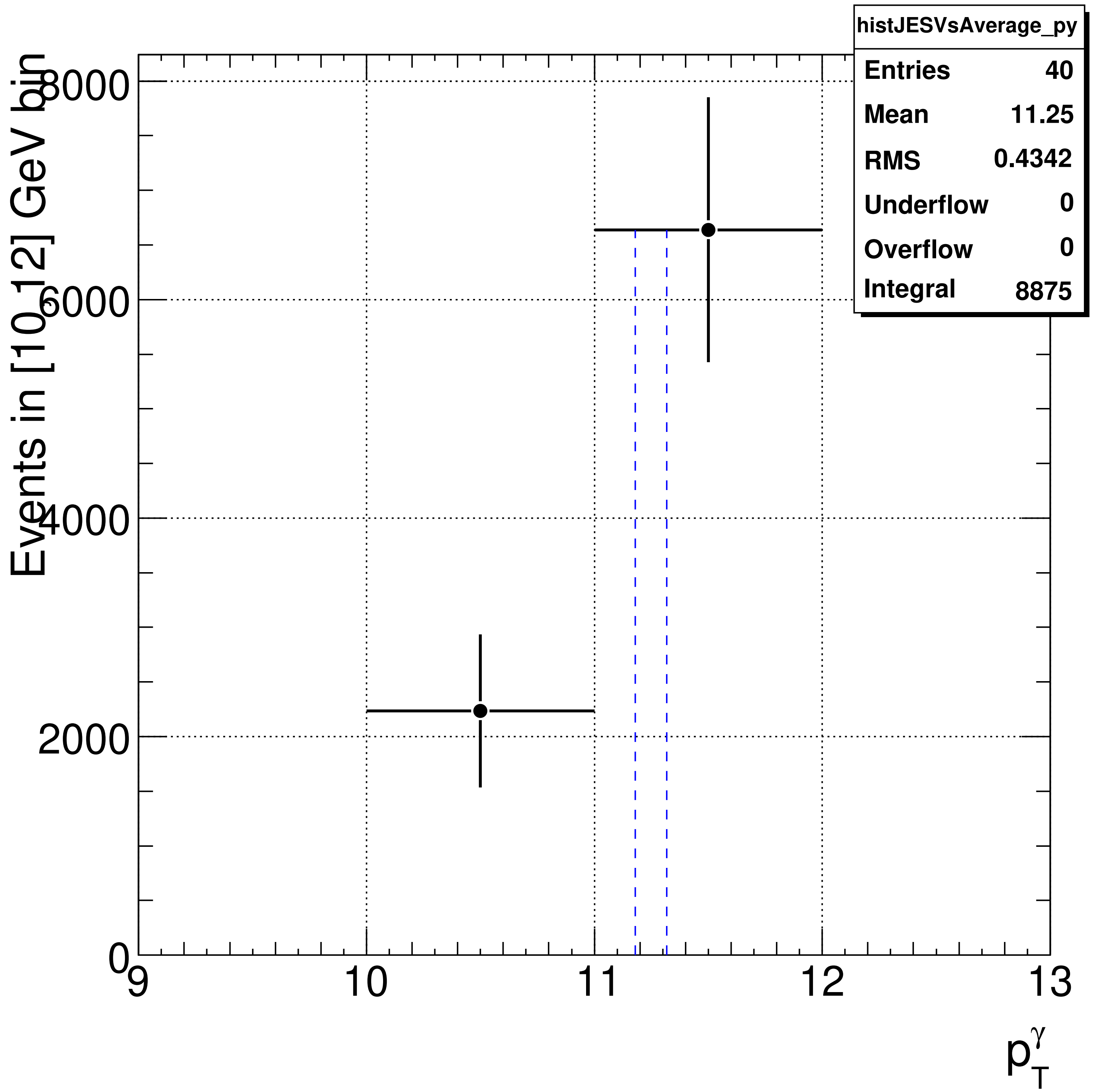


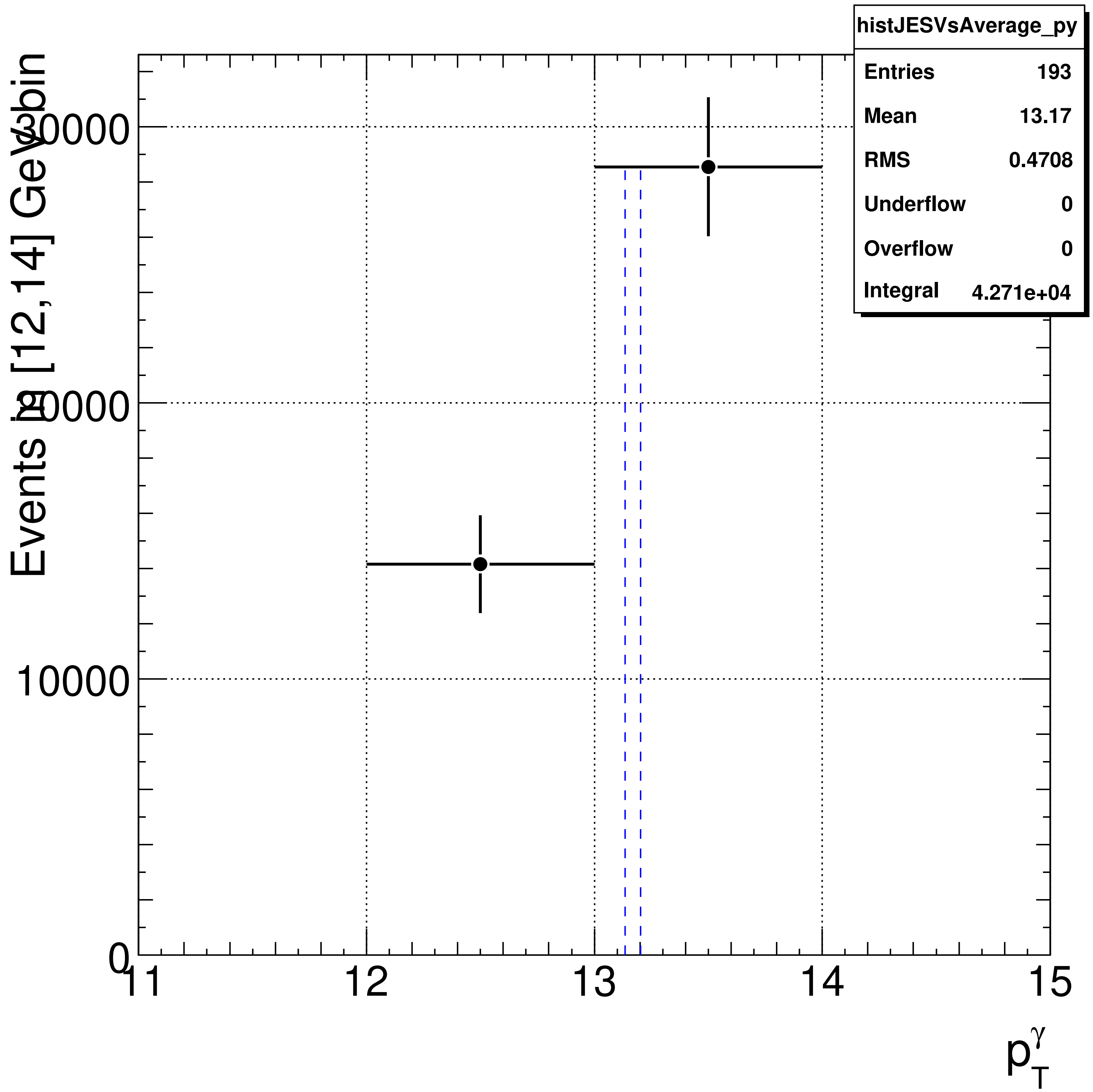
histJESVsAverage_py
Entries 132
Mean 0.9679
RMS 0.09158
Underflow 0
Overflow 0
Integral 24.11
Events in [350,400] GeV bin
p_T^{corr}/p_T^{γ}
0
2
4
6
0.8
1.0
1.2
1.4


histJESVsAverage_py
Entries 96
Mean 0.9663
RMS 0.08753
Underflow 0
Overflow 0
Integral 17.53
Events in [400,500] GeV bin
0
1
2
3
4
0.8
1.0
1.2
1.4
p_T^{corr}/p_T^{γ}

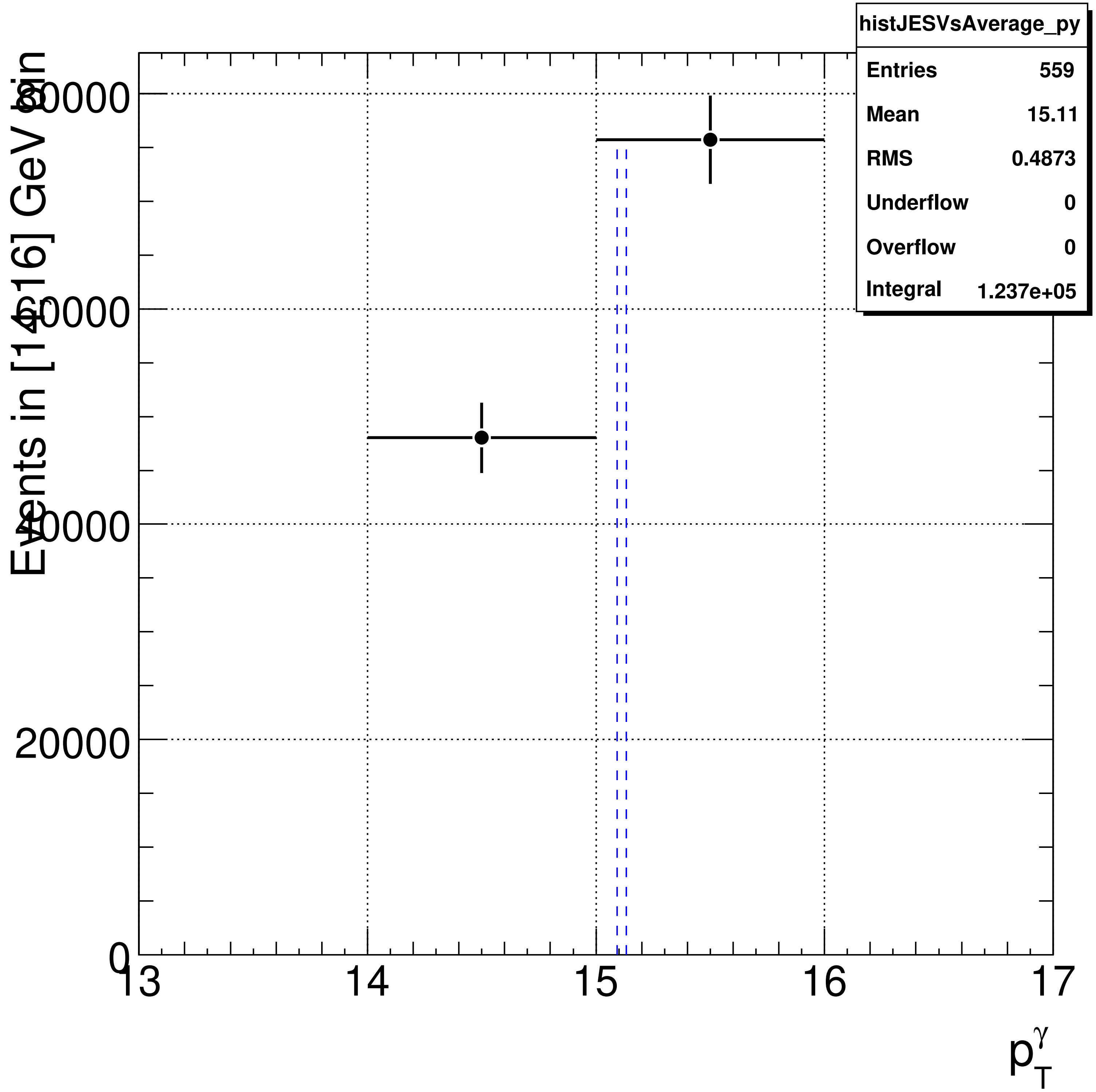


p_T^{corr}/p_T^{γ}
2.0
1.5
1.0
0
200
400
p_T^{γ} [GeV]

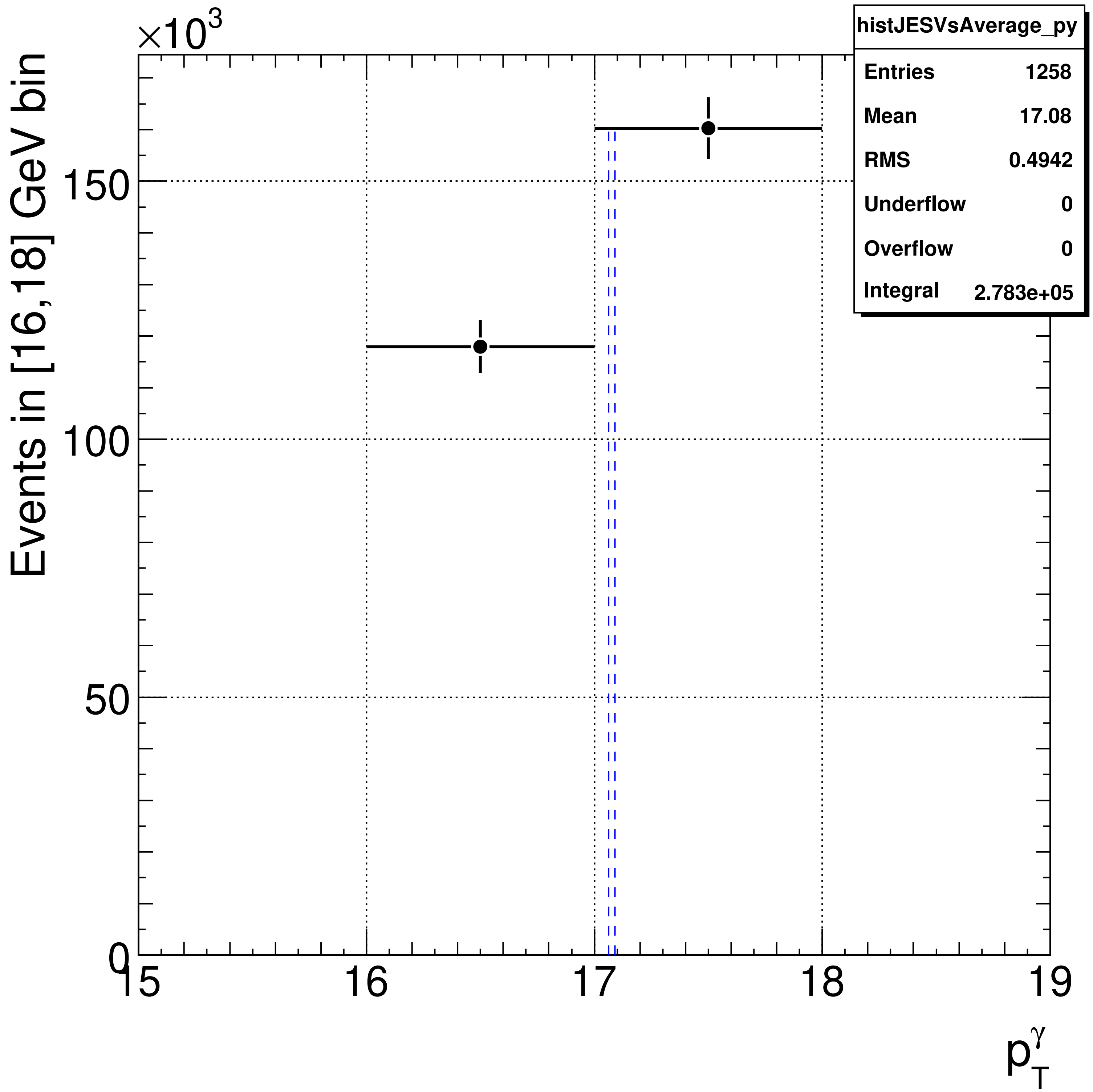

histJESVsAverage_py
Entries 40
Mean 11.25
RMS 0.4342
Underflow 0
Overflow 0
Integral 8875
Events in [10_12] GeV bin
0
2000
4000
6000
8000
9
10
11
12
13
p_T^γ



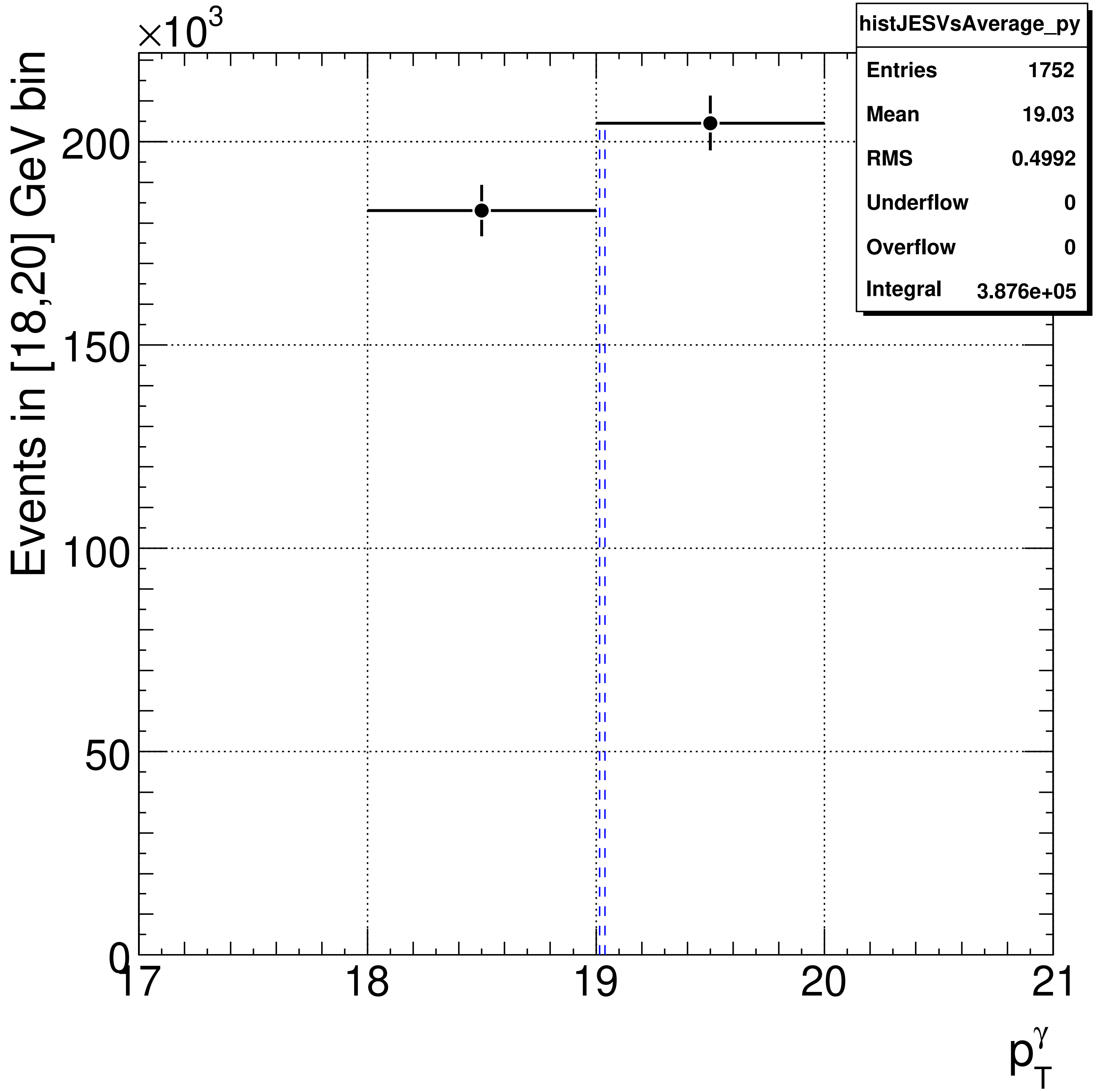
histJESVsAverage_py
Entries 193
Mean 13.17
RMS 0.4708
Underflow 0
Overflow 0
Integral 4.271e+04
Events in [12,14] GeV/bin
0
10000
20000
30000
11
12
13
14
15
p_T^γ



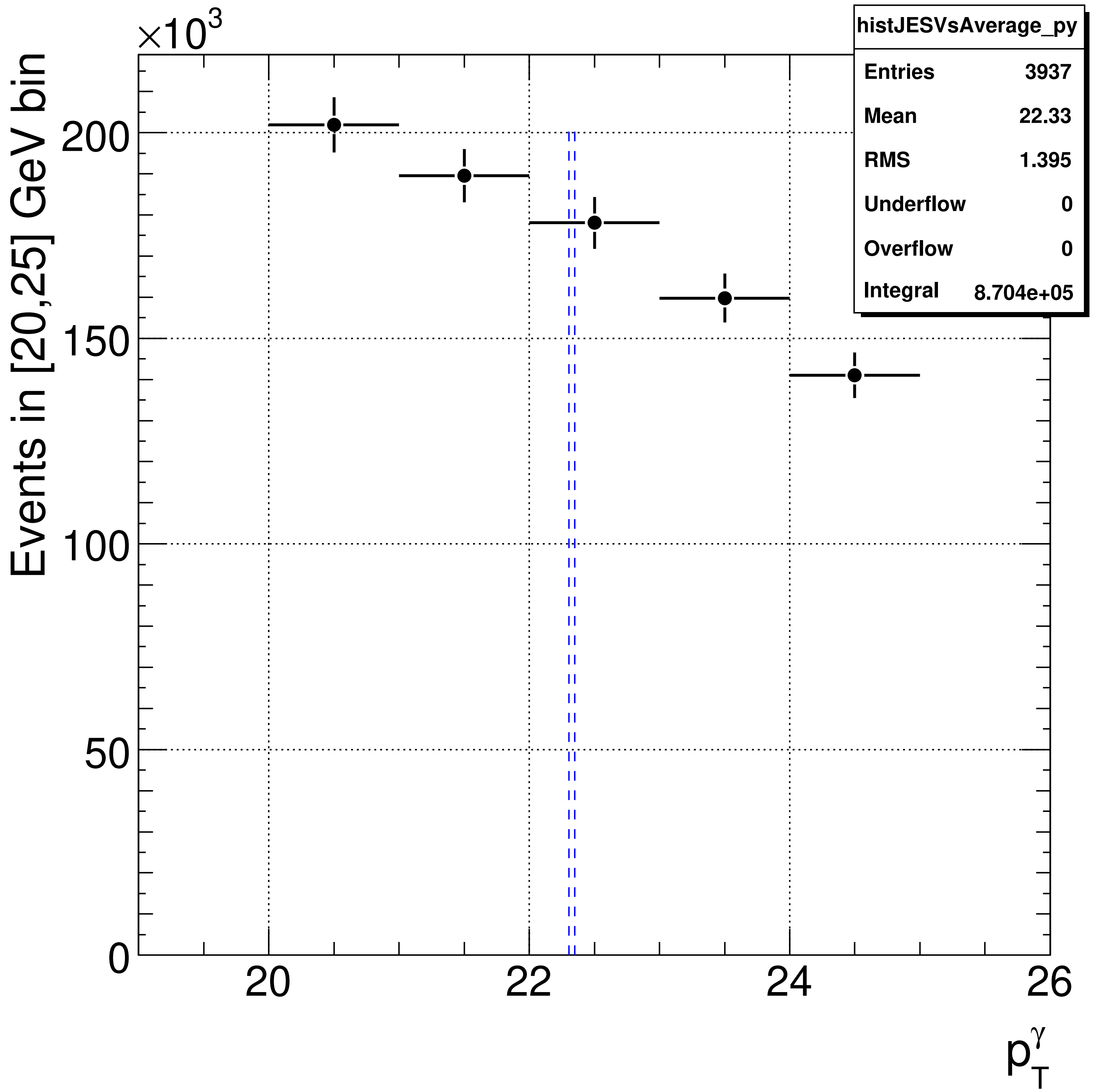
histJESVsAverage_py
Entries 559
Mean 15.11
RMS 0.4873
Underflow 0
Overflow 0
Integral 1.237e+05
Events in [14-16] GeV bin
0
20000
40000
60000
80000
13
14
15
16
17
p_T^{γ}



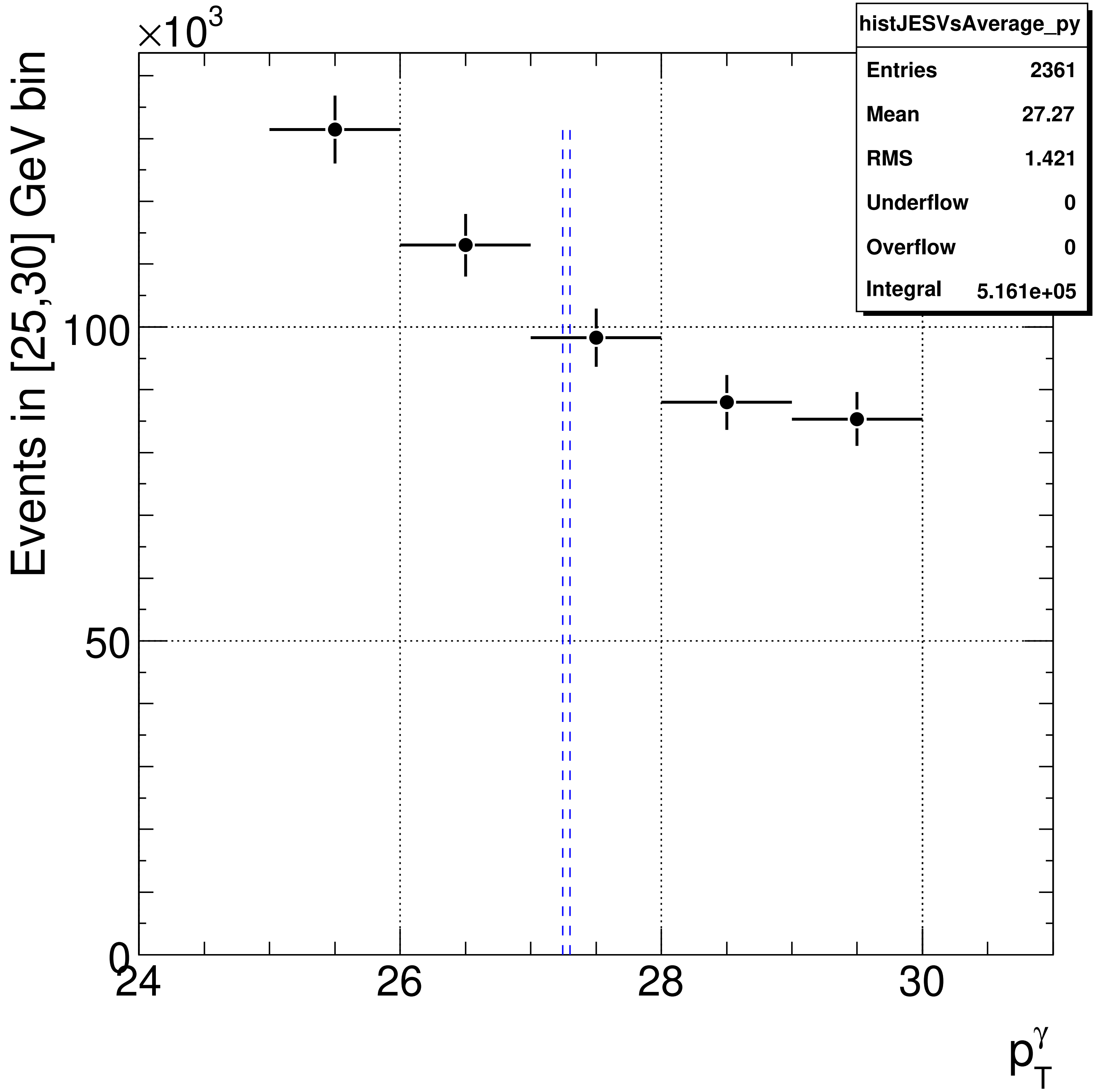
histJESVsAverage_py
Entries 1258
Mean 17.08
RMS 0.4942
Underflow 0
Overflow 0
Integral 2.783e+05
×10^3
Events in [16,18] GeV bin
0
50
100
150
15
16
17
18
19
p_T^γ



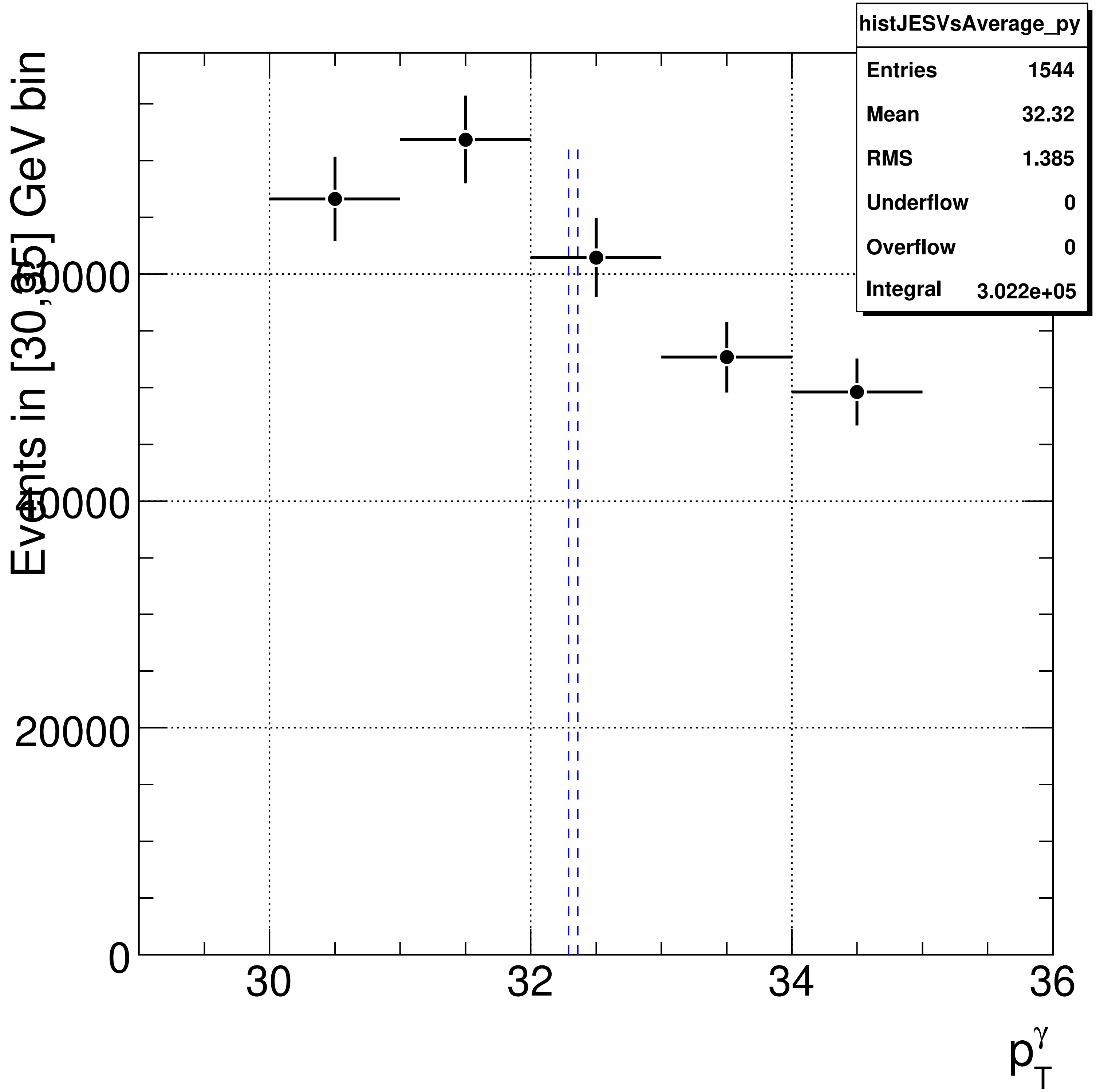
×10³
histJESVsAverage_py
Entries 1752
Mean 19.03
RMS 0.4992
Underflow 0
Overflow 0
Integral 3.876e+05
Events in [18,20] GeV bin
0
50
100
150
200
17
18
19
20
21
p_T^γ



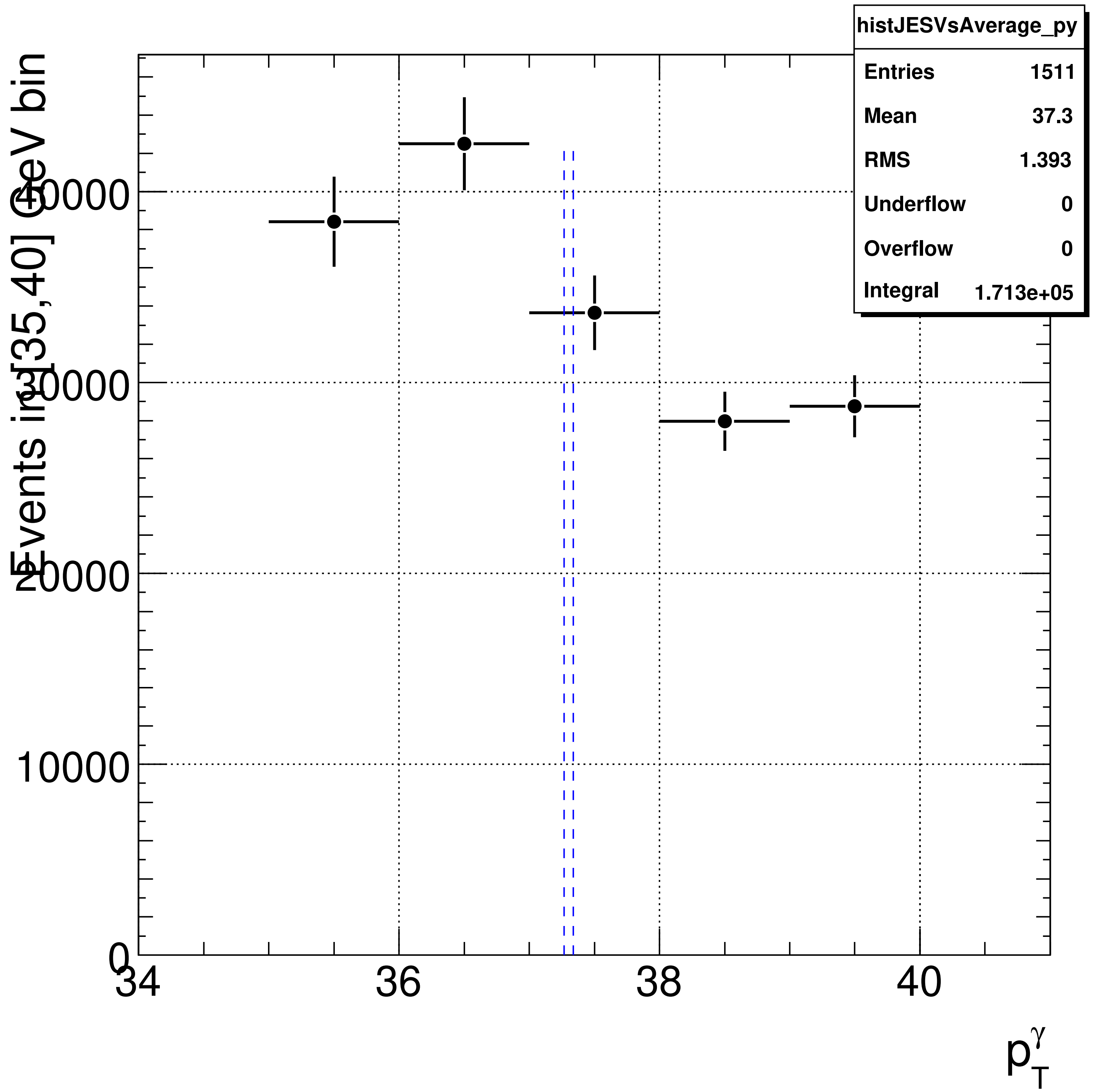
×10^3
Events in [20,25] GeV bin
200
150
100
50
0
20
22
24
26
p_T^γ
histJESVsAverage_py
Entries 3937
Mean 22.33
RMS 1.395
Underflow 0
Overflow 0
Integral 8.704e+05



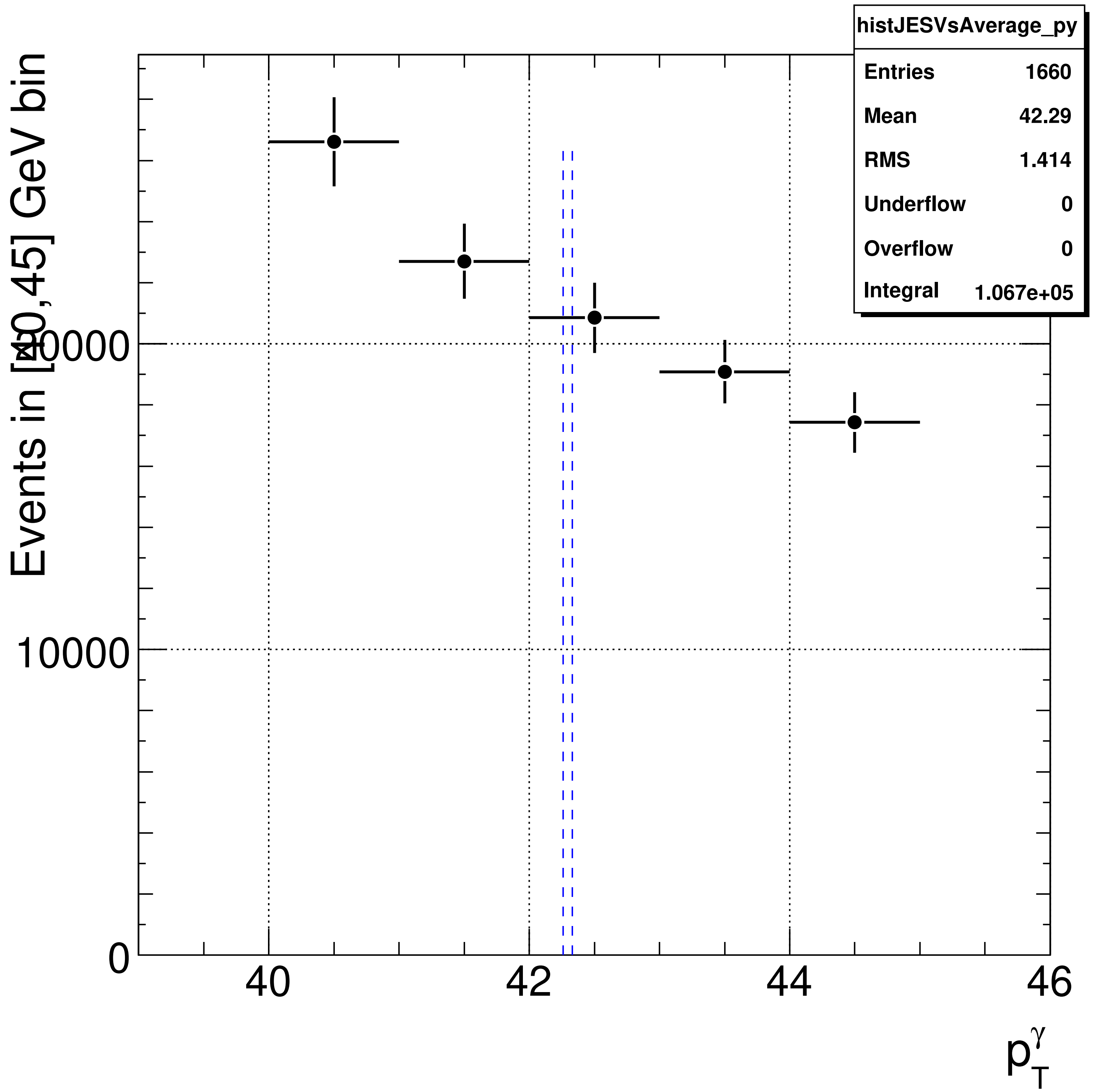
histJESVsAverage_py
Entries 2361
Mean 27.27
RMS 1.421
Underflow 0
Overflow 0
Integral 5.161e+05
$\times 10^3$
Events in [25,30] GeV bin
100
50
0
24
26
28
30
p_T^γ



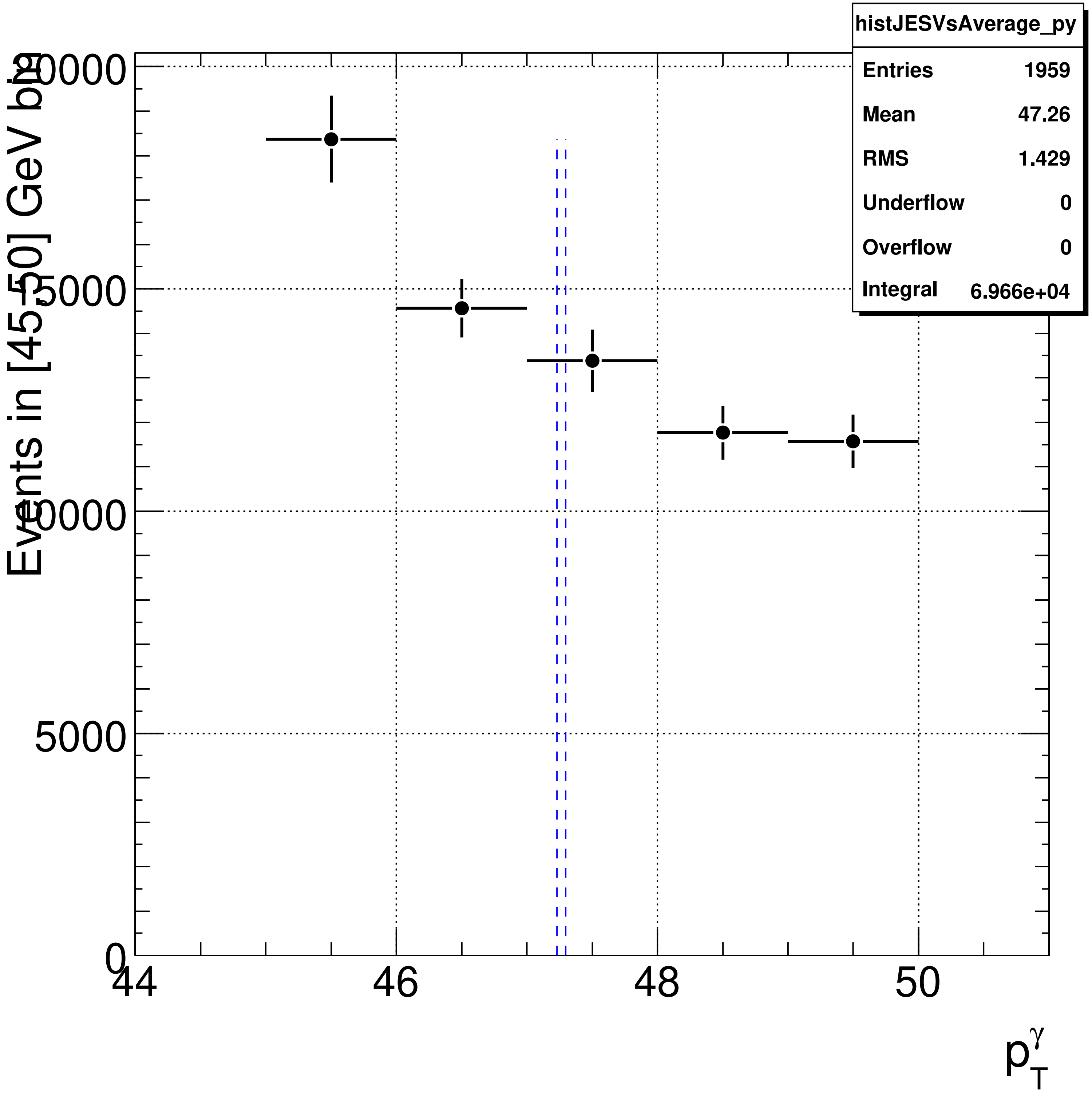
histJESVsAverage_py
Entries 1544
Mean 32.32
RMS 1.385
Underflow 0
Overflow 0
Integral 3.022e+05
Events in [30,35] GeV bin
0
20000
40000
60000
30
32
34
36
p_T^{γ}



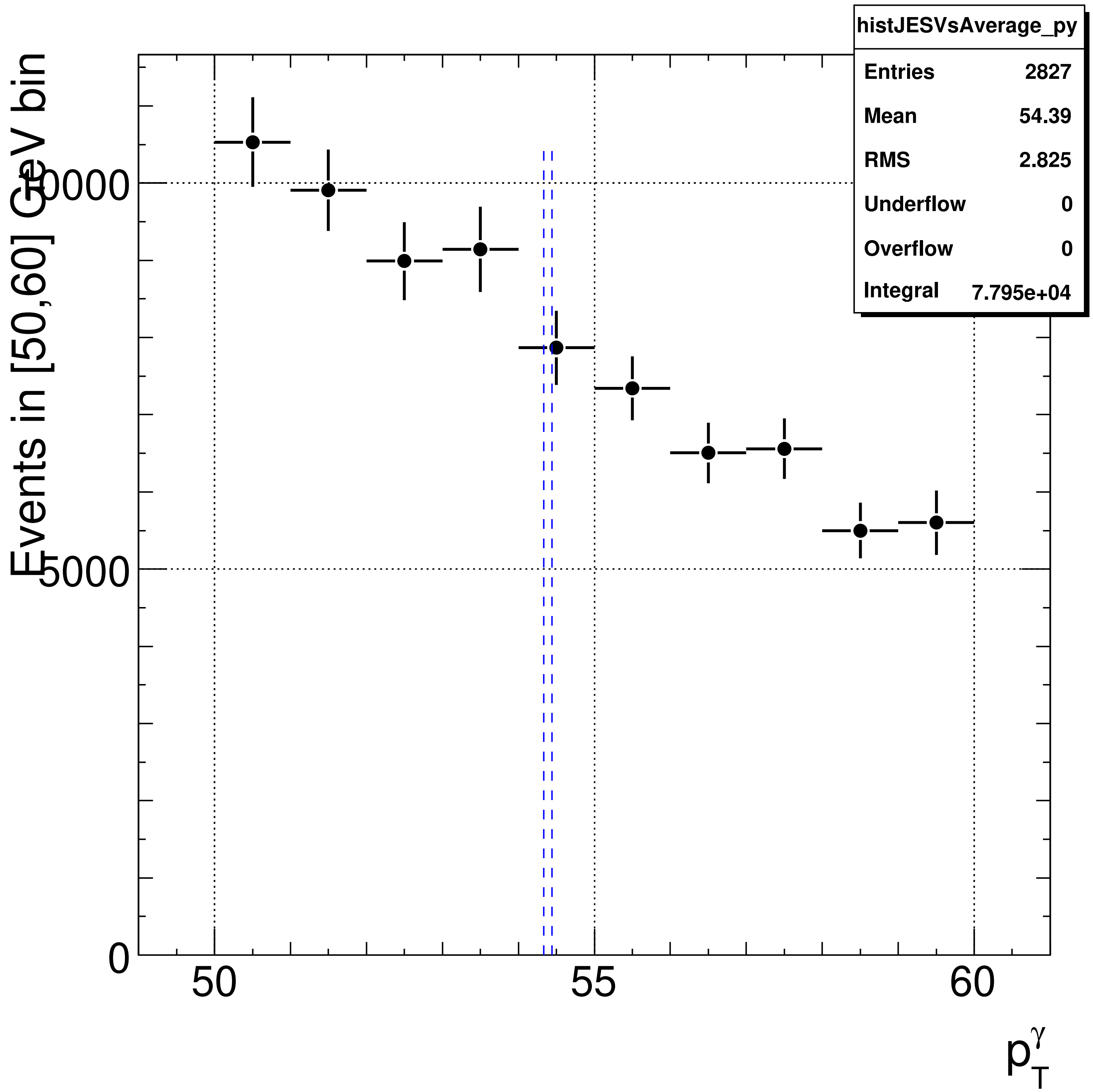
histJESVsAverage_py
Entries 1511
Mean 37.3
RMS 1.393
Underflow 0
Overflow 0
Integral 1.713e+05
Events in [35,40] GeV bin
0
10000
20000
30000
40000
34
36
38
40
p_T^γ

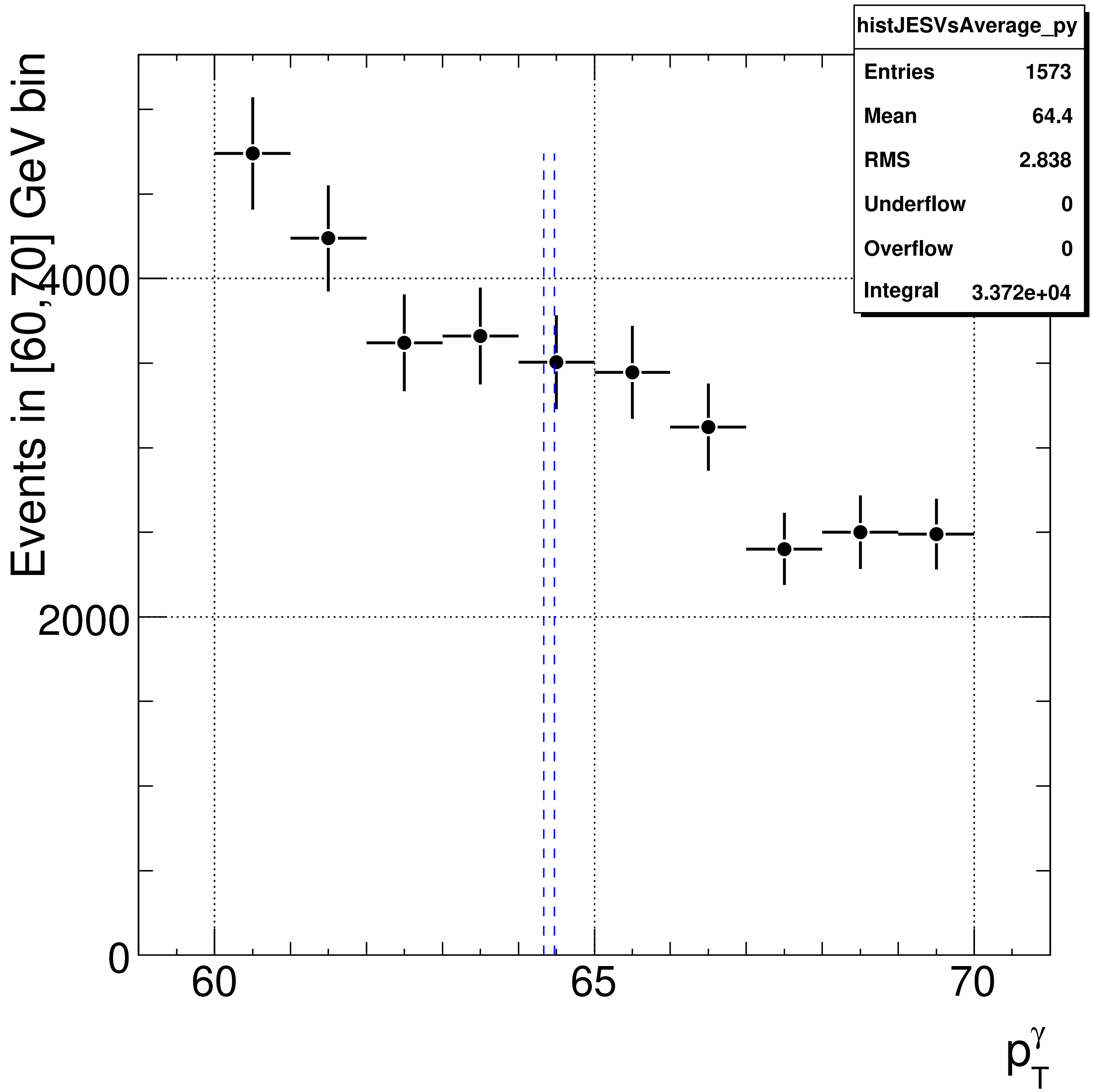


histJESVsAverage_py
Entries 1660
Mean 42.29
RMS 1.414
Underflow 0
Overflow 0
Integral 1.067e+05
Events in [40,45] GeV bin
0
10000
20000
40
42
44
46
p_T^γ

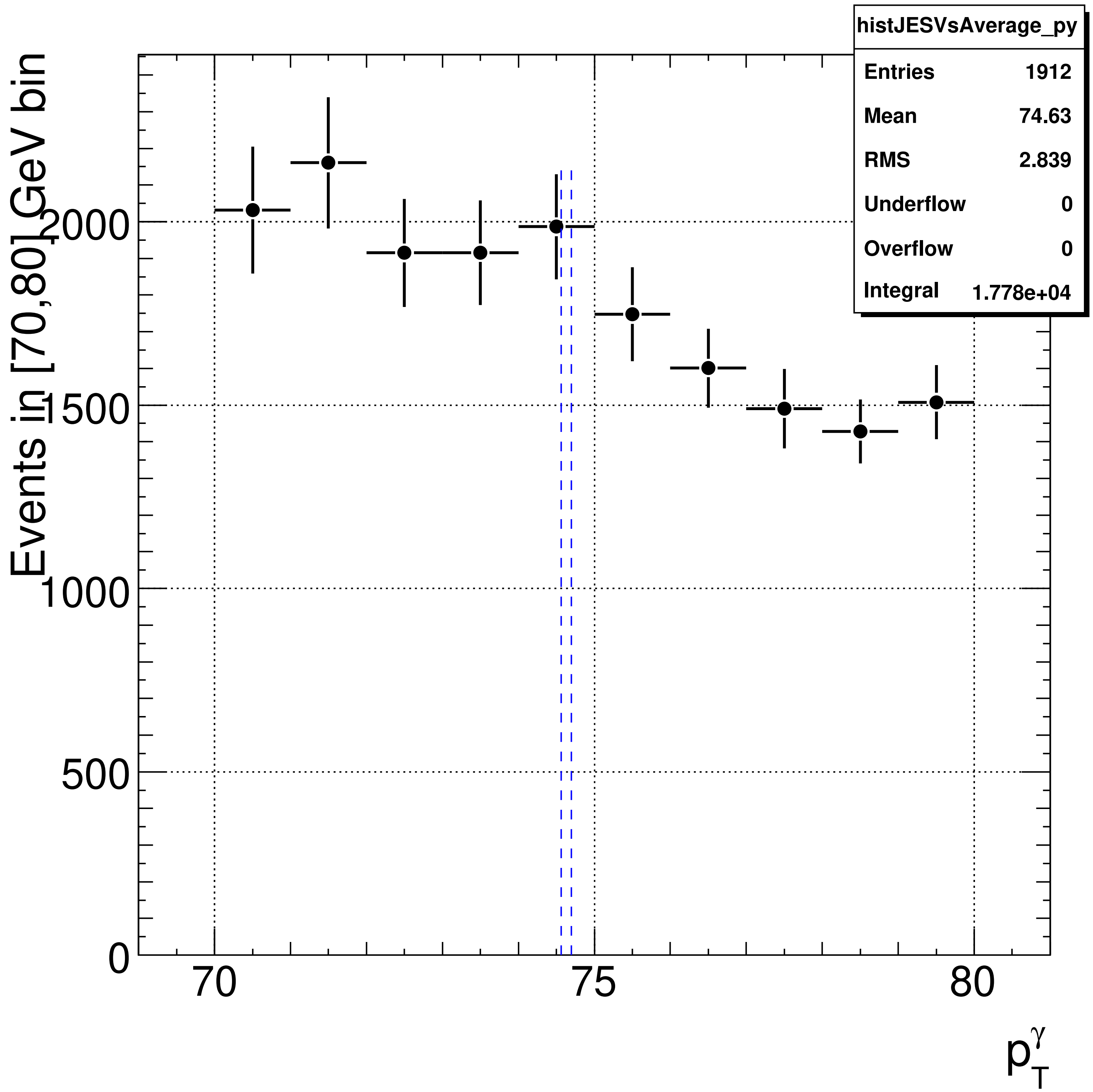


histJESVsAverage_py
Entries 1959
Mean 47.26
RMS 1.429
Underflow 0
Overflow 0
Integral 6.966e+04
Events in [45-50] GeV bin
5000
0
44
46
48
50
p_T^{γ}

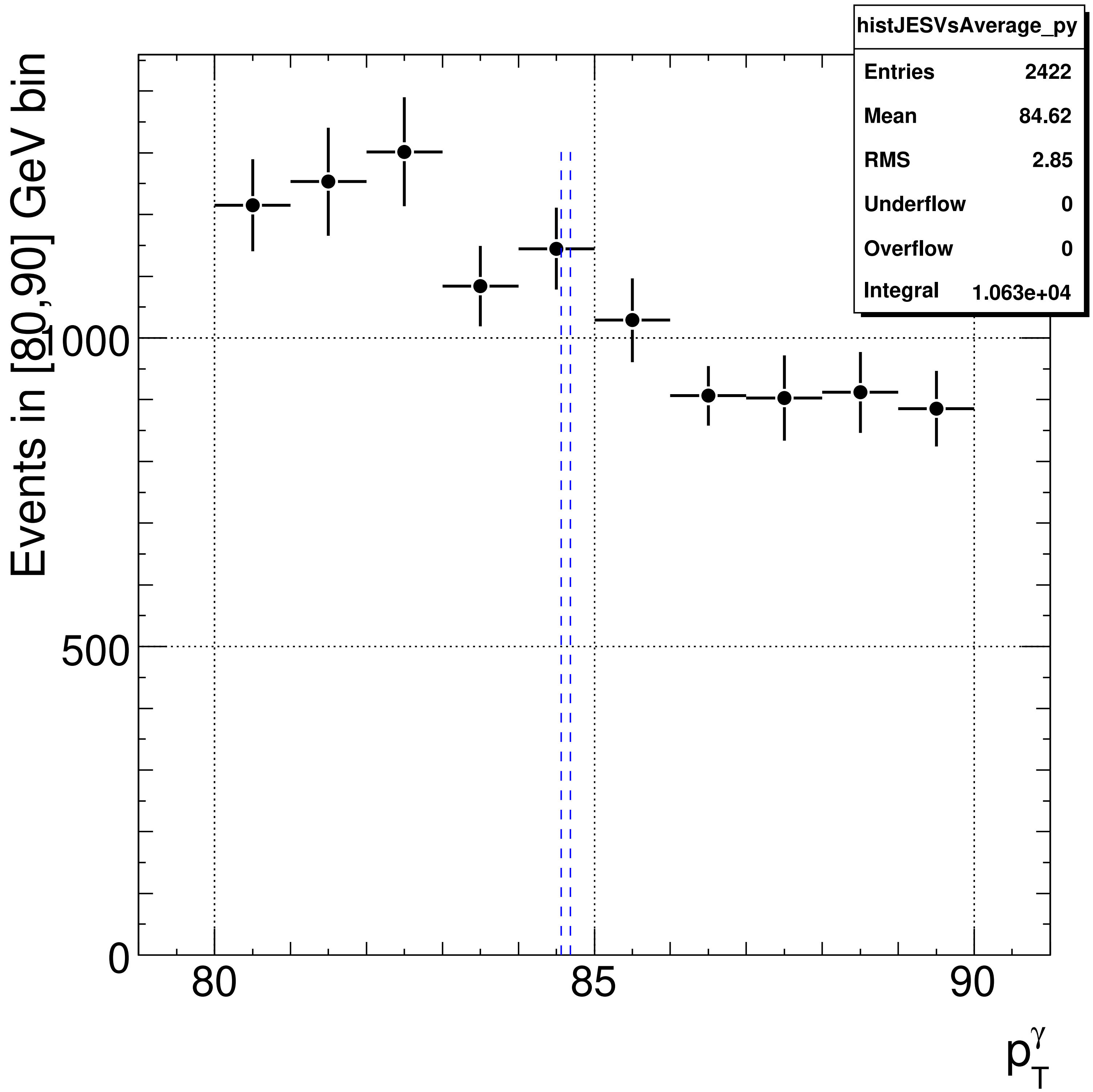

histJESVsAverage_py
Entries 2827
Mean 54.39
RMS 2.825
Underflow 0
Overflow 0
Integral 7.795e+04
Events in [50,60] GeV bin
10000
5000
0
50
55
60
p_T^{γ}



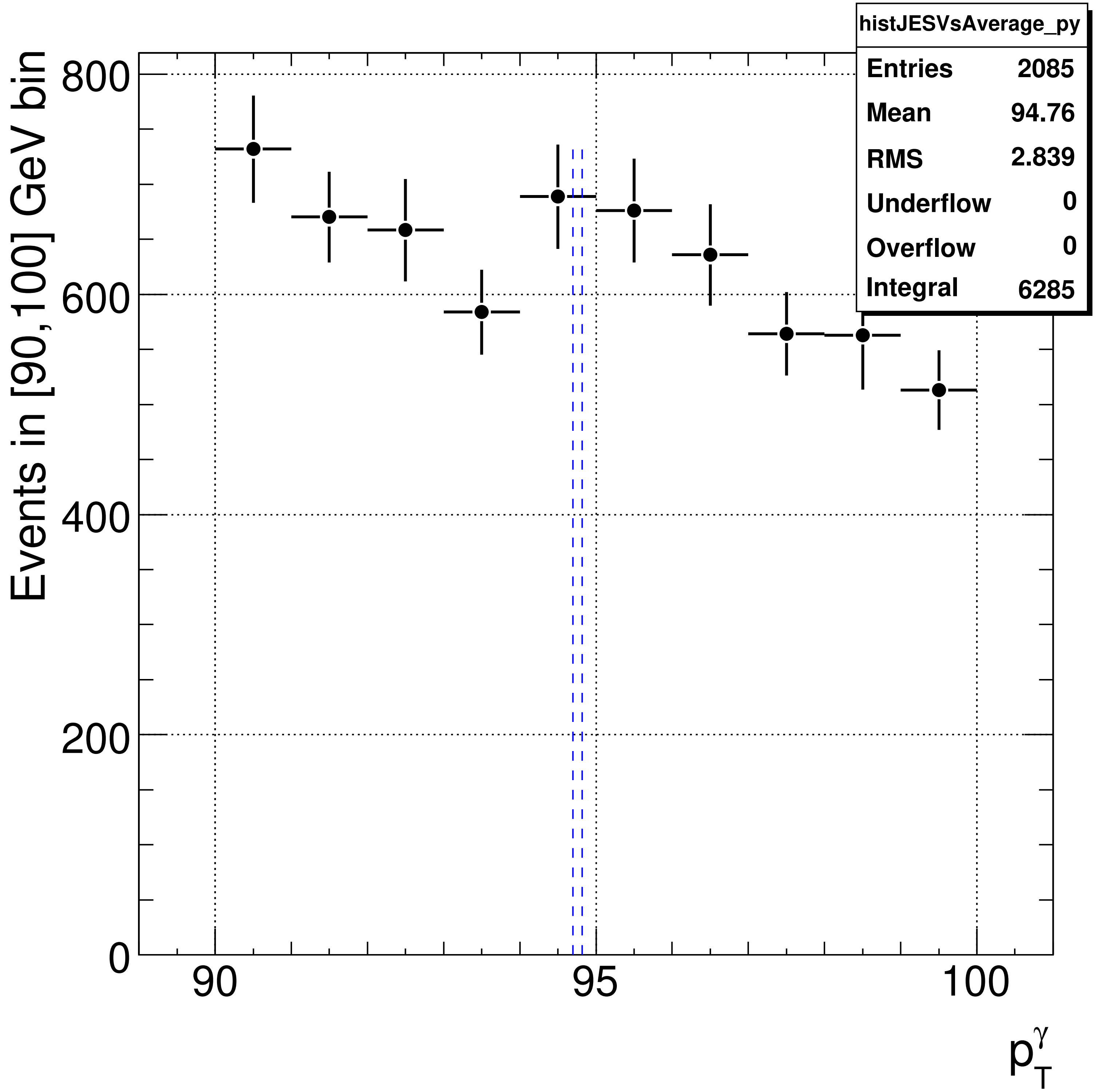
histJESVsAverage_py
Entries 1573
Mean 64.4
RMS 2.838
Underflow 0
Overflow 0
Integral 3.372e+04
Events in [60,70] GeV bin
0
2000
4000
60
65
70
p_T^γ

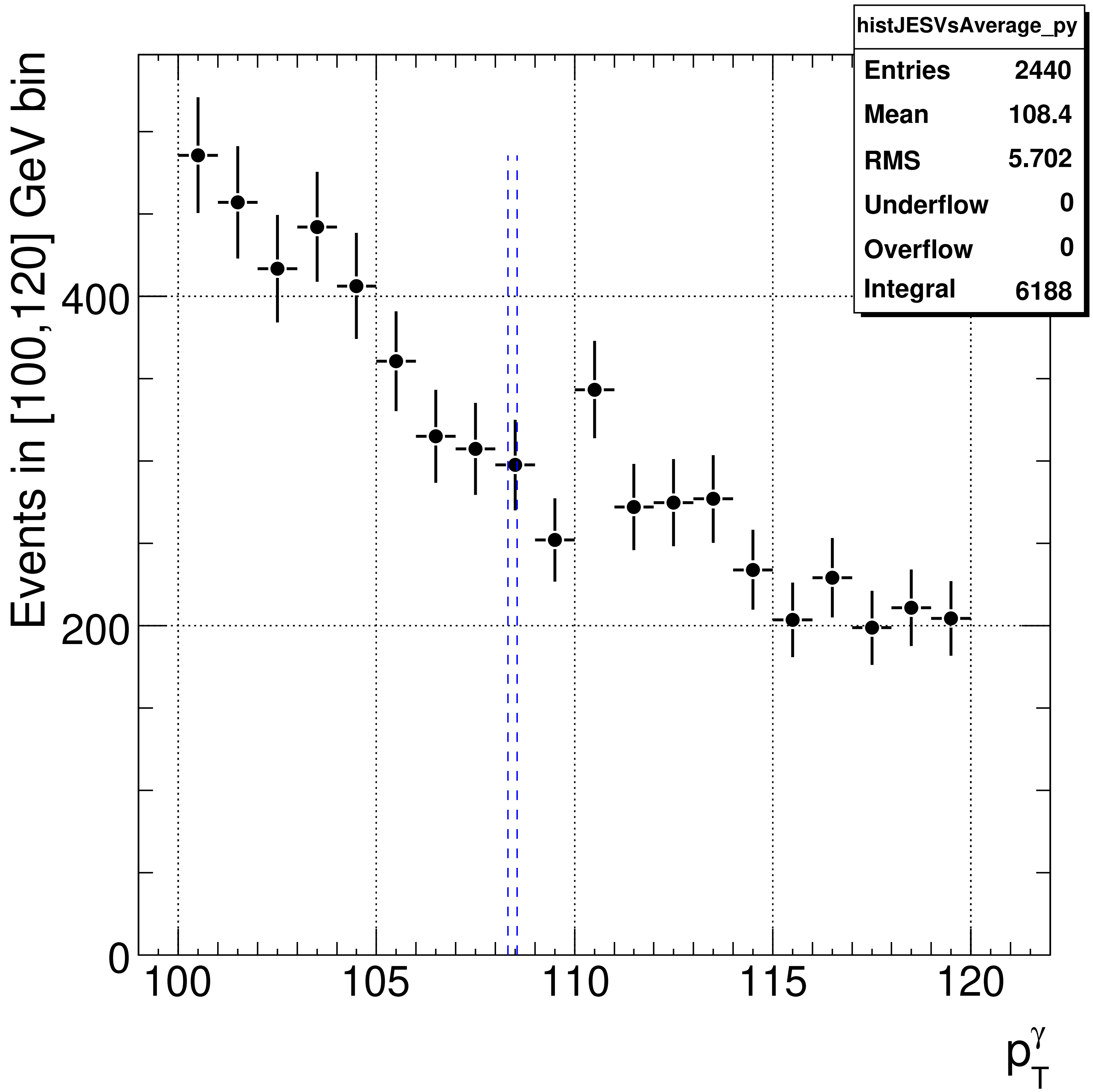


histJESVsAverage_py
Entries 1912
Mean 74.63
RMS 2.839
Underflow 0
Overflow 0
Integral 1.778e+04
Events in [70,80] GeV bin
0
500
1000
1500
2000
70
75
80
p_T^γ

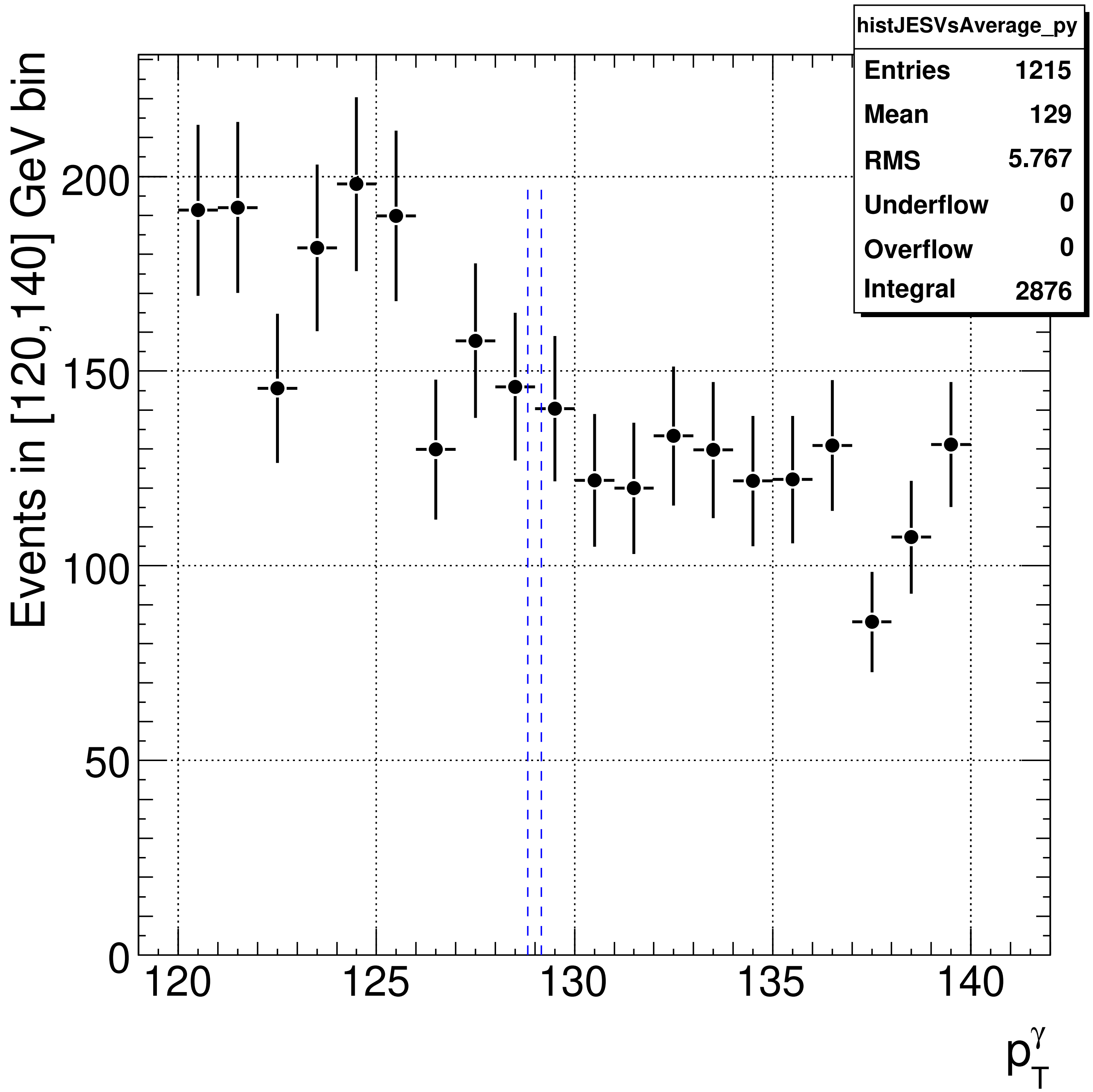


histJESVsAverage_py
Entries 2422
Mean 84.62
RMS 2.85
Underflow 0
Overflow 0
Integral 1.063e+04
Events in [80,90] GeV bin
0
500
1000
80
85
90
p_T^γ

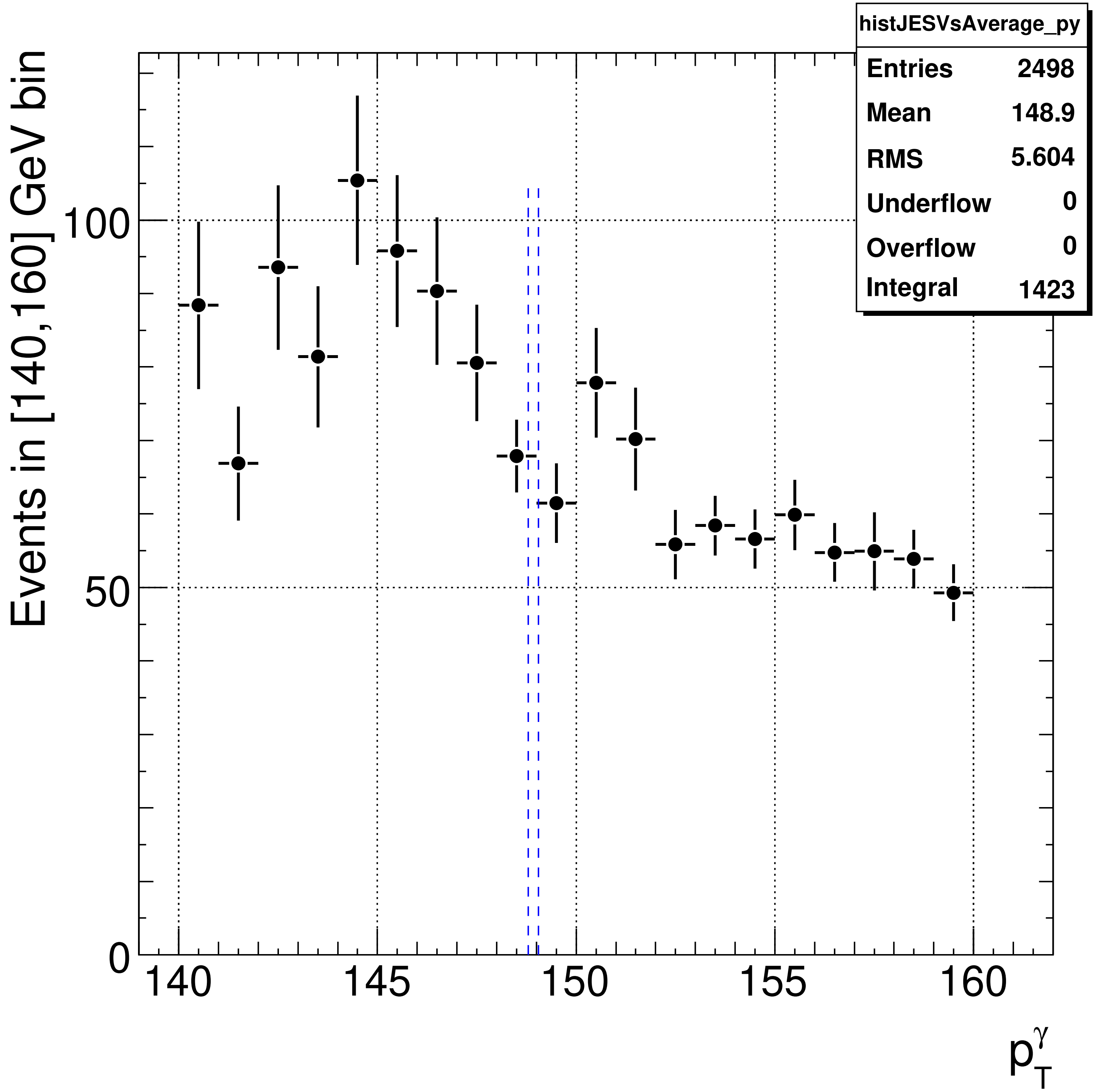

histJESVsAverage_py
Entries 2085
Mean 94.76
RMS 2.839
Underflow 0
Overflow 0
Integral 6285
Events in [90,100] GeV bin
0
200
400
600
800
90
95
100
p_T^{γ}

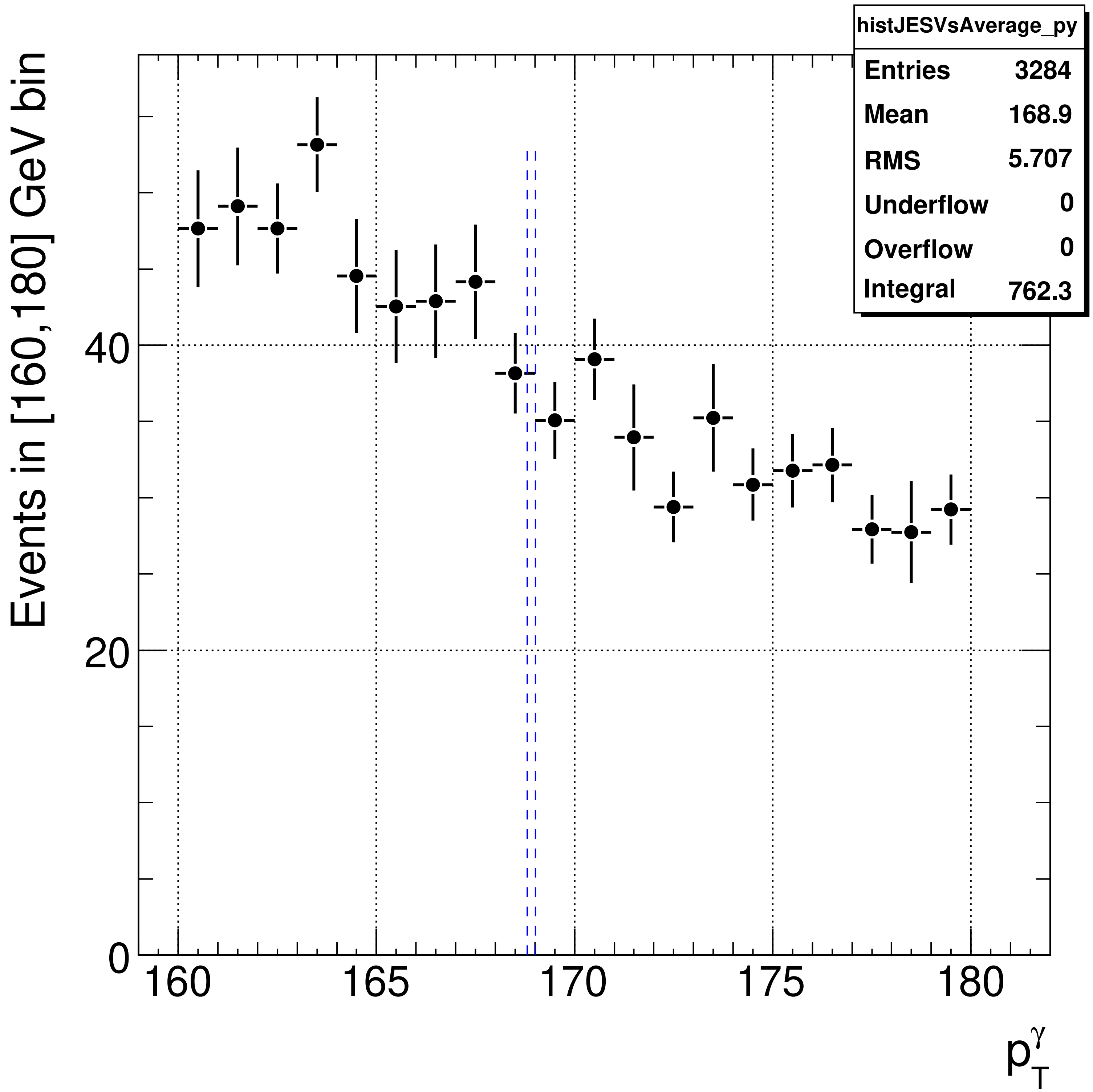


histJESVsAverage_py
Entries 2440
Mean 108.4
RMS 5.702
Underflow 0
Overflow 0
Integral 6188
Events in [100,120] GeV bin
400
200
0
100
105
110
115
120
p_T^γ

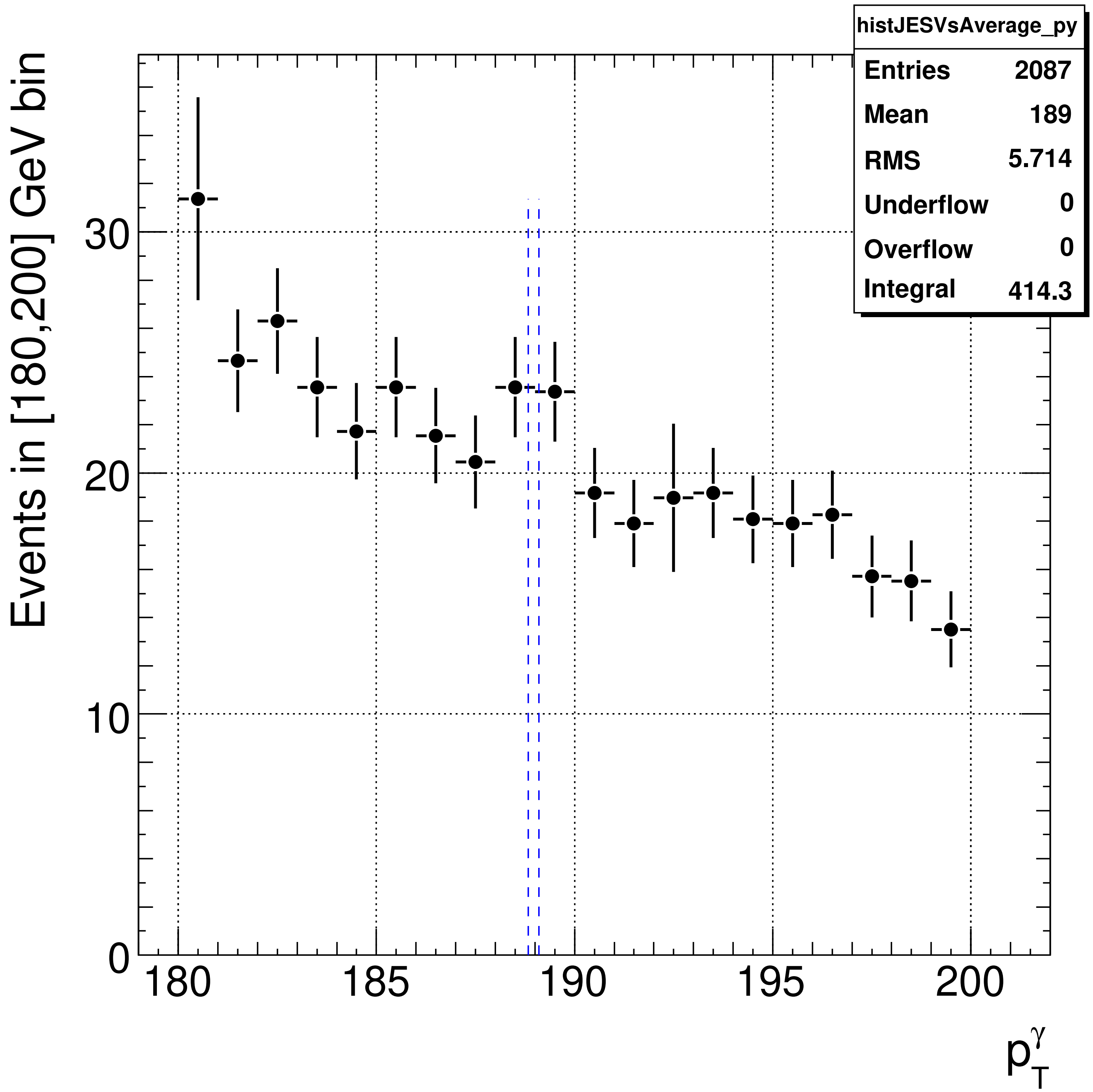


histJESVsAverage_py
Entries 1215
Mean 129
RMS 5.767
Underflow 0
Overflow 0
Integral 2876
Events in [120,140] GeV bin
0
50
100
150
200
120
125
130
135
140
p_T^γ

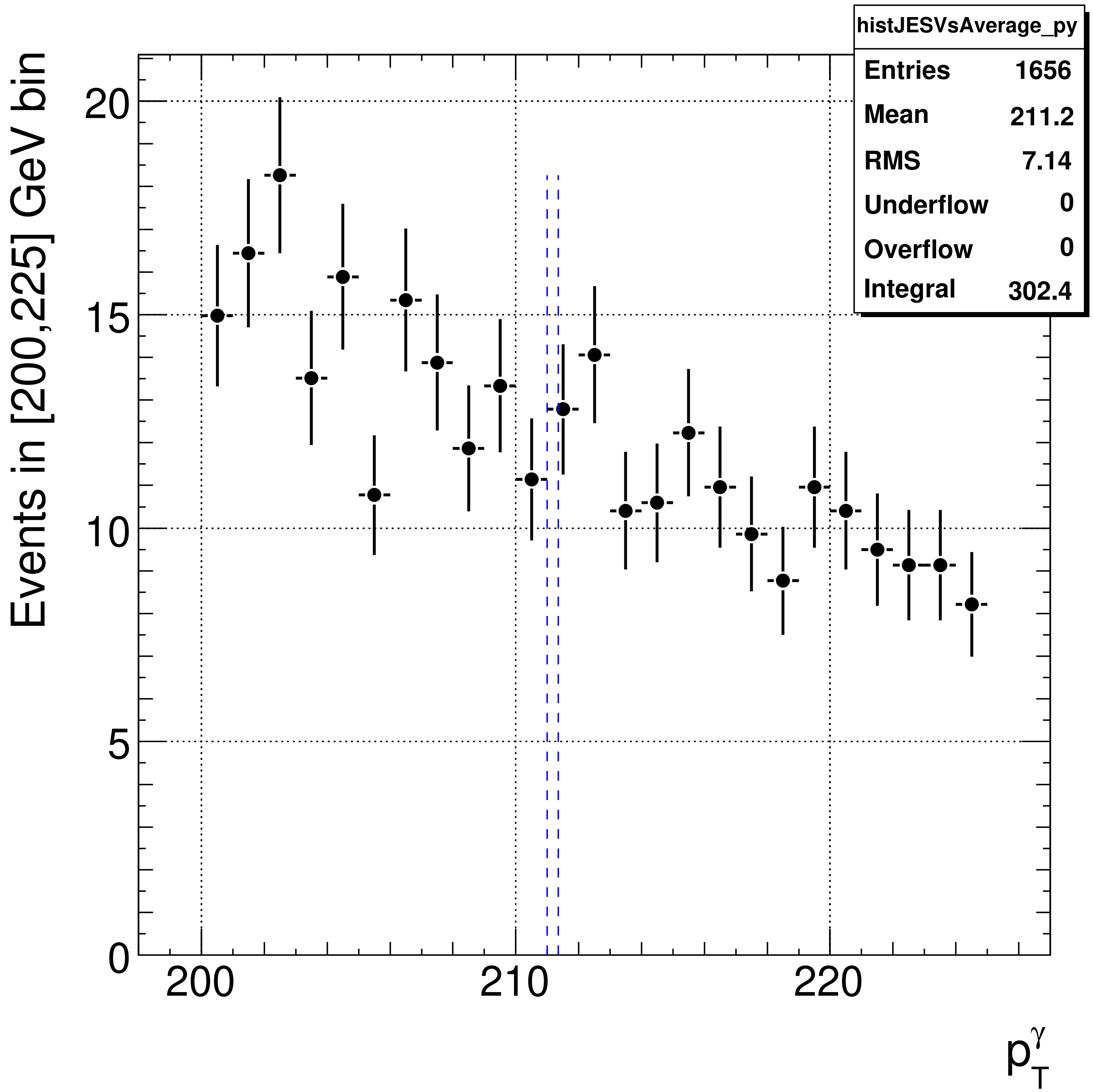

histJESVsAverage_py
Entries 2498
Mean 148.9
RMS 5.604
Underflow 0
Overflow 0
Integral 1423
Events in [140,160] GeV bin
p_T^γ
0
50
100
140
145
150
155
160



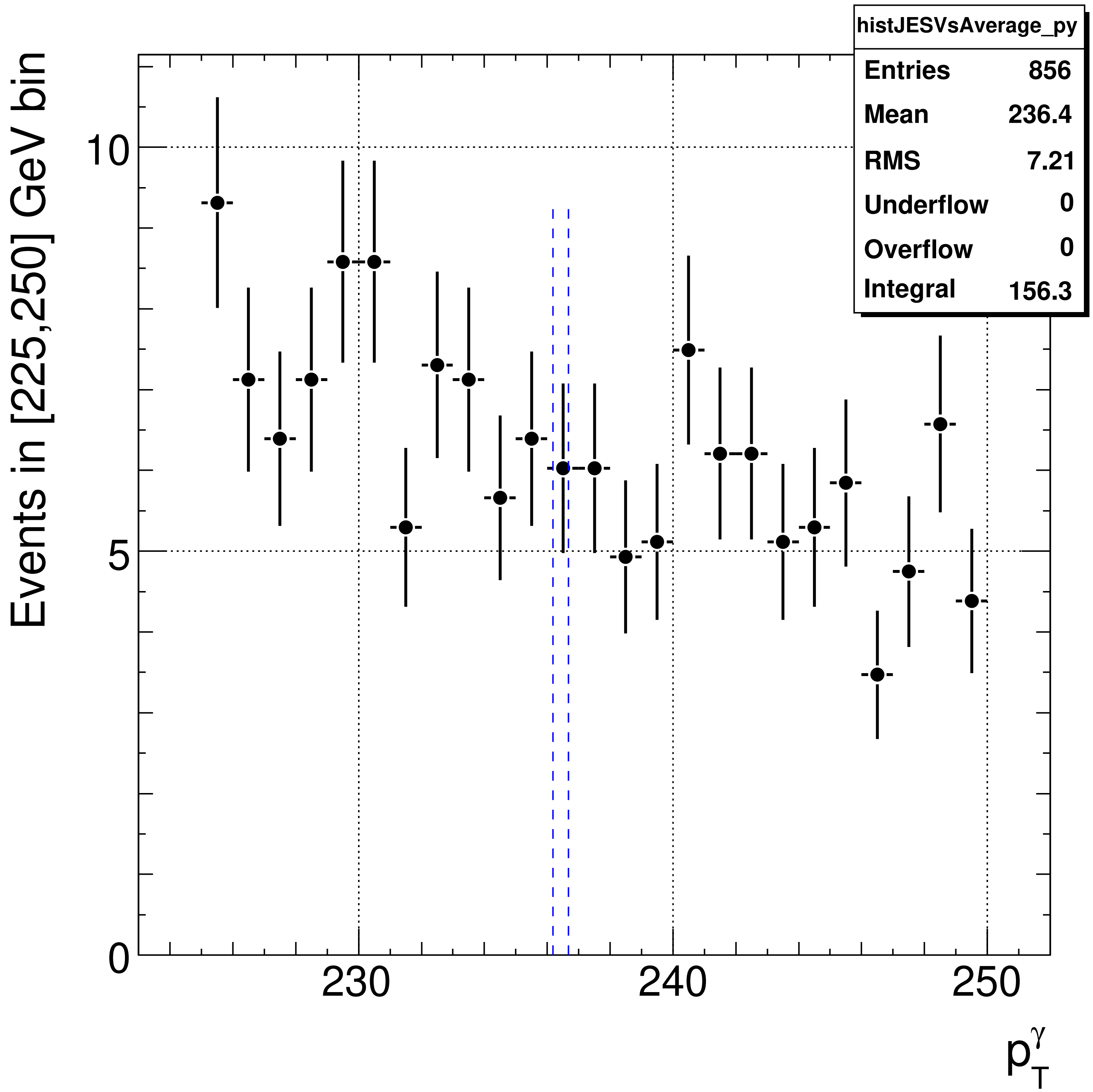
histJESVsAverage_py
Entries 3284
Mean 168.9
RMS 5.707
Underflow 0
Overflow 0
Integral 762.3
Events in [160,180] GeV bin
0
20
40
160
165
170
175
180
p_T^γ



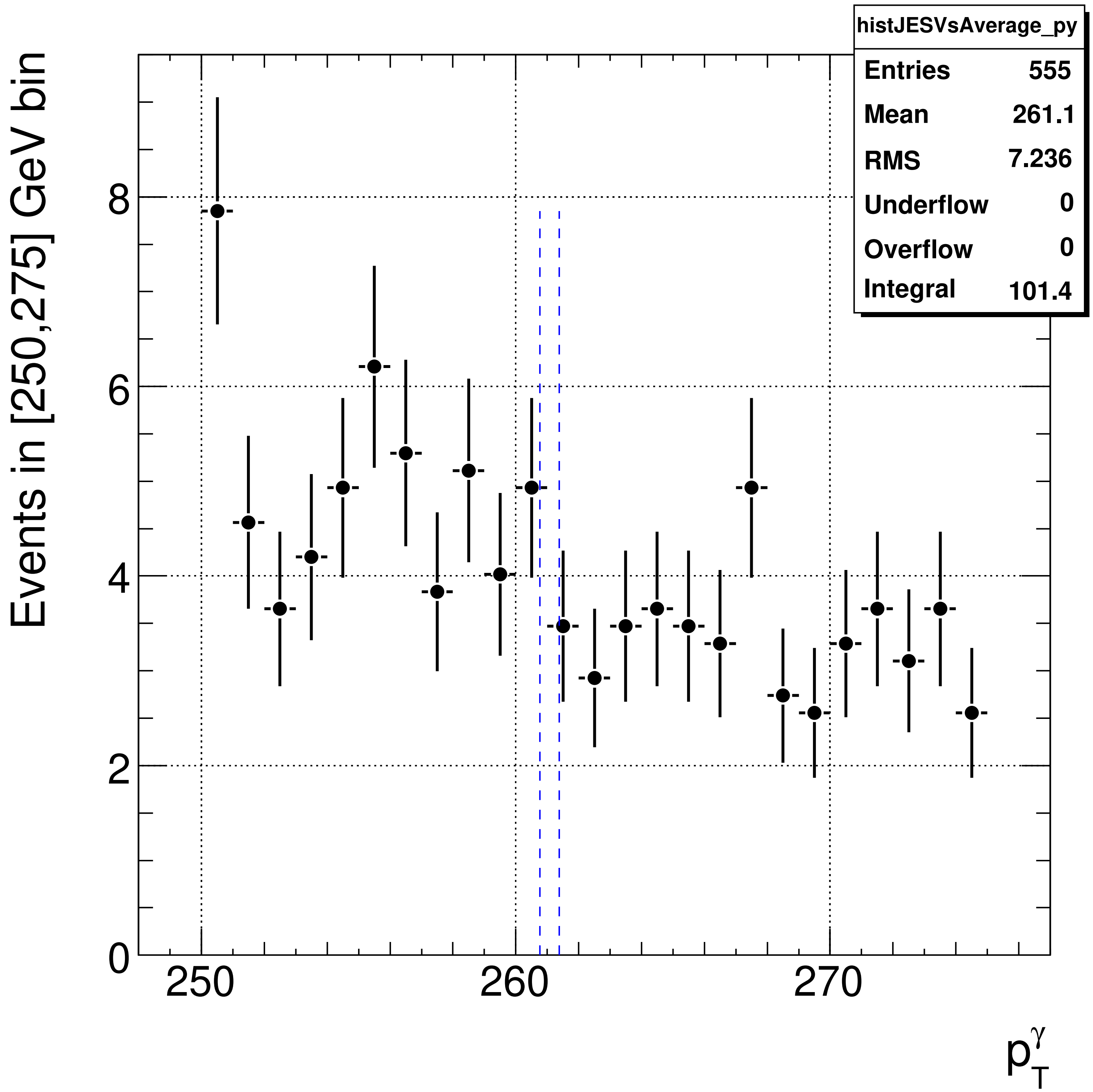
histJESVsAverage_py
Entries 2087
Mean 189
RMS 5.714
Underflow 0
Overflow 0
Integral 414.3
Events in [180,200] GeV bin
0
10
20
30
180
185
190
195
200
p_T^{γ}



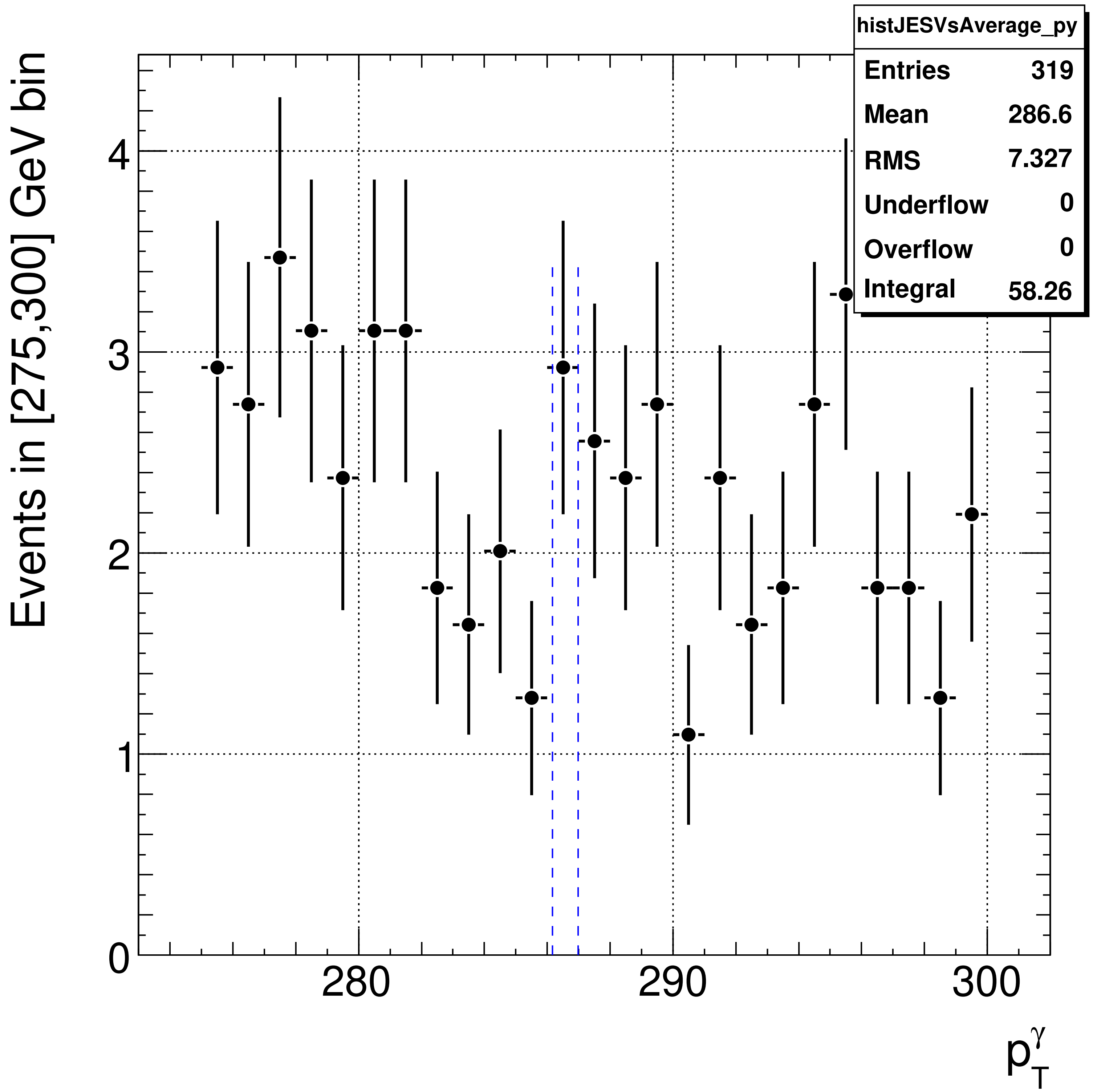
histJESVsAverage_py
Entries 1656
Mean 211.2
RMS 7.14
Underflow 0
Overflow 0
Integral 302.4
Events in [200,225] GeV bin
0
5
10
15
20
200
210
220
p_T^{γ}

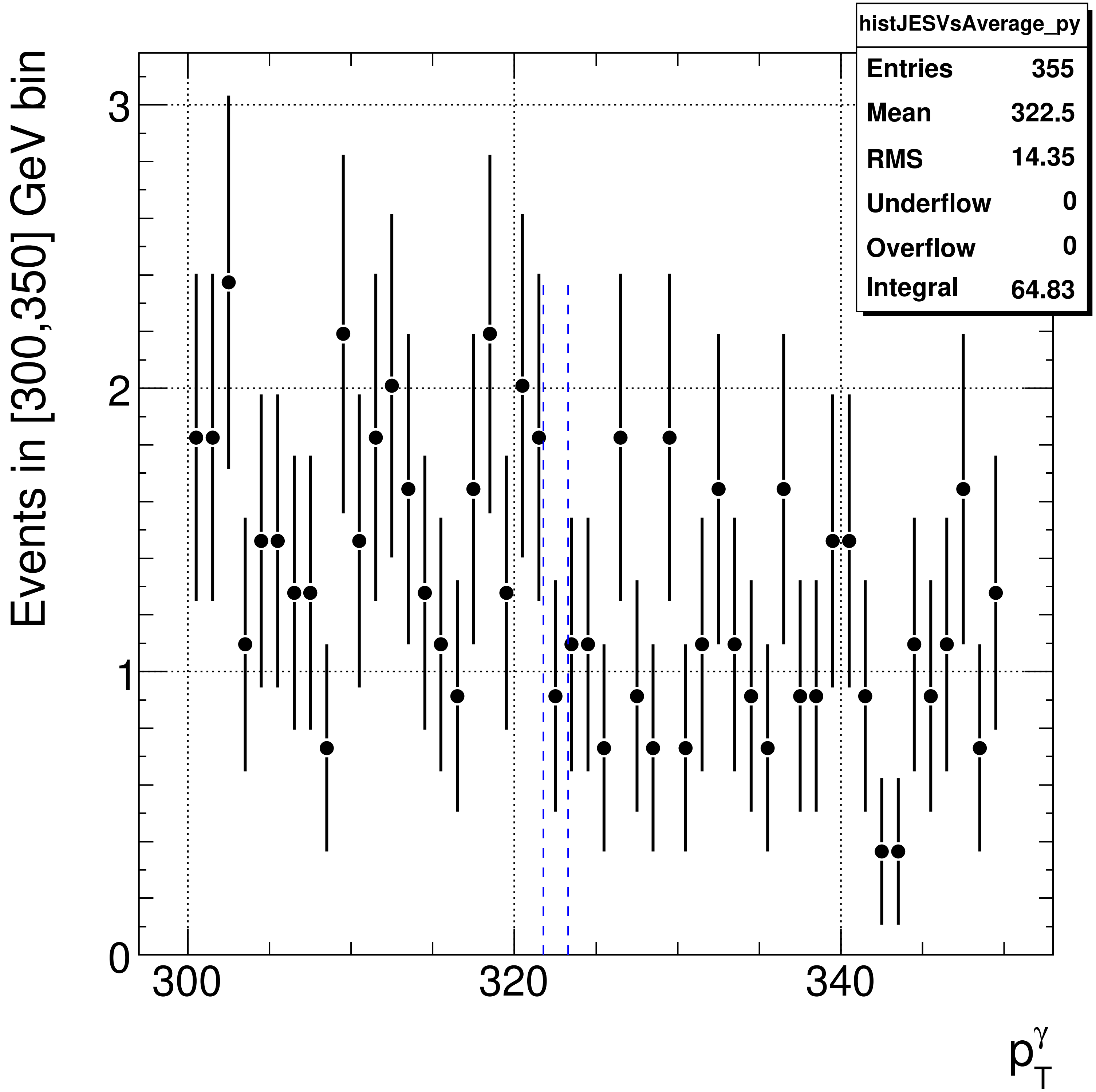


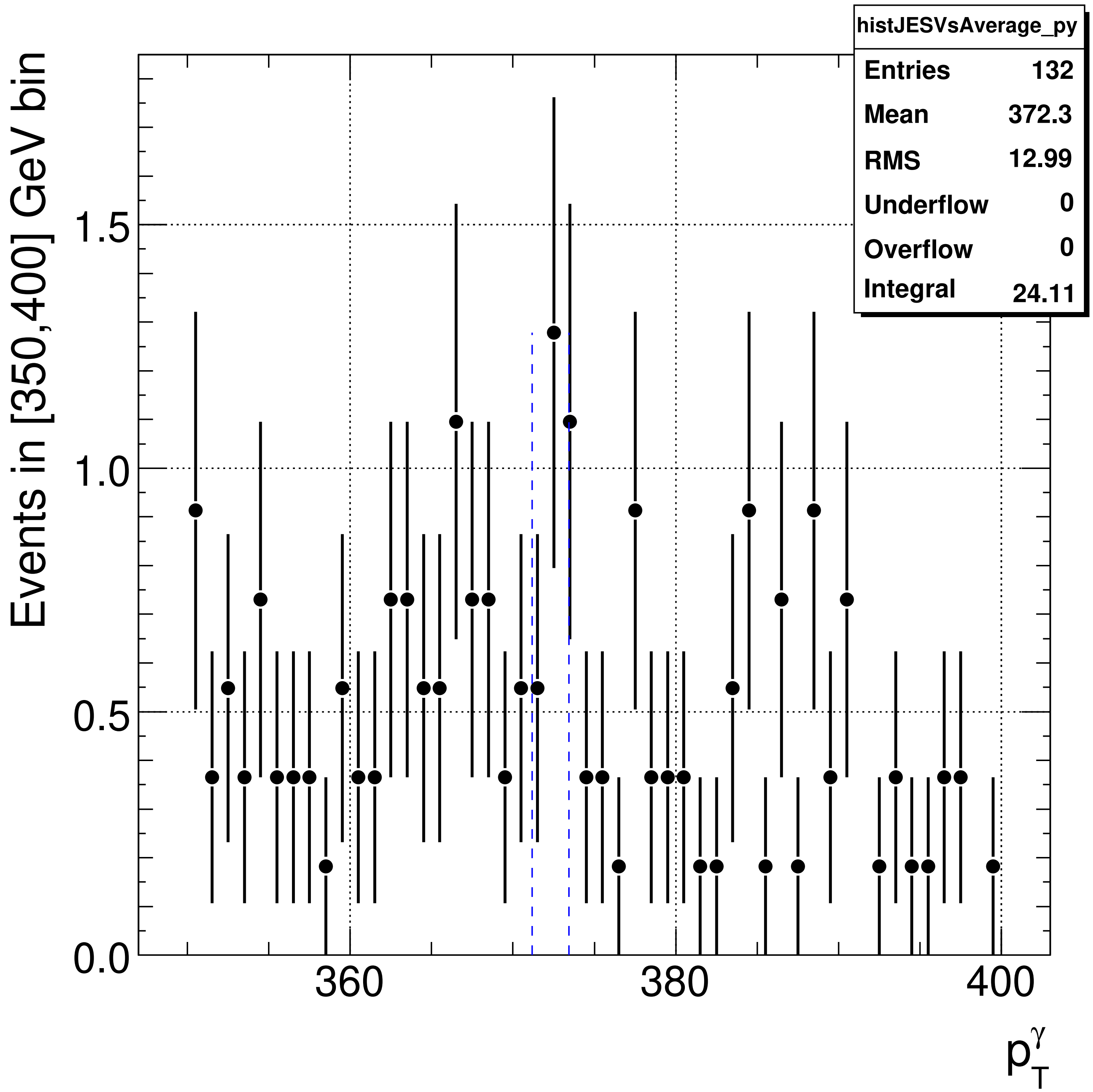
histJESVsAverage_py
Entries 856
Mean 236.4
RMS 7.21
Underflow 0
Overflow 0
Integral 156.3
Events in [225,250] GeV bin
10
5
0
230
240
250
p_T^{γ}



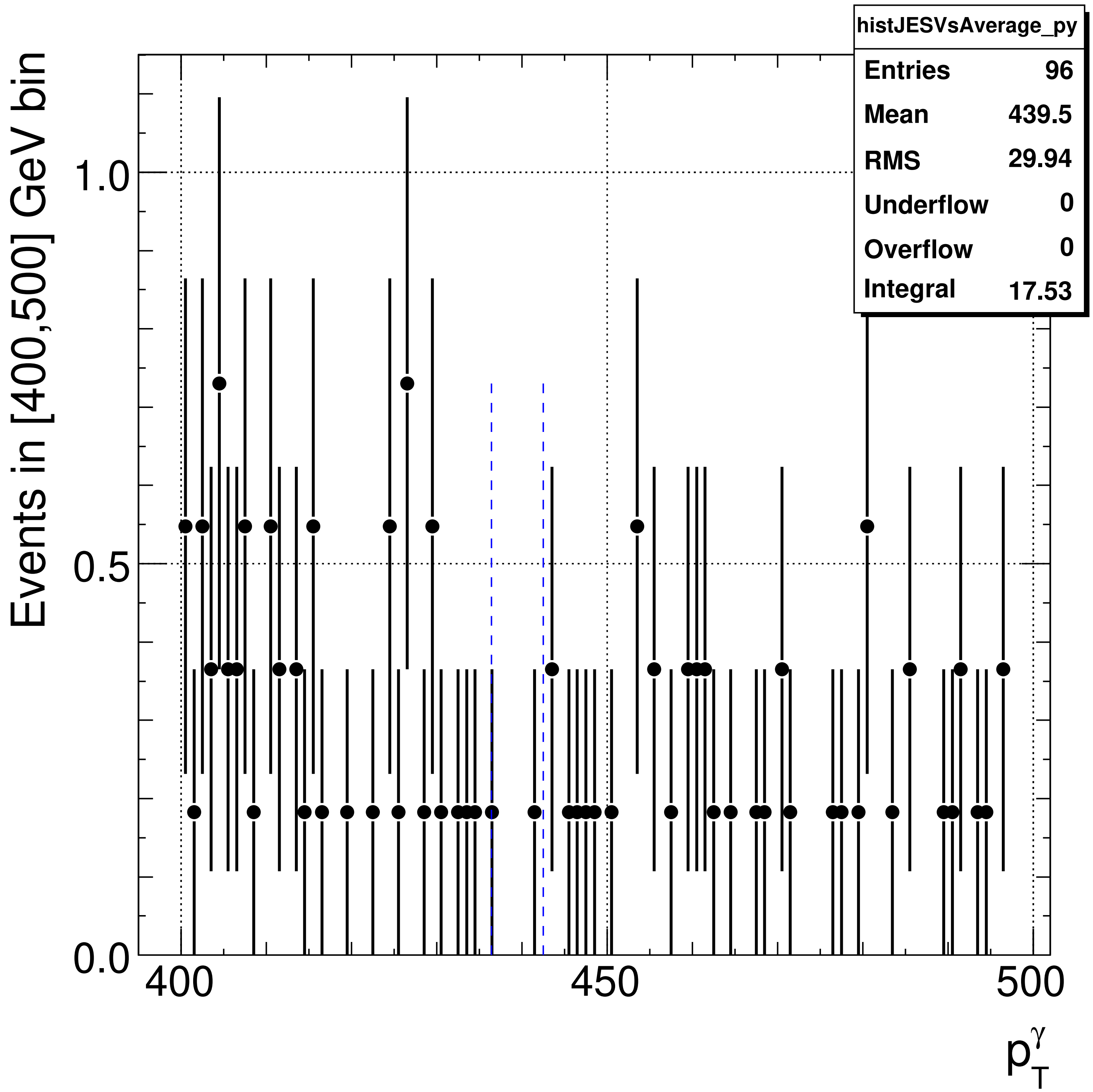
histJESVsAverage_py
Entries 555
Mean 261.1
RMS 7.236
Underflow 0
Overflow 0
Integral 101.4
Events in [250,275] GeV bin
0
2
4
6
8
250
260
270
p_T^γ


histJESVsAverage_py
Entries 319
Mean 286.6
RMS 7.327
Underflow 0
Overflow 0
Integral 58.26
Events in [275,300] GeV bin
0
1
2
3
4
280
290
300
p_T^γ

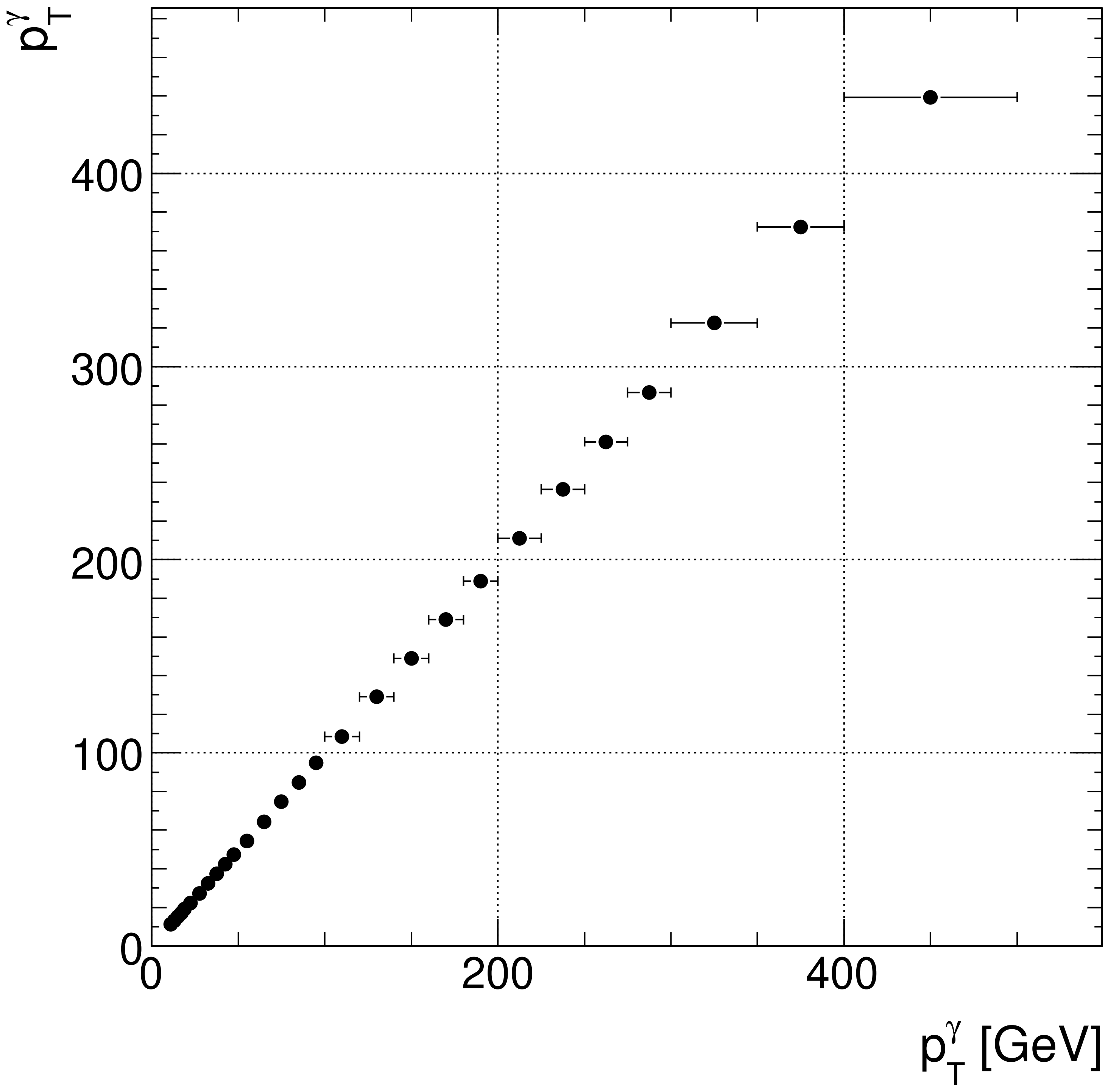

histJESVsAverage_py
Entries 355
Mean 322.5
RMS 14.35
Underflow 0
Overflow 0
Integral 64.83
Events in [300,350] GeV bin
p_T^{γ}
0
1
2
3
300
320
340



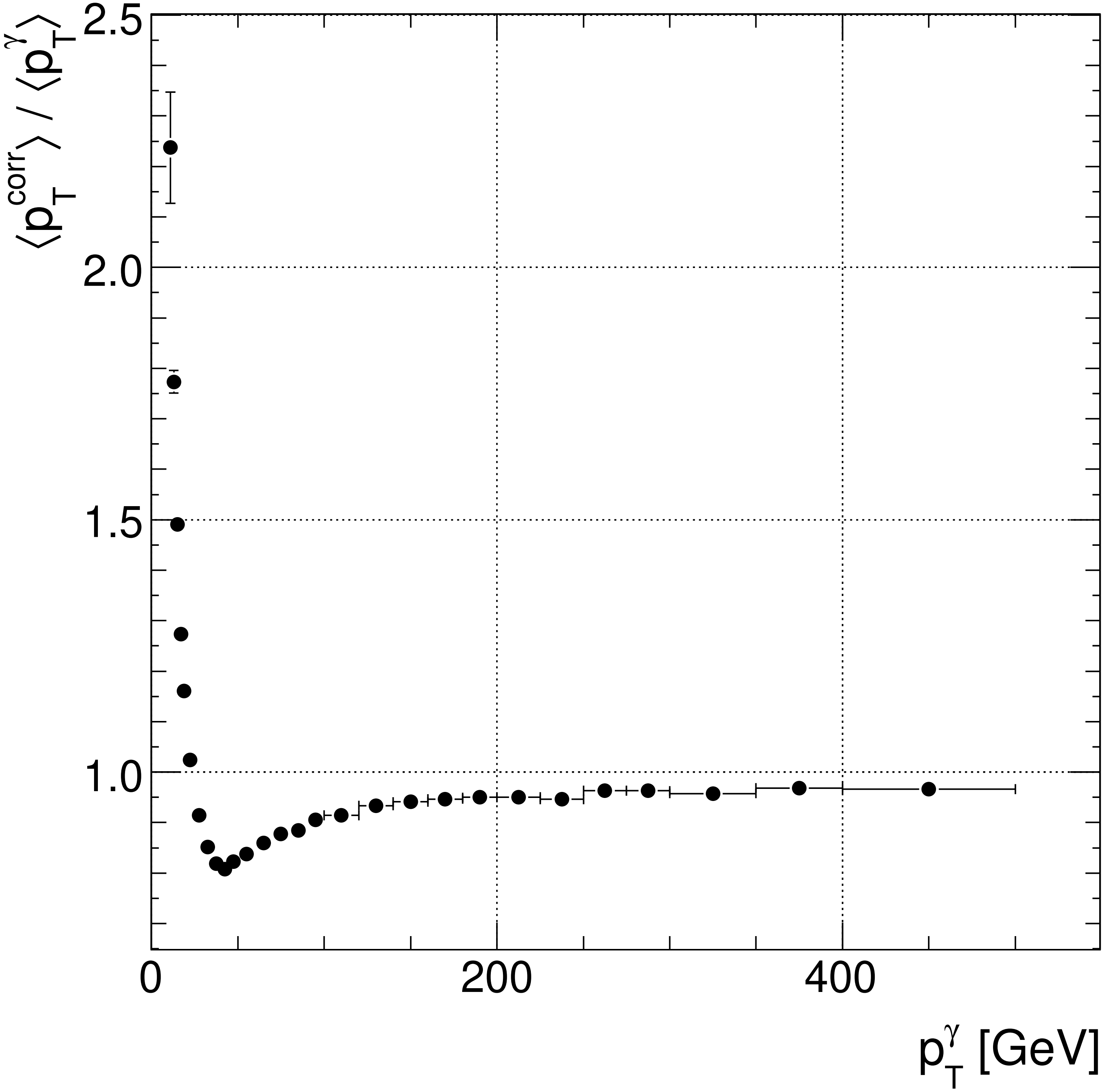
histJESVsAverage_py
Entries 132
Mean 372.3
RMS 12.99
Underflow 0
Overflow 0
Integral 24.11
Events in [350,400] GeV bin
0.0
0.5
1.0
1.5
360
380
400
p_T^γ



histJESVsAverage_py
Entries 96
Mean 439.5
RMS 29.94
Underflow 0
Overflow 0
Integral 17.53
Events in [400,500] GeV bin
1.0
0.5
0.0
400
450
500
p_T^γ



p_T^γ
400
300
200
100
0
0
200
400
p_T^γ [GeV]



⟨p_T^corr⟩ / ⟨p_T^γ⟩
2.5
2.0
1.5
1.0
0
200
400
p_T^γ [GeV]