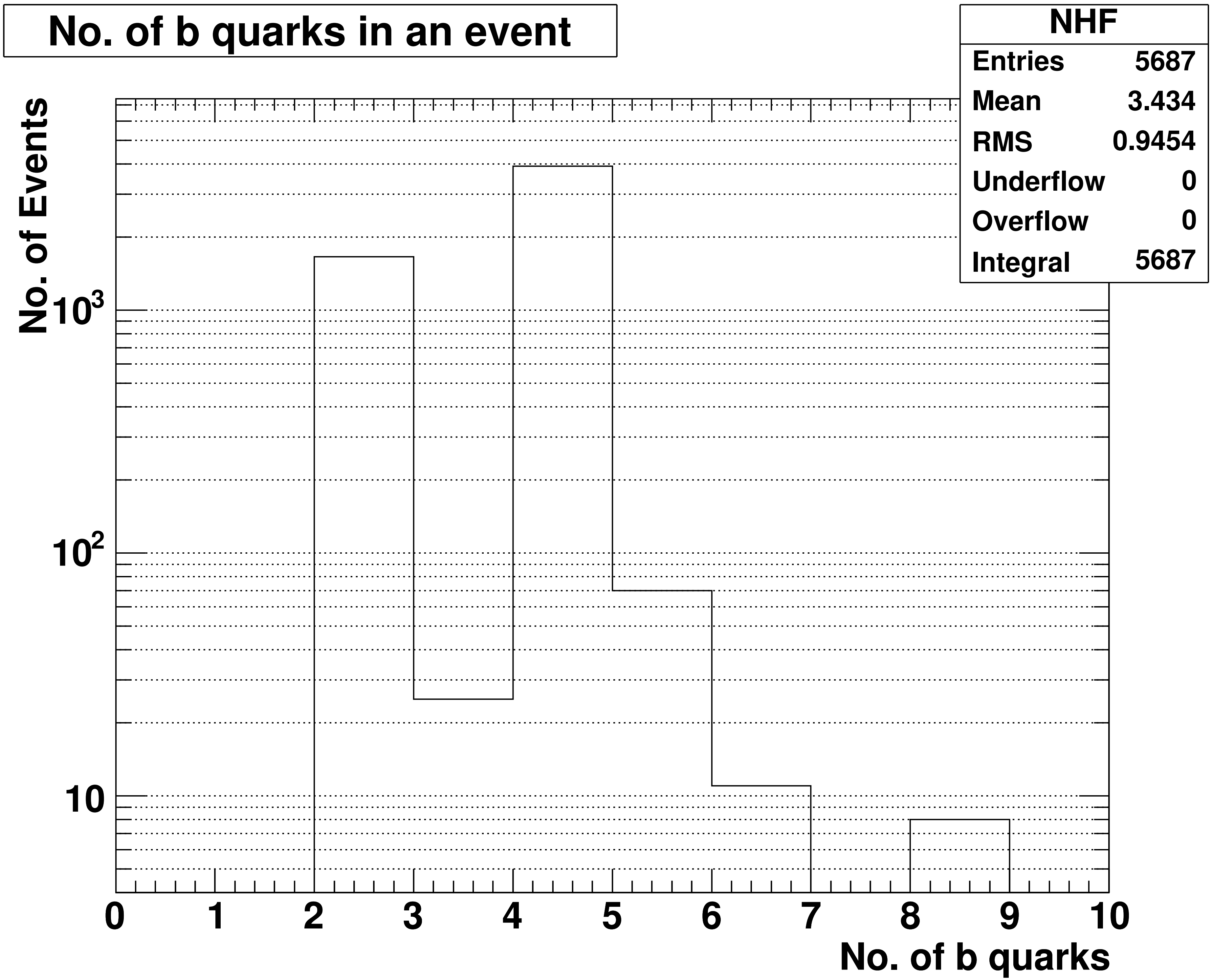
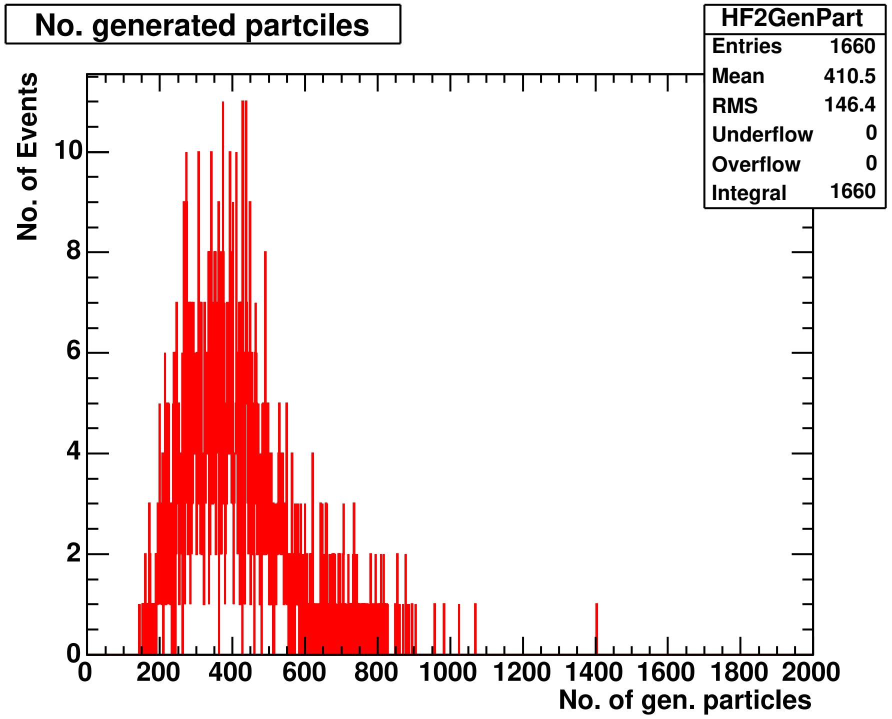
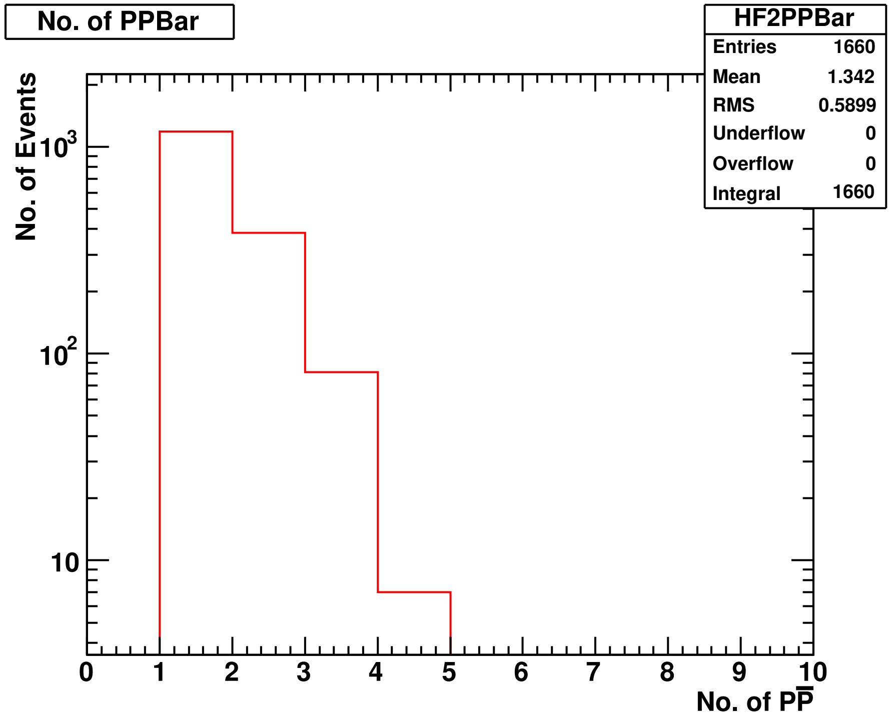
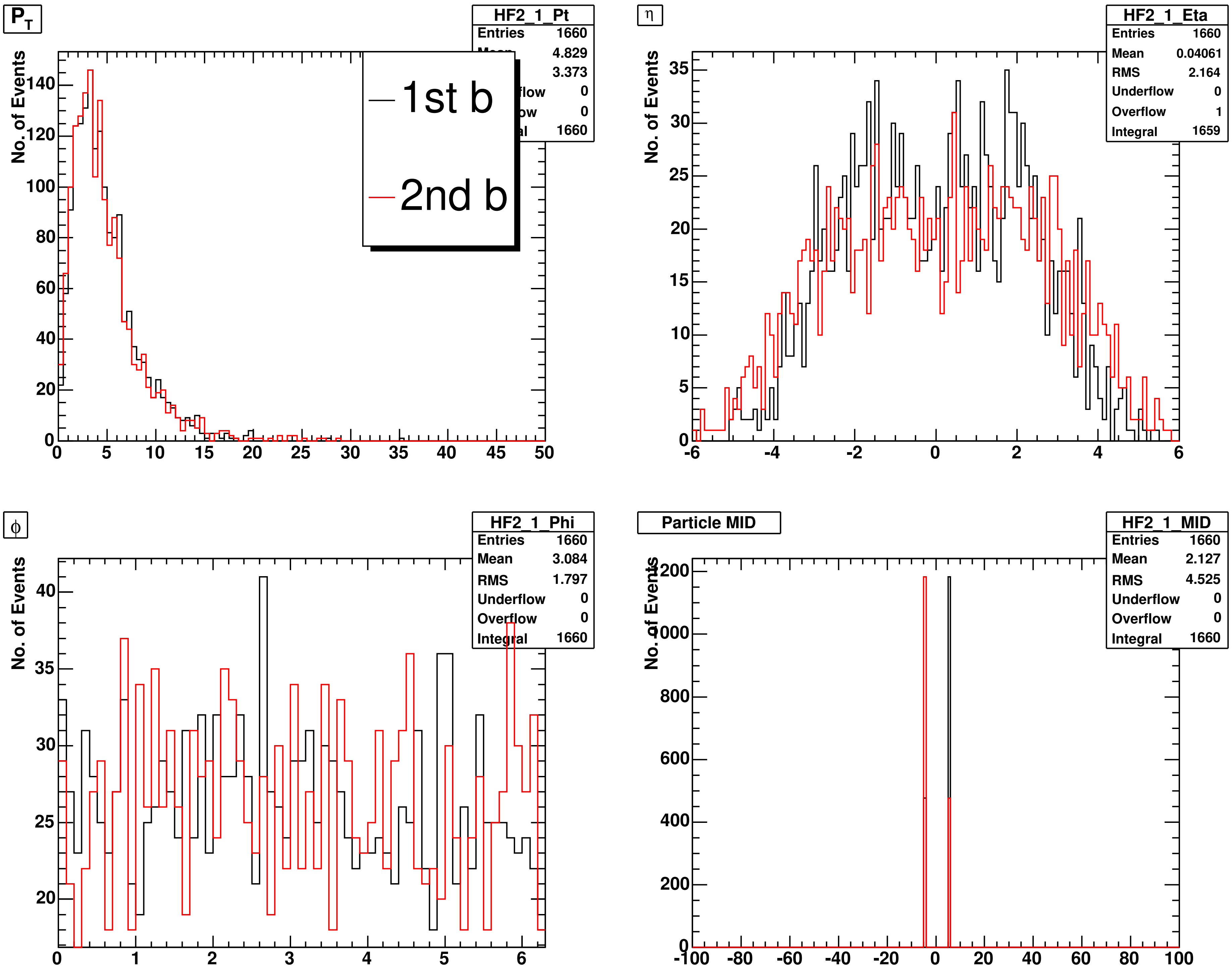

No. of b quarks in an event
NHF
Entries 5687
Mean 3.434
RMS 0.9454
Underflow 0
Overflow 0
Integral 5687
No. of Events
10^3
10^2
10
0
1
2
3
4
5
6
7
8
9
10
No. of b quarks



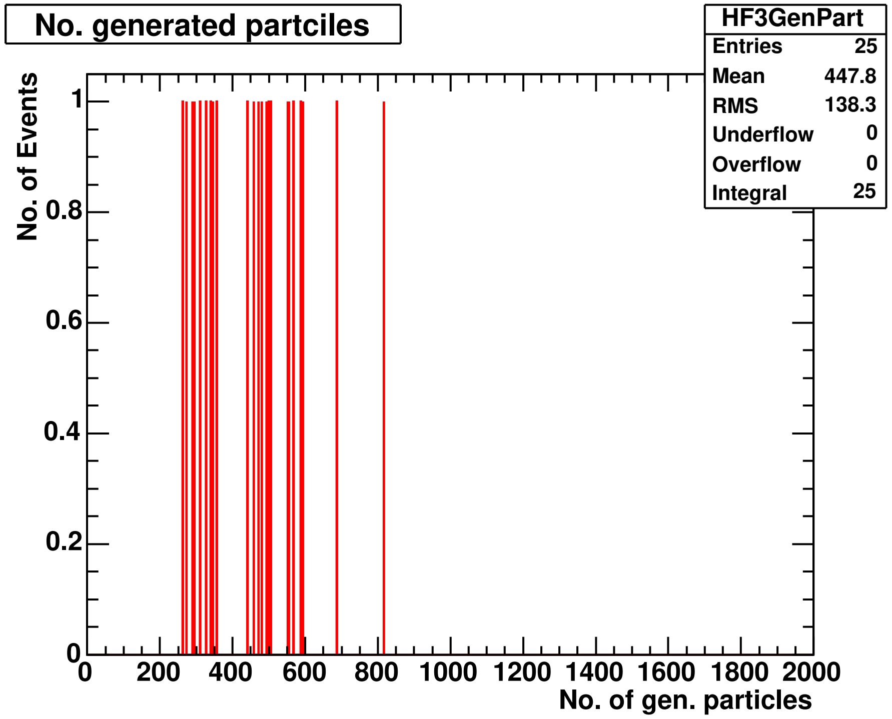


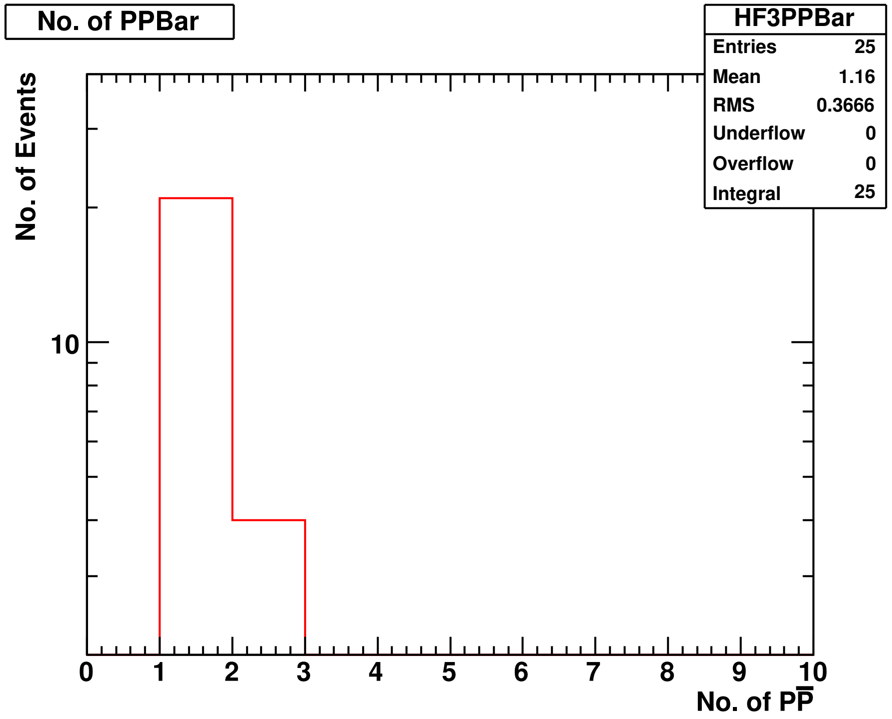
Events having 2 b quarks

In the next slide, events having 2 b quarks. Plots showing its kinematics.



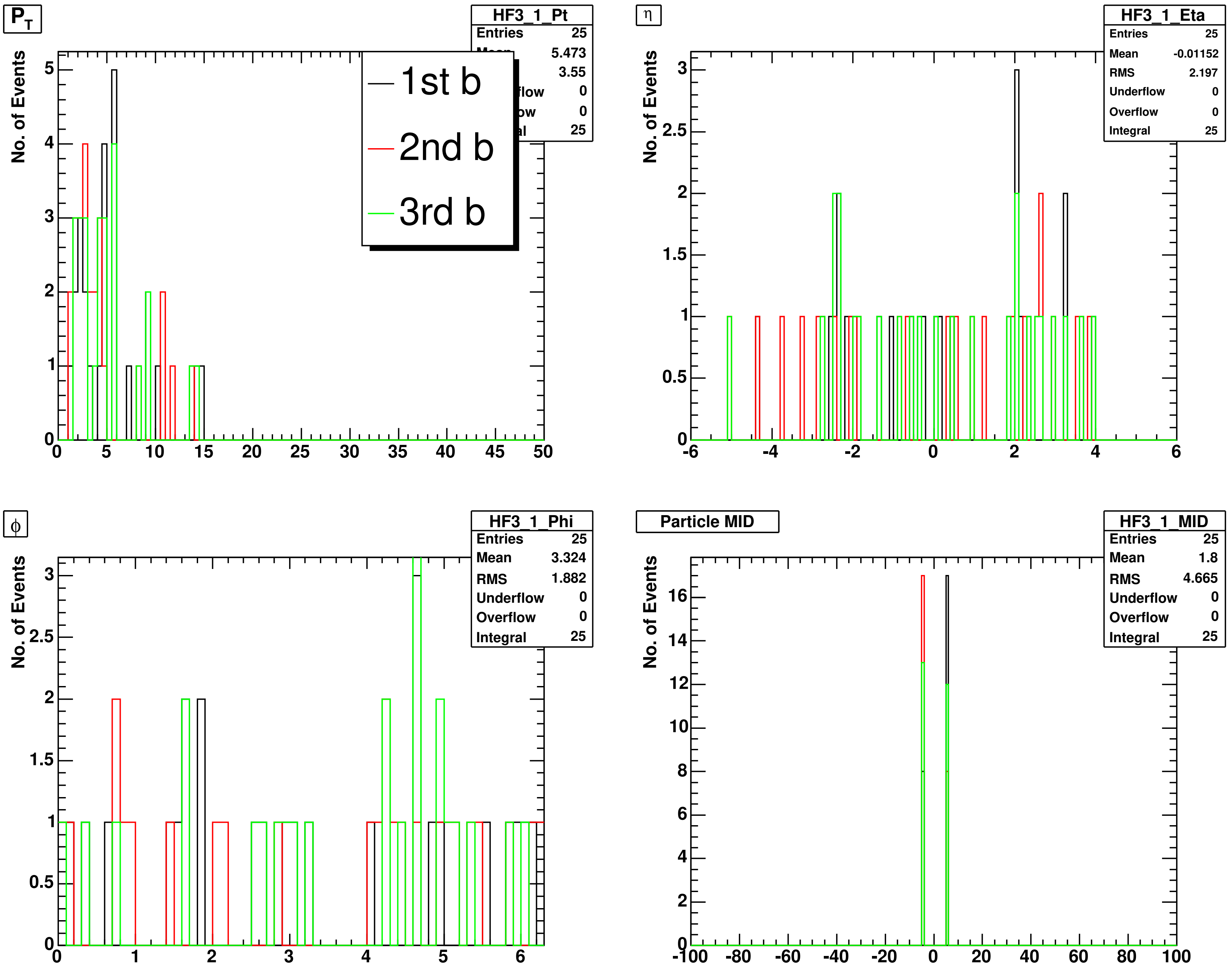
P_T
HF2_1_Pt
Entries 1660
4.829
3.373
0
0
1660
1st b
2nd b
No. of Events
η
HF2_1_Eta
Entries 1660
Mean 0.04061
RMS 2.164
Underflow 0
Overflow 1
Integral 1659
No. of Events
ϕ
HF2_1_Phi
Entries 1660
Mean 3.084
RMS 1.797
Underflow 0
Overflow 0
Integral 1660
No. of Events
Particle MID
HF2_1_MID
Entries 1660
Mean 2.127
RMS 4.525
Underflow 0
Overflow 0
Integral 1660
No. of Events



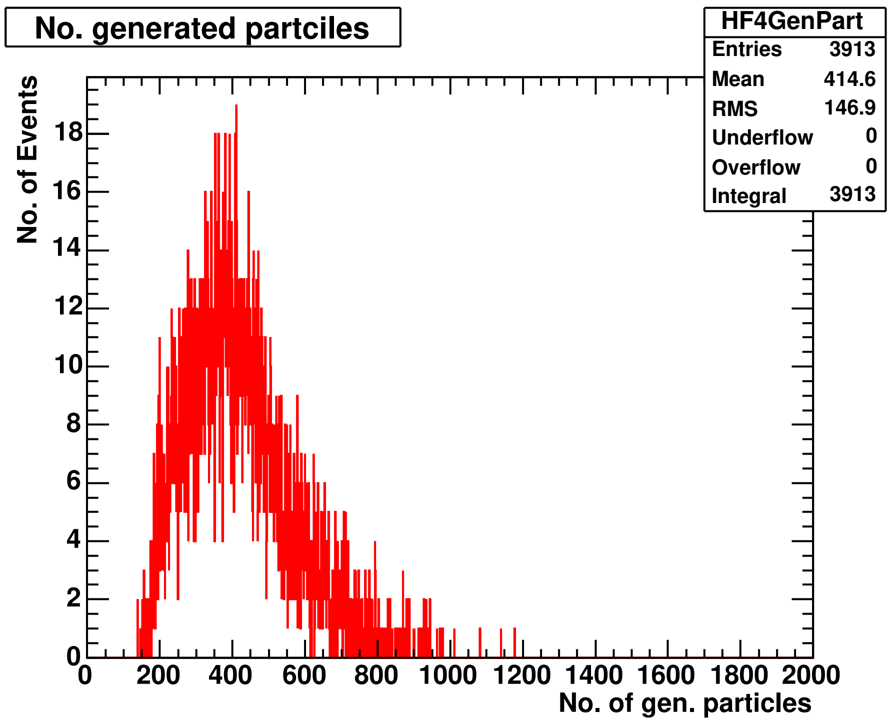


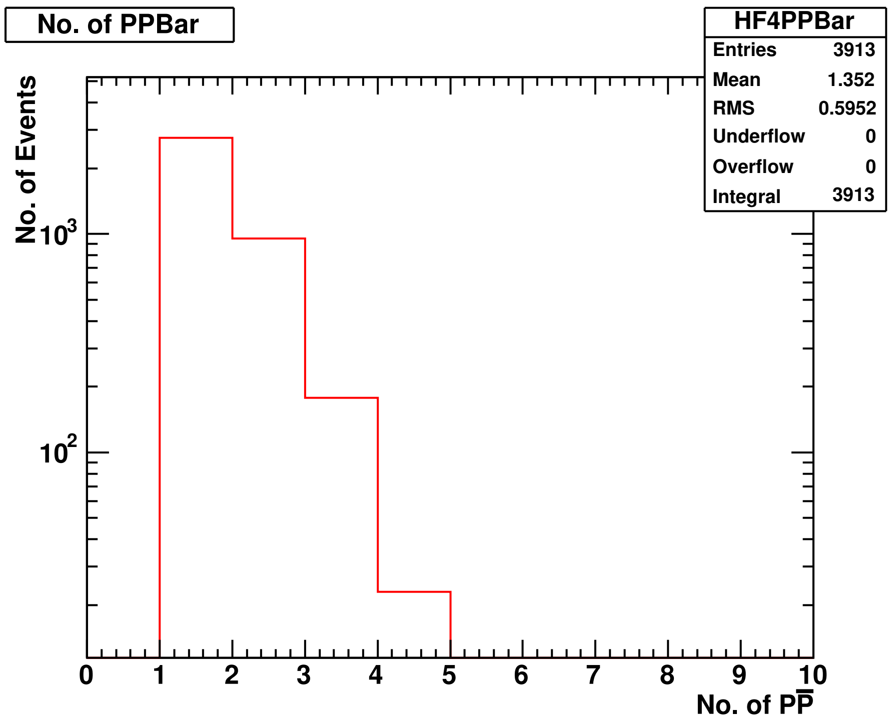
Events having 3 b quarks

In the next slide, events having 3 b quarks. Plots showing its kinematics.



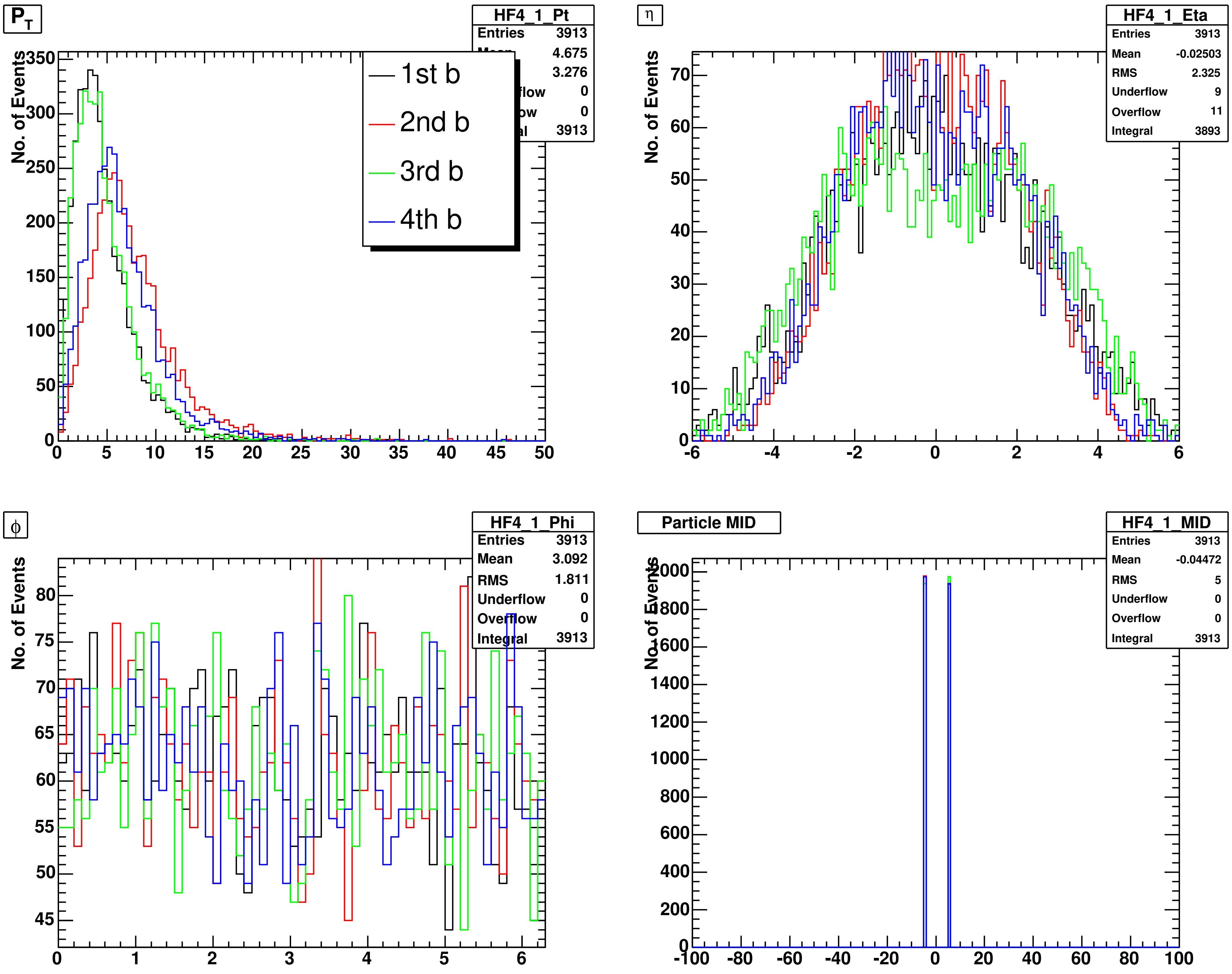
P_T
HF3_1_Pt
Entries 25
5.473
3.55
0
0
25
1st b
2nd b
3rd b
No. of Events
η
HF3_1_Eta
Entries 25
Mean -0.01152
RMS 2.197
Underflow 0
Overflow 0
Integral 25
No. of Events
ϕ
HF3_1_Phi
Entries 25
Mean 3.324
RMS 1.882
Underflow 0
Overflow 0
Integral 25
No. of Events
Particle MID
HF3_1_MID
Entries 25
Mean 1.8
RMS 4.665
Underflow 0
Overflow 0
Integral 25
No. of Events



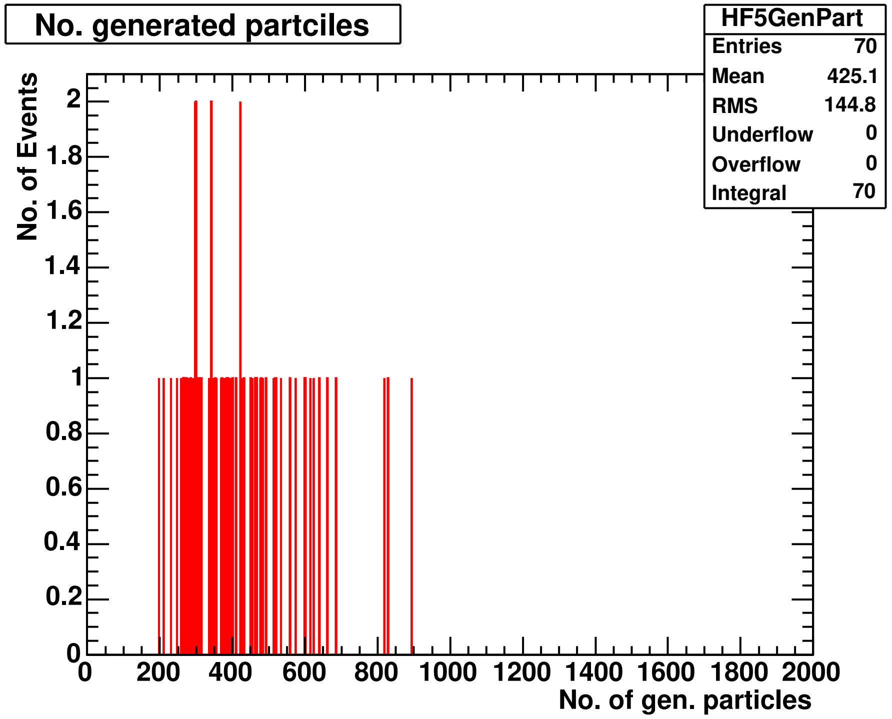


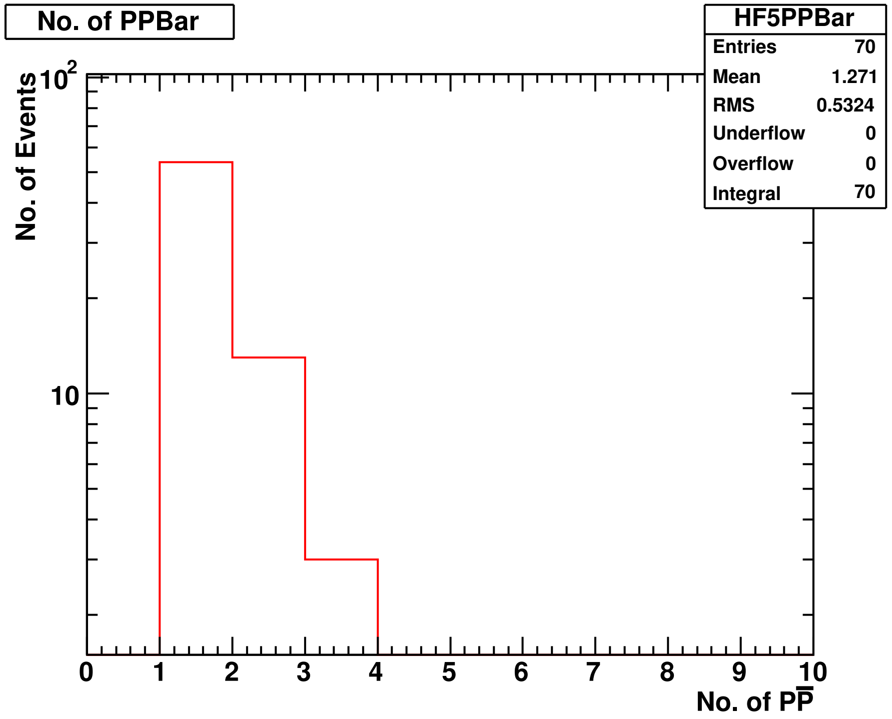
Events having 4 b quarks

In the next slide, events having 4 b quarks. Plots showing its kinematics.



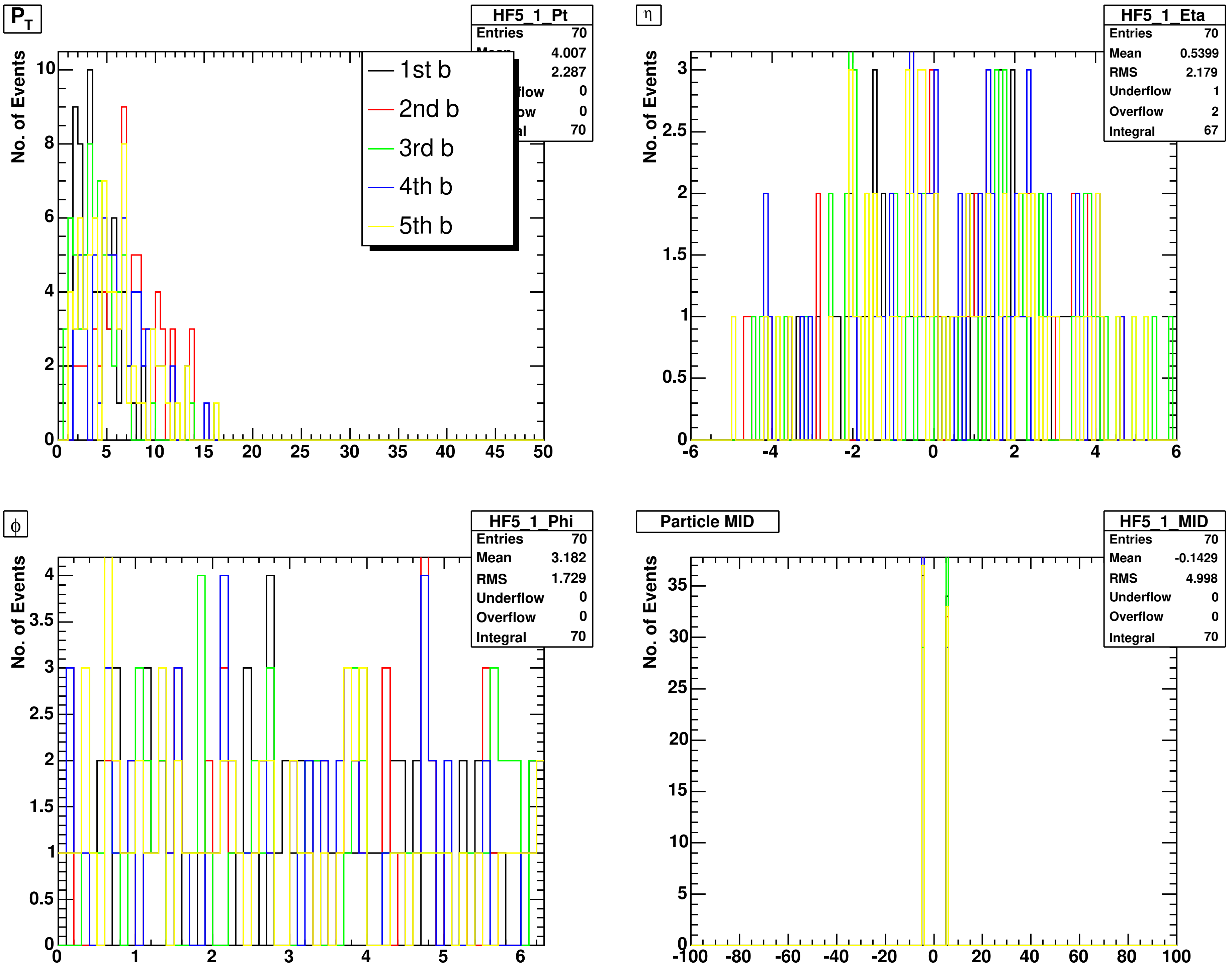
P_T
HF4_1_Pt
Entries 3913
4.675
3.276
0
0
3913
1st b
2nd b
3rd b
4th b
No. of Events
η
HF4_1_Eta
Entries 3913
Mean -0.02503
RMS 2.325
Underflow 9
Overflow 11
Integral 3893
No. of Events
ϕ
HF4_1_Phi
Entries 3913
Mean 3.092
RMS 1.811
Underflow 0
Overflow 0
Integral 3913
No. of Events
Particle MID
HF4_1_MID
Entries 3913
Mean -0.04472
RMS 5
Underflow 0
Overflow 0
Integral 3913
No. of Events

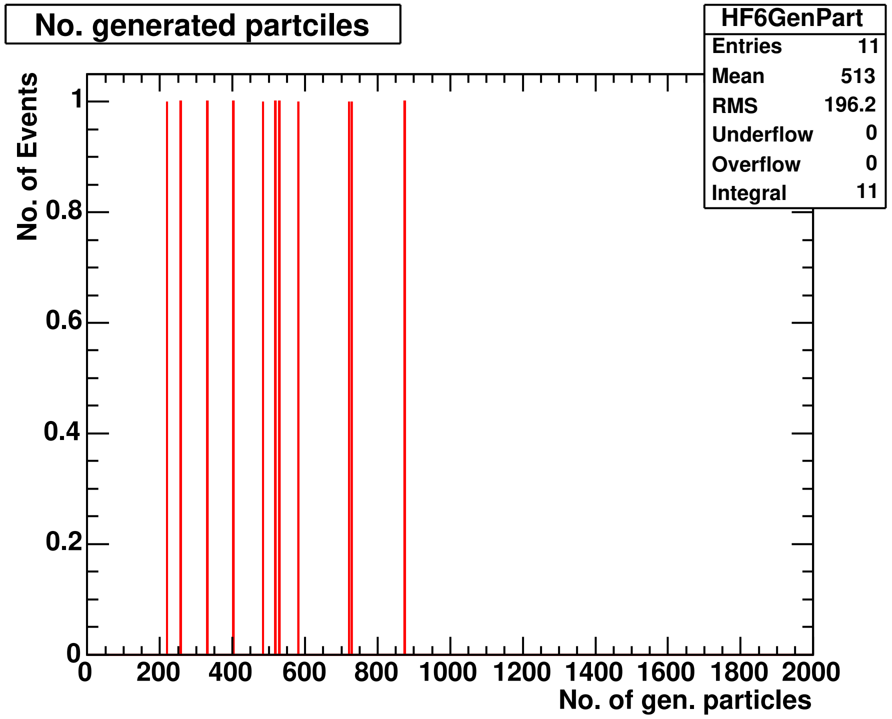


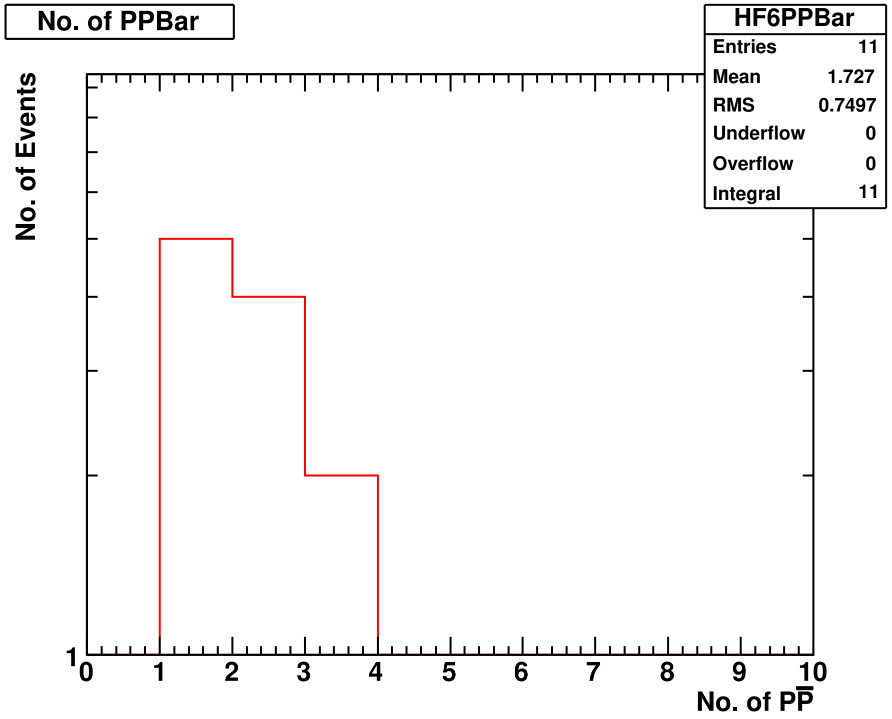


Events having 5 b quarks

In the next slide, events having 5 b quarks. Plots showing its kinematics.

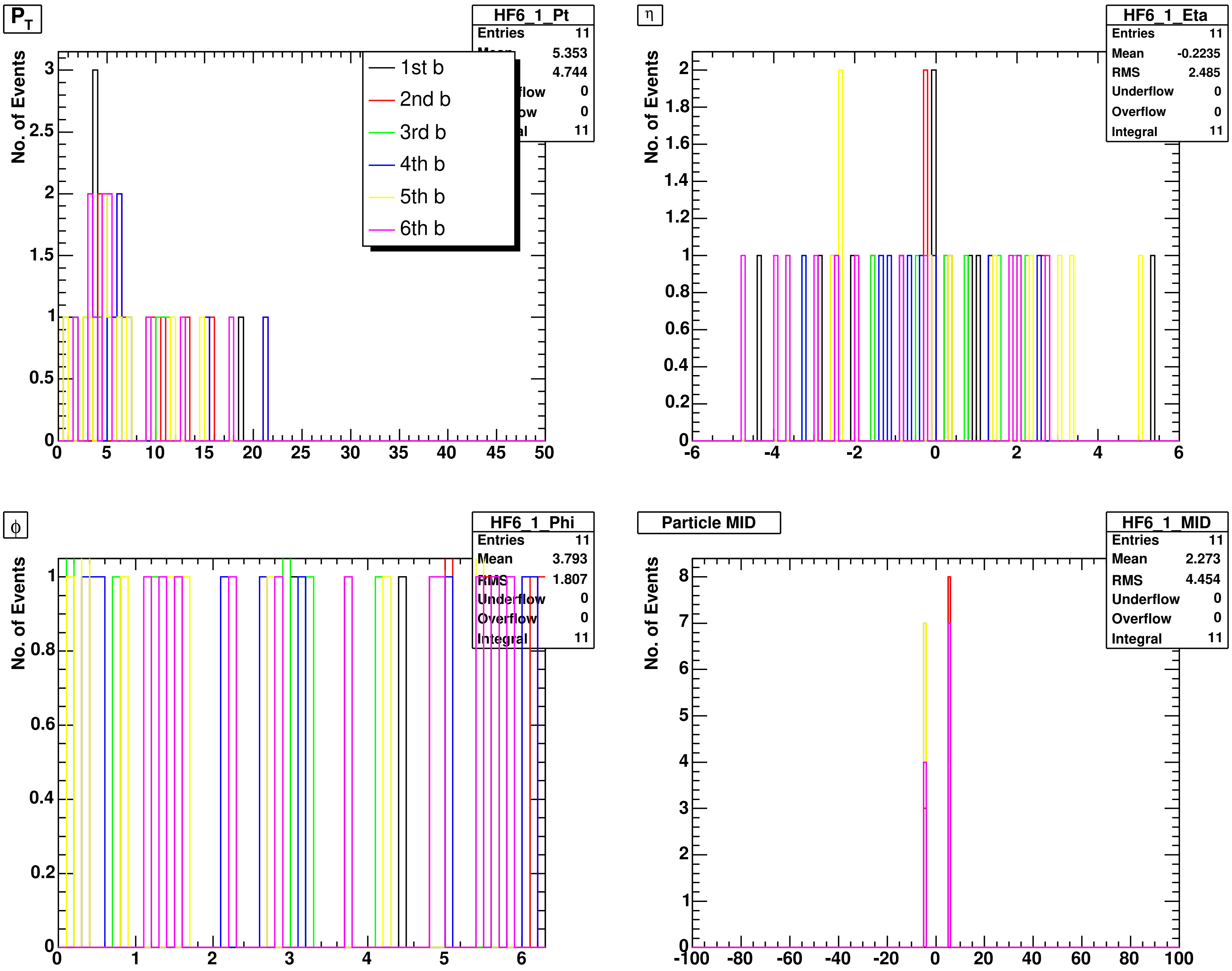

P_T
HF5_1_Pt
Entries 70
Mean 4.007
RMS 2.287
Underflow 0
Overflow 0
Integral 70
1st b
2nd b
3rd b
4th b
5th b
No. of Events
η
HF5_1_Eta
Entries 70
Mean 0.5399
RMS 2.179
Underflow 1
Overflow 2
Integral 67
No. of Events
ϕ
HF5_1_Phi
Entries 70
Mean 3.182
RMS 1.729
Underflow 0
Overflow 0
Integral 70
No. of Events
Particle MID
HF5_1_MID
Entries 70
Mean -0.1429
RMS 4.998
Underflow 0
Overflow 0
Integral 70
No. of Events



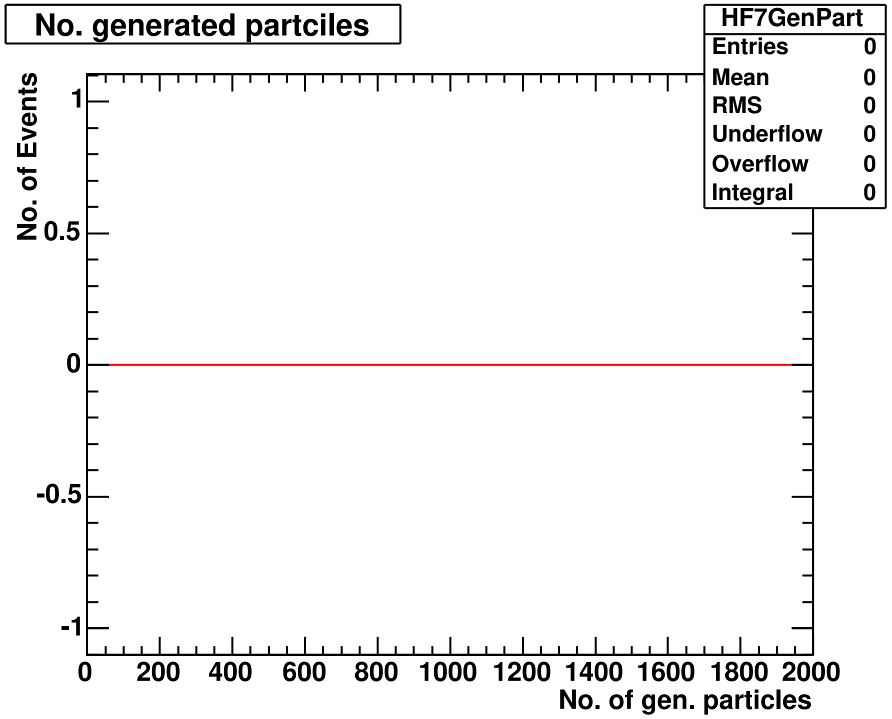


Events having 6 b quarks

In the next slide, events having 6 b quarks. Plots showing its kinematics.

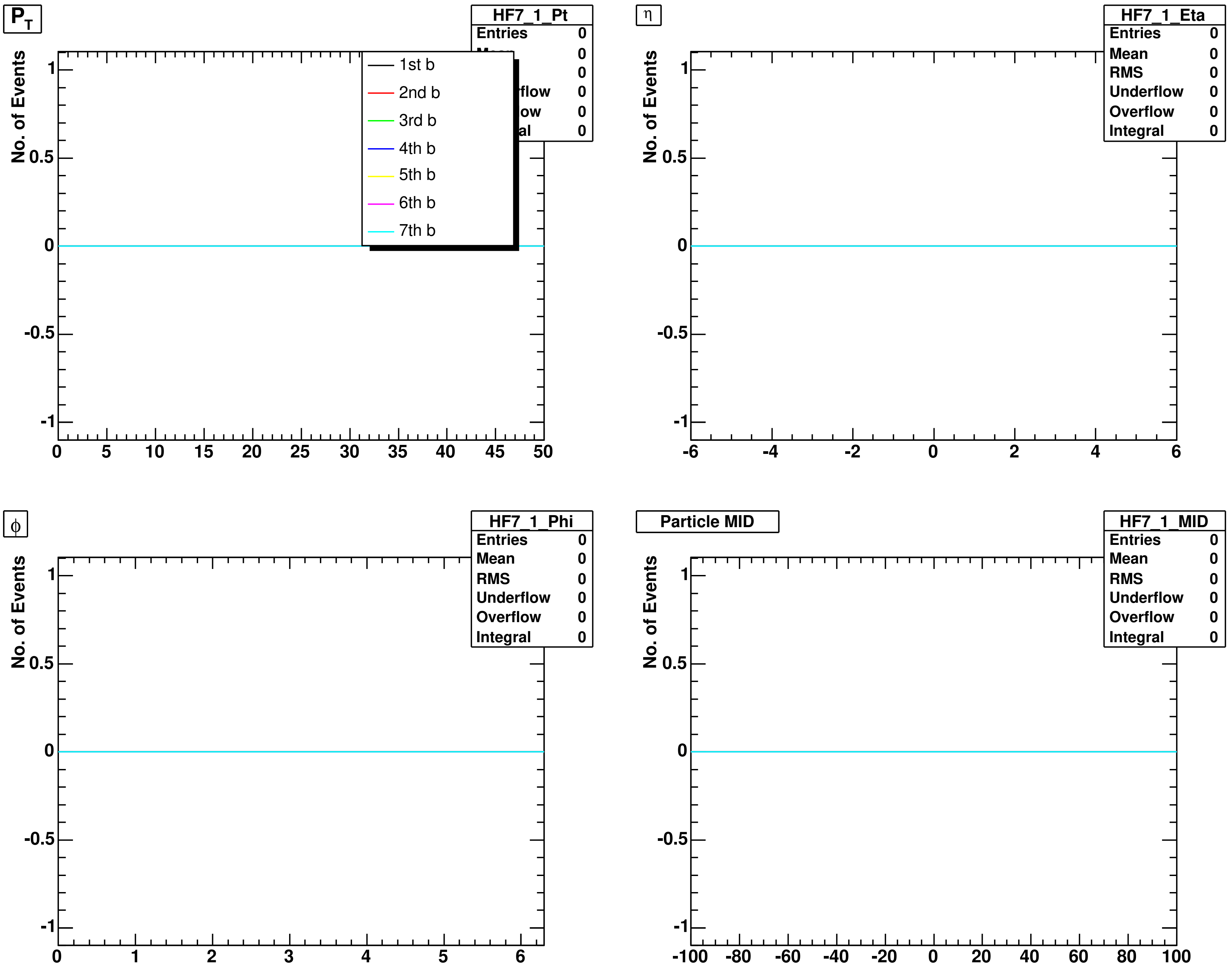


P_T
HF6_1_Pt
Entries 11
5.353
4.744
0
0
11
1st b
2nd b
3rd b
4th b
5th b
6th b
No. of Events
η
HF6_1_Eta
Entries 11
Mean -0.2235
RMS 2.485
Underflow 0
Overflow 0
Integral 11
No. of Events
φ
HF6_1_Phi
Entries 11
Mean 3.793
RMS 1.807
Underflow 0
Overflow 0
Integral 11
No. of Events
Particle MID
HF6_1_MID
Entries 11
Mean 2.273
RMS 4.454
Underflow 0
Overflow 0
Integral 11
No. of Events

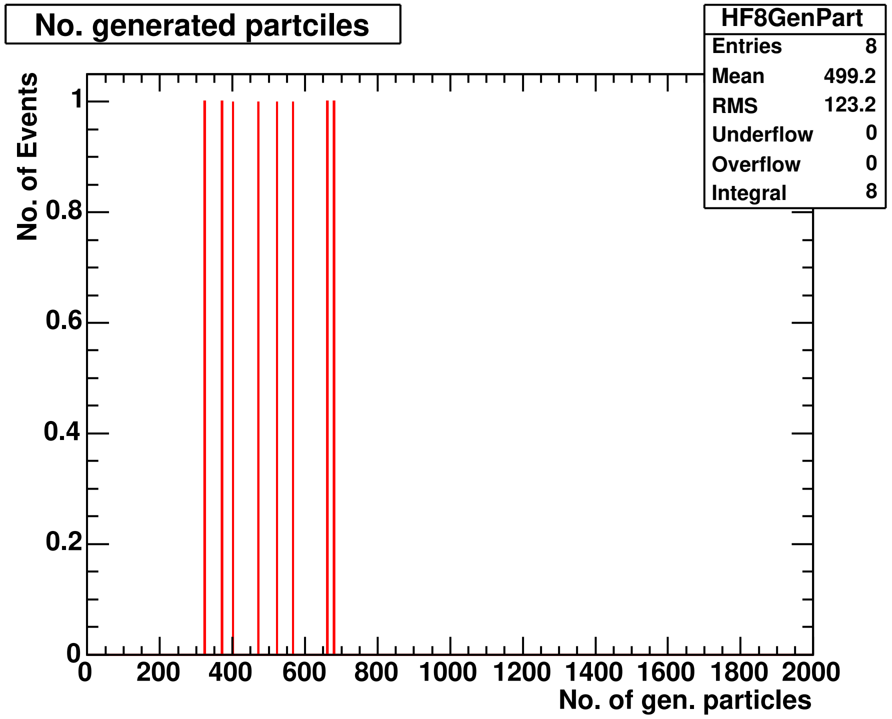


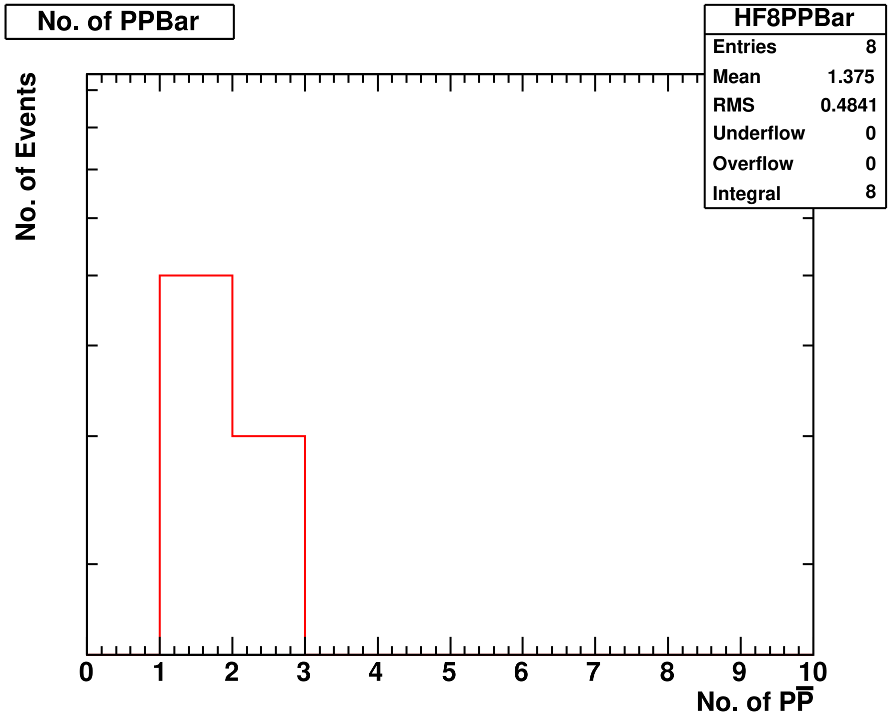
Events having 7 b quarks

In the next slide, events having 7 b quarks. Plots showing its kinematics.



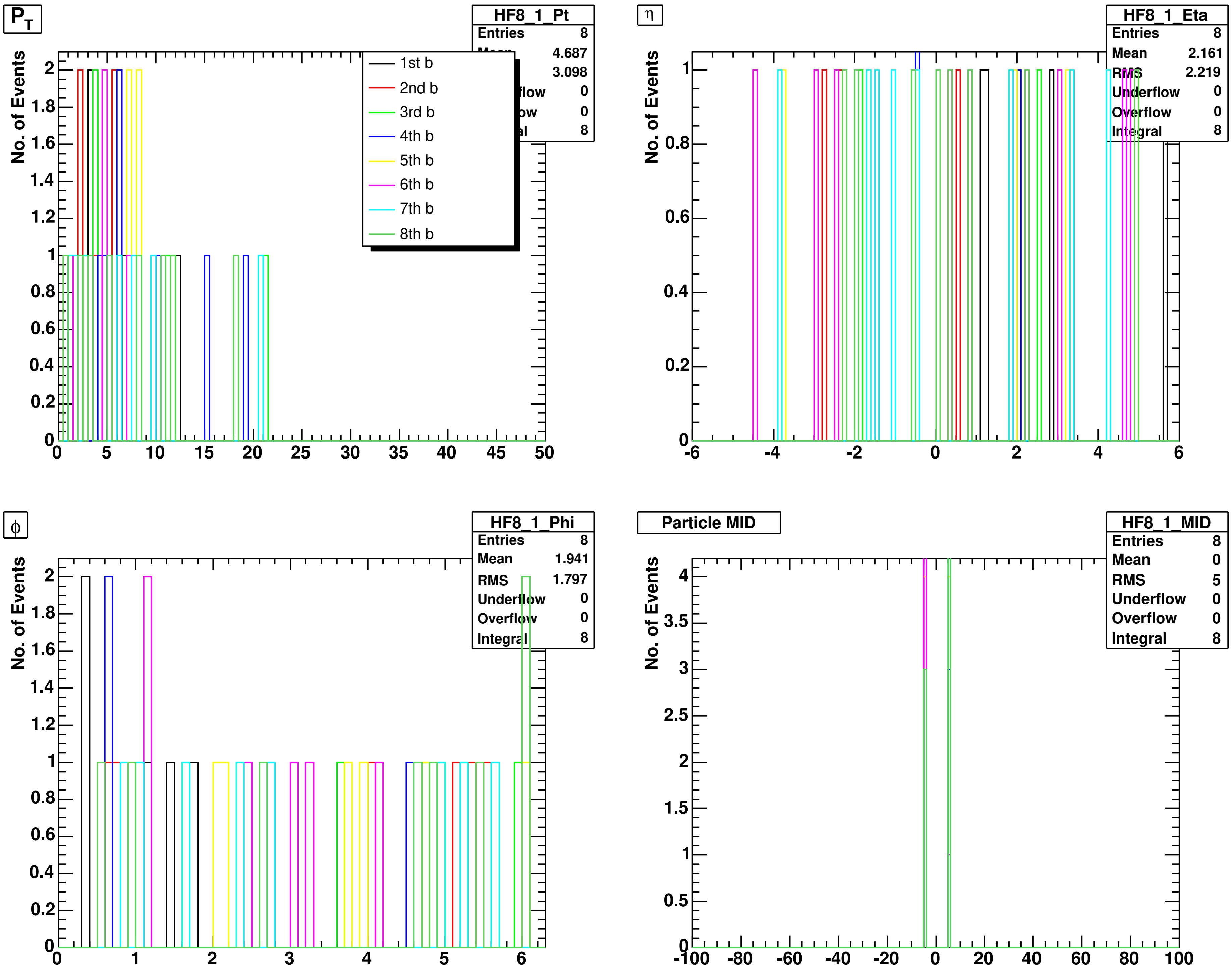
P_T
HF7_1_Pt
Entries 0
1st b
2nd b
3rd b
4th b
5th b
6th b
7th b
No. of Events
η
HF7_1_Eta
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
No. of Events
φ
HF7_1_Phi
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
No. of Events
Particle MID
HF7_1_MID
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
No. of Events





Events having 8 b quarks

In the next slide, events having 8 b quarks. Plots showing its kinematics.



P_T
HF8_1_Pt
Entries 8
4.687
3.098
1st b
2nd b
3rd b
4th b
5th b
6th b
7th b
8th b
No. of Events
η
HF8_1_Eta
Entries 8
Mean 2.161
RMS 2.219
Underflow 0
Overflow 0
Integral 8
No. of Events
φ
HF8_1_Phi
Entries 8
Mean 1.941
RMS 1.797
Underflow 0
Overflow 0
Integral 8
No. of Events
Particle MID
HF8_1_MID
Entries 8
Mean 0
RMS 5
Underflow 0
Overflow 0
Integral 8
No. of Events