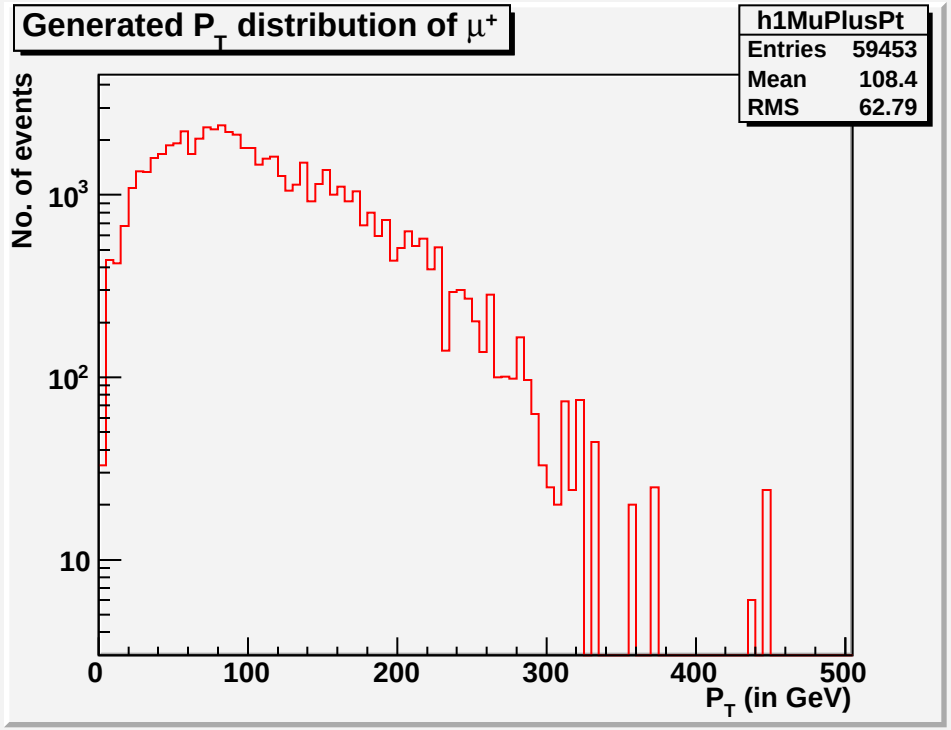
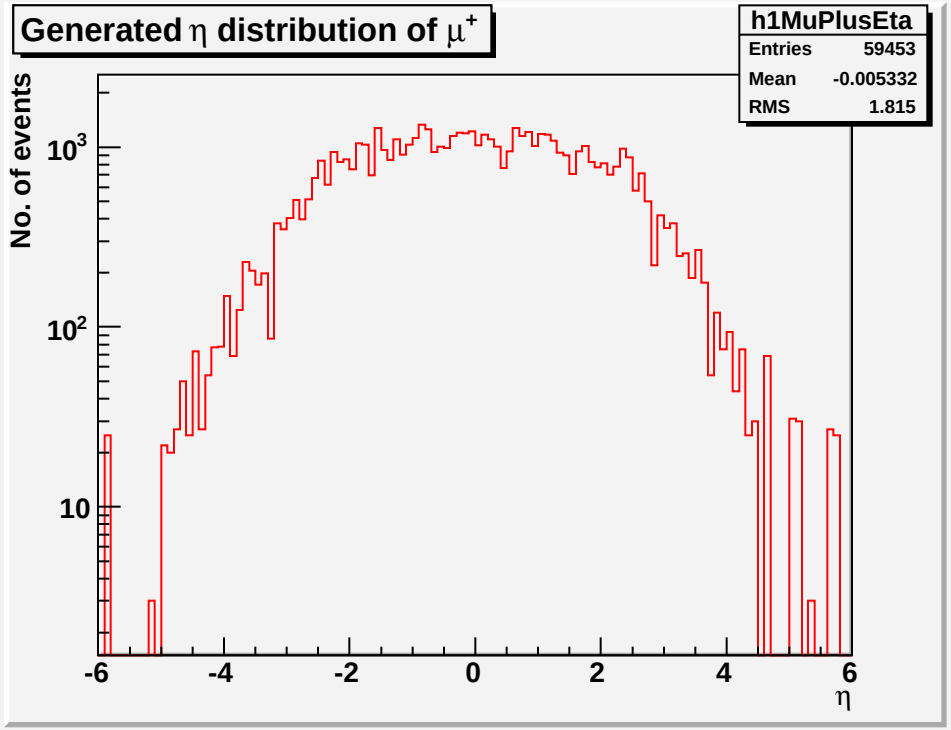
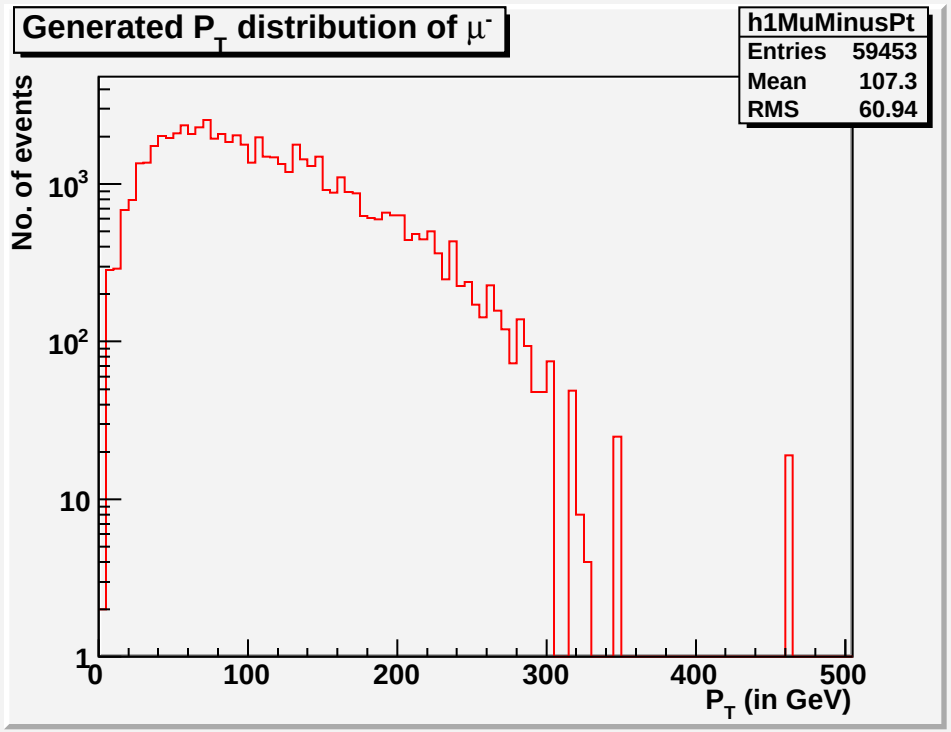
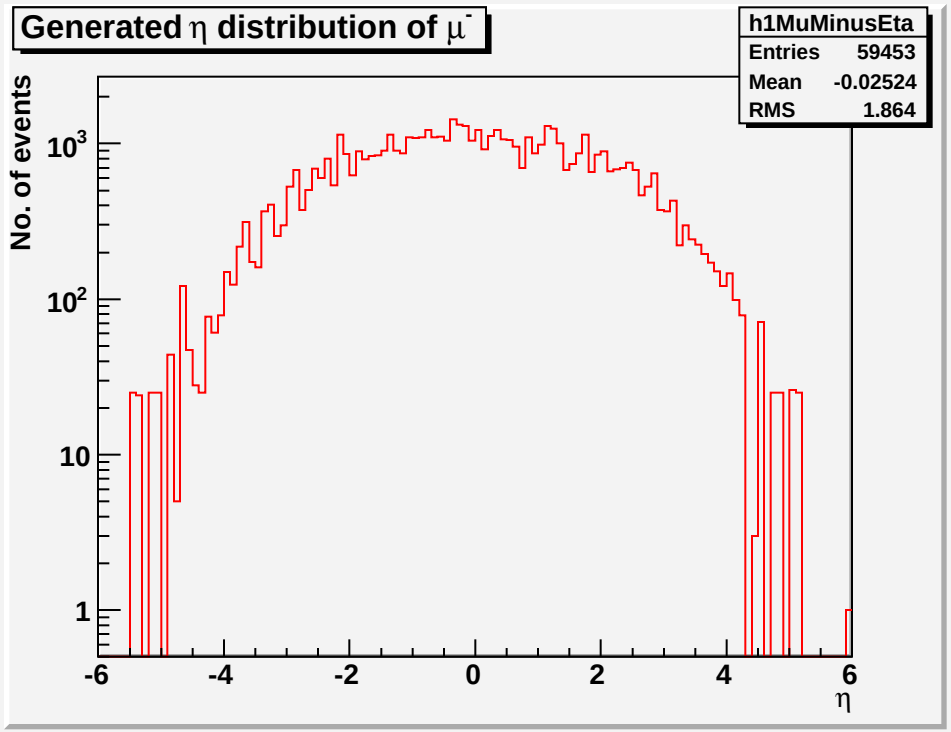
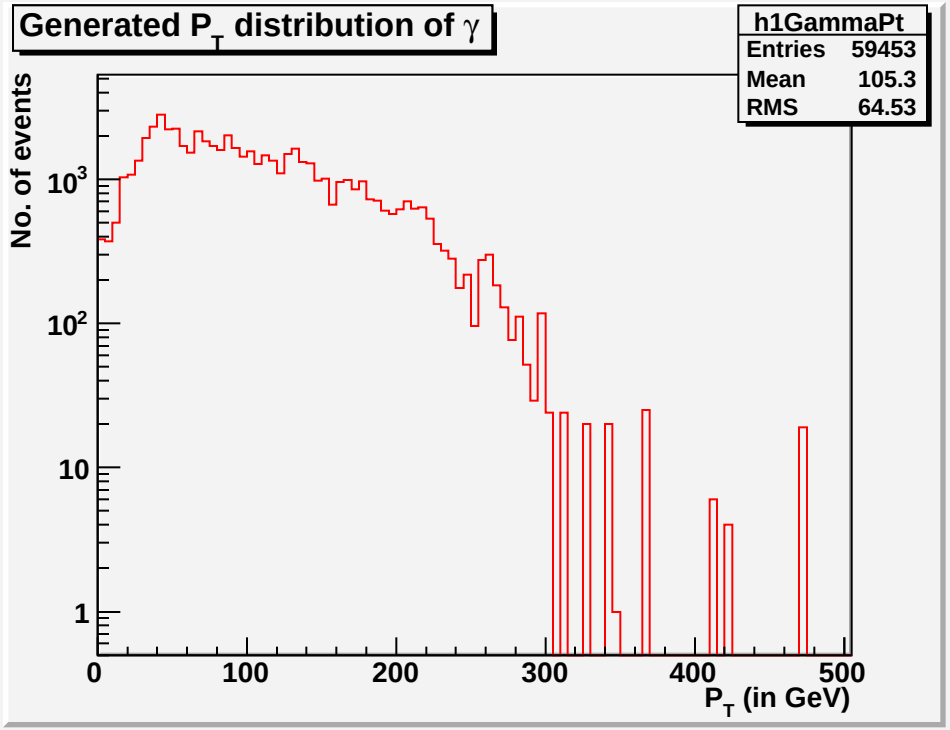
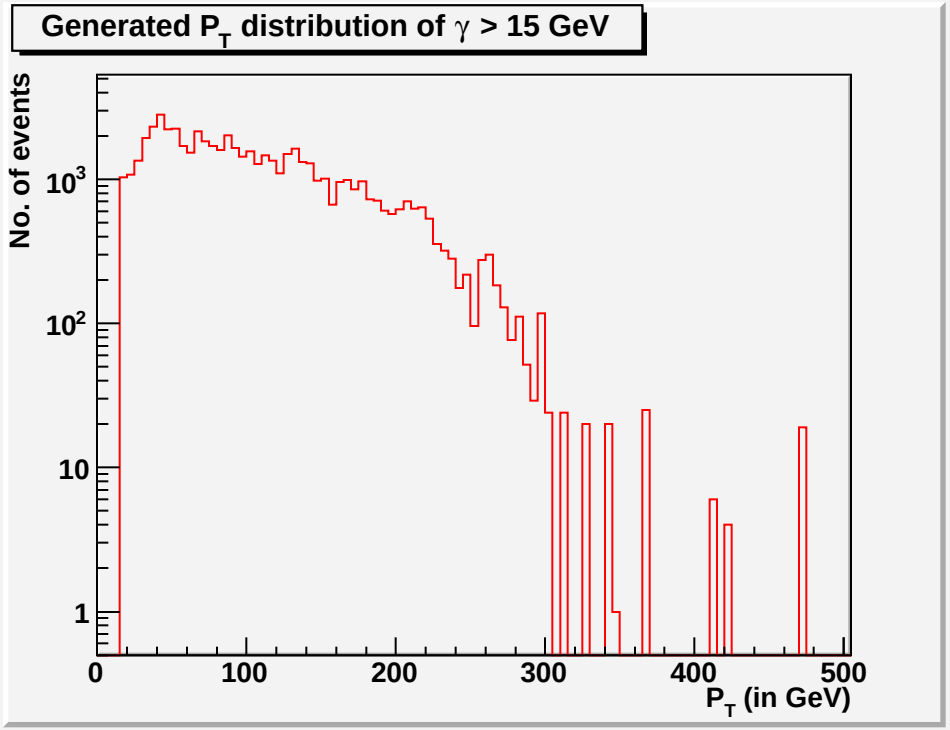

Generated P_T distribution of μ^+
h1MuPlusPt
Entries 59453
Mean 108.4
RMS 62.79
No. of events
10^3
10^2
10
0
100
200
300
400
500
P_T (in GeV)

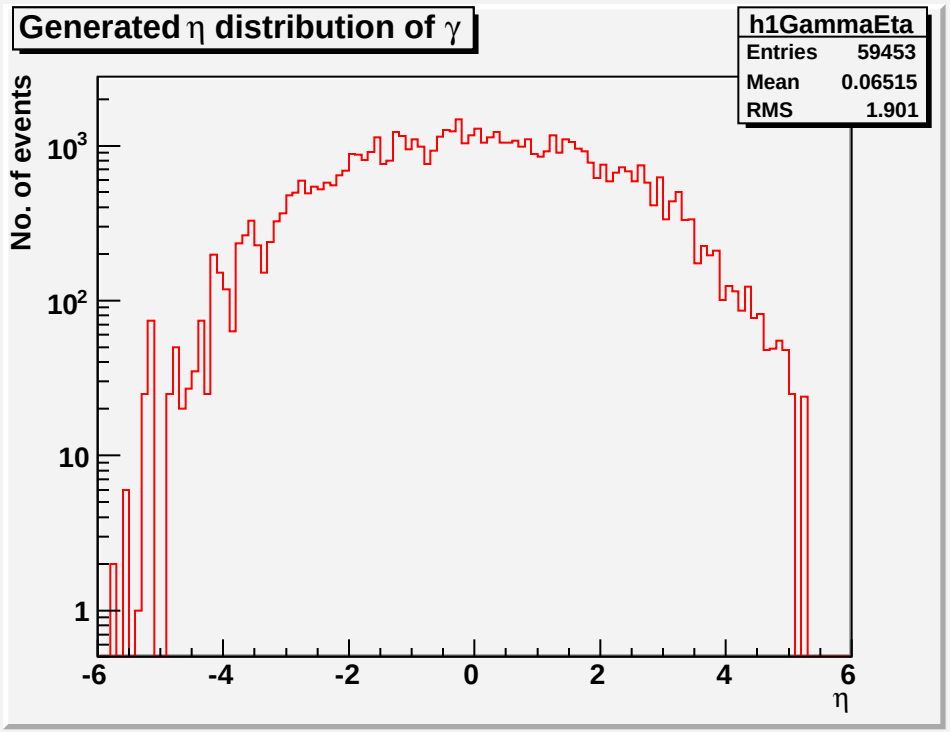

Generated η distribution of μ^+
h1MuPlusEta
Entries 59453
Mean -0.005332
RMS 1.815
No. of events
10^3
10^2
10
-6
-4
-2
0
2
4
6
η

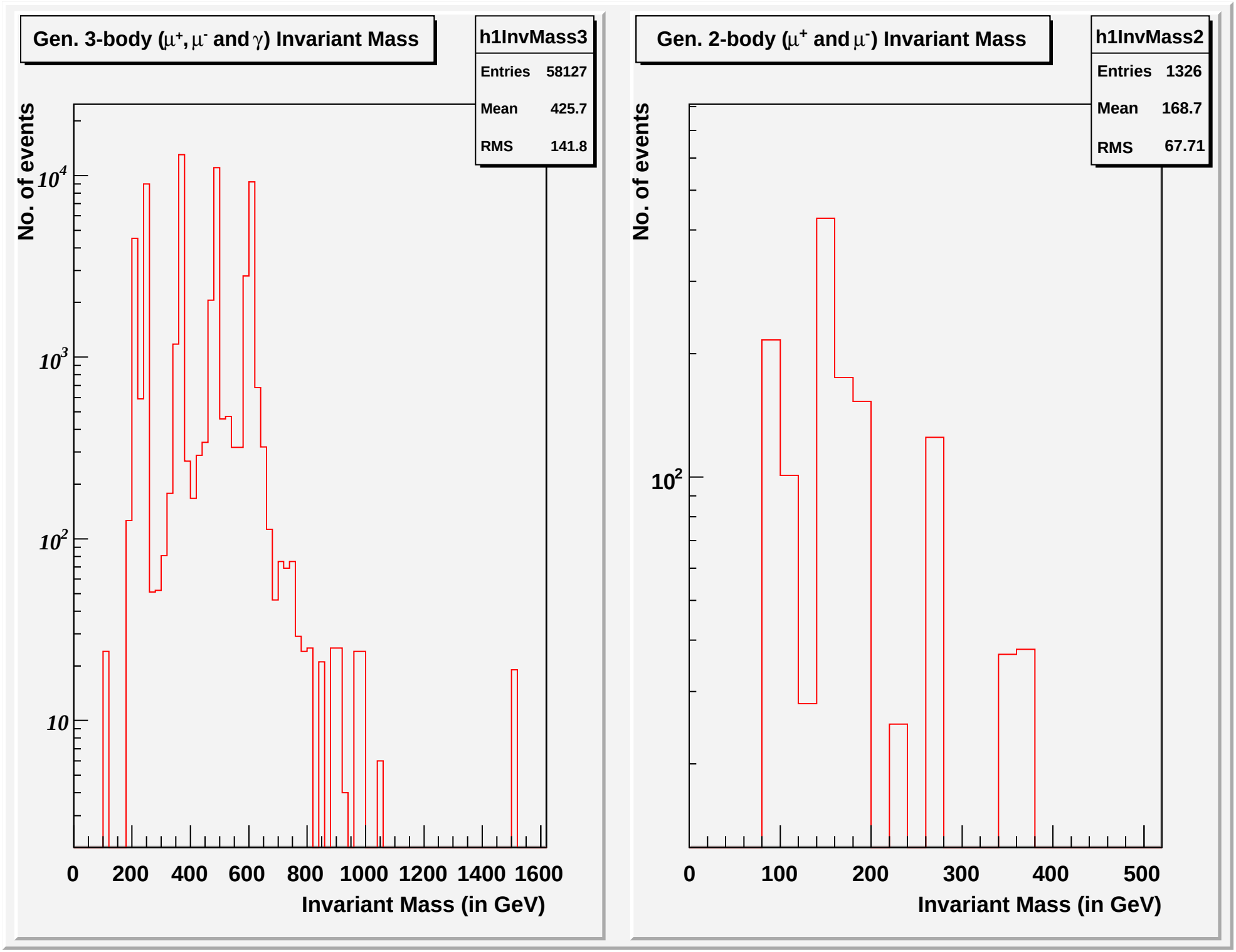

Generated P_T distribution of μ^-
h1MuMinusPt
Entries 59453
Mean 107.3
RMS 60.94
No. of events
10^3
10^2
10
1
0
100
200
300
400
500
P_T (in GeV)


Generated η distribution of μ^-
h1MuMinusEta
Entries 59453
Mean -0.02524
RMS 1.864
No. of events
10^3
10^2
10
1
-6
-4
-2
0
2
4
6
η

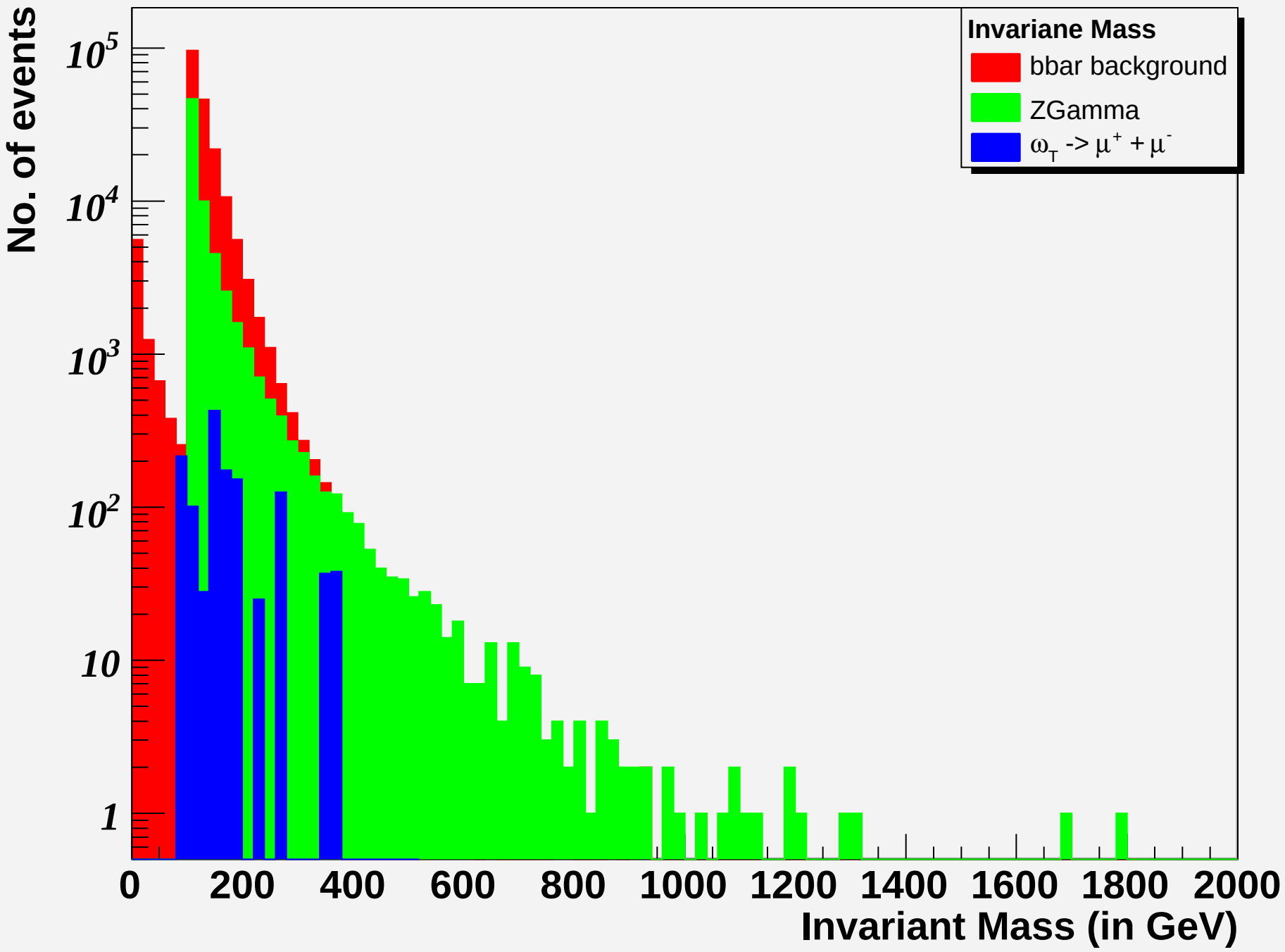

Generated P_T distribution of γ
h1GammaPt
Entries 59453
Mean 105.3
RMS 64.53
No. of events
10^3
10^2
10
1
0
100
200
300
400
500
P_T (in GeV)


Generated P_T distribution of γ > 15 GeV
No. of events
10^3
10^2
10
1
0
100
200
300
400
500
P_T (in GeV)

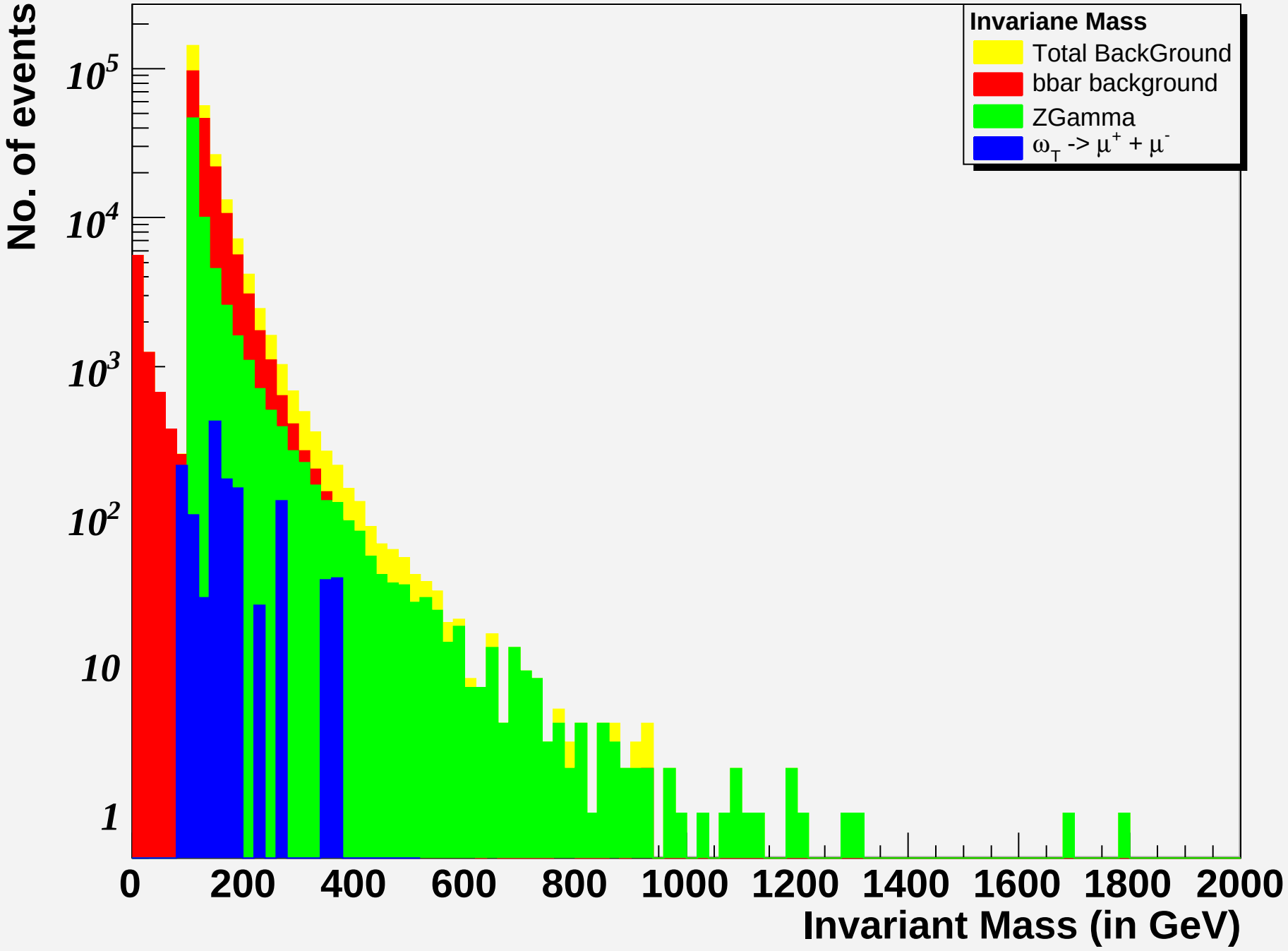

Generated η distribution of γ
h1GammaEta
Entries 59453
Mean 0.06515
RMS 1.901
No. of events
10^3
10^2
10
1
-6
-4
-2
0
2
4
6
η


Gen. 3-body (μ+, μ- and γ) Invariant Mass
h1InvMass3
Entries 58127
Mean 425.7
RMS 141.8
No. of events
10^4
10^3
10^2
10
0 200 400 600 800 1000 1200 1400 1600
Invariant Mass (in GeV)
Gen. 2-body (μ+ and μ-) Invariant Mass
h1InvMass2
Entries 1326
Mean 168.7
RMS 67.71
No. of events
10^2
0 100 200 300 400 500
Invariant Mass (in GeV)

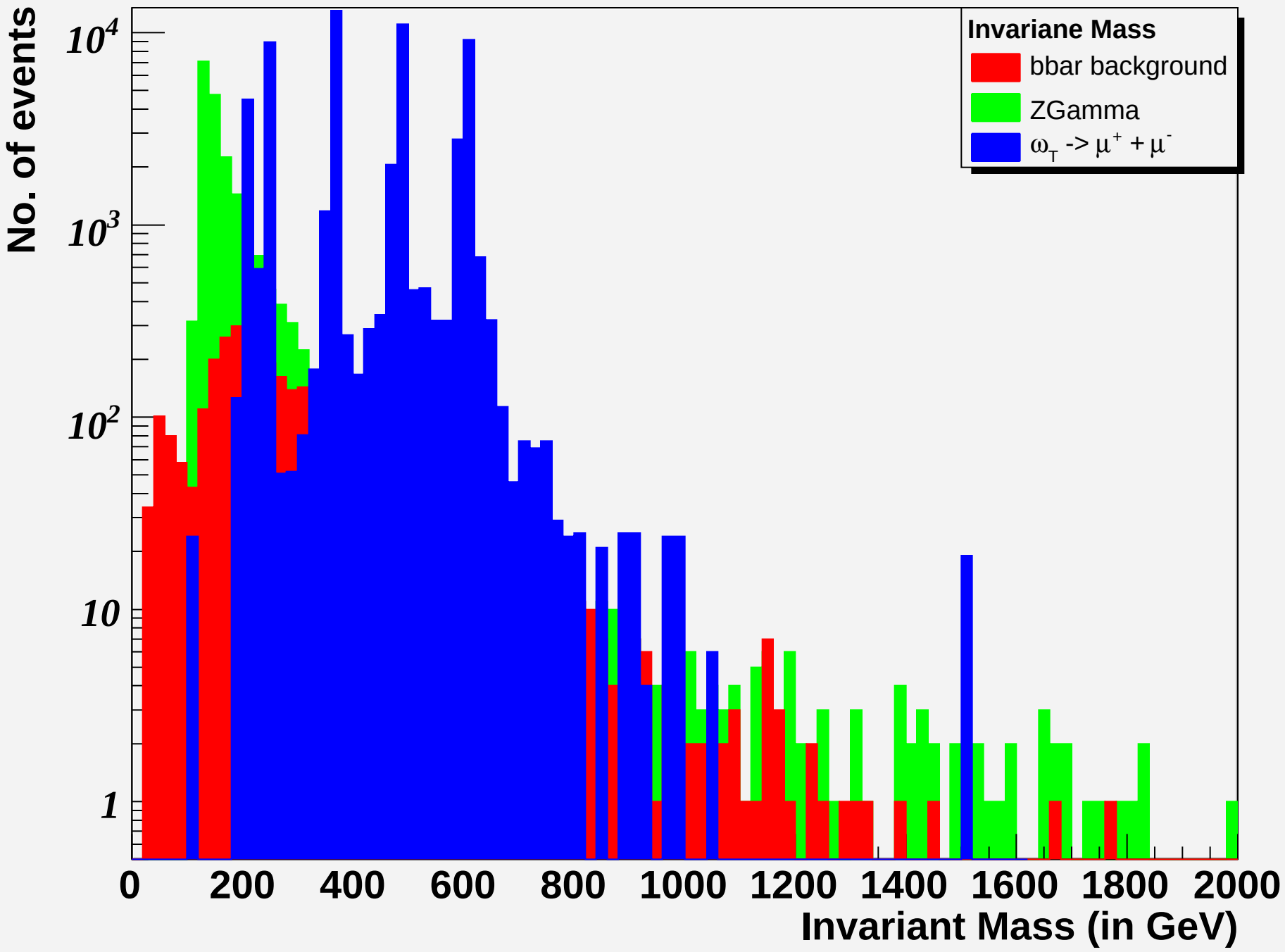
Gen. 2-body (μ^+, μ^-) Invariant Mass



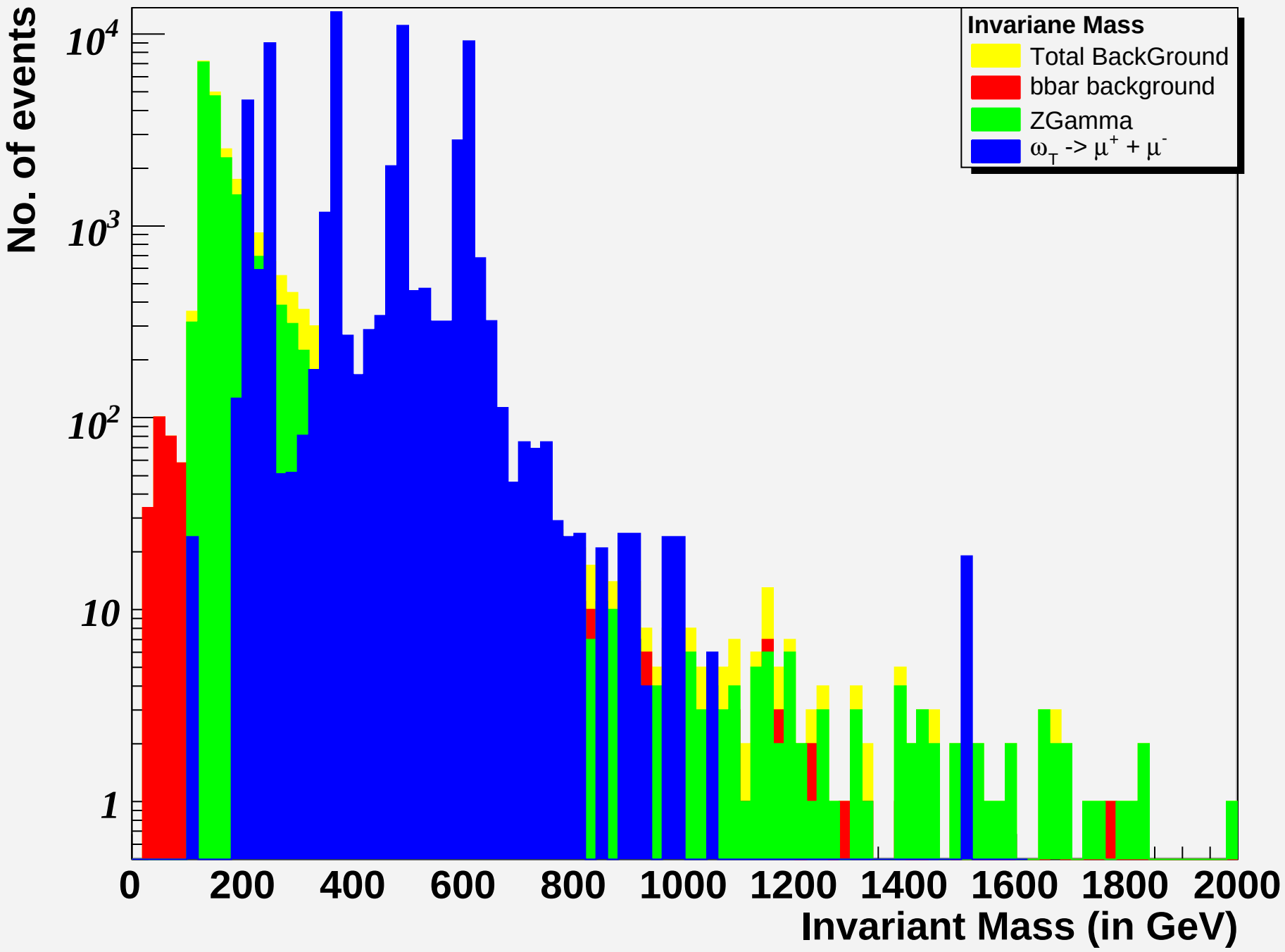
Gen. 2-body (μ^+, μ^-) Invariant Mass

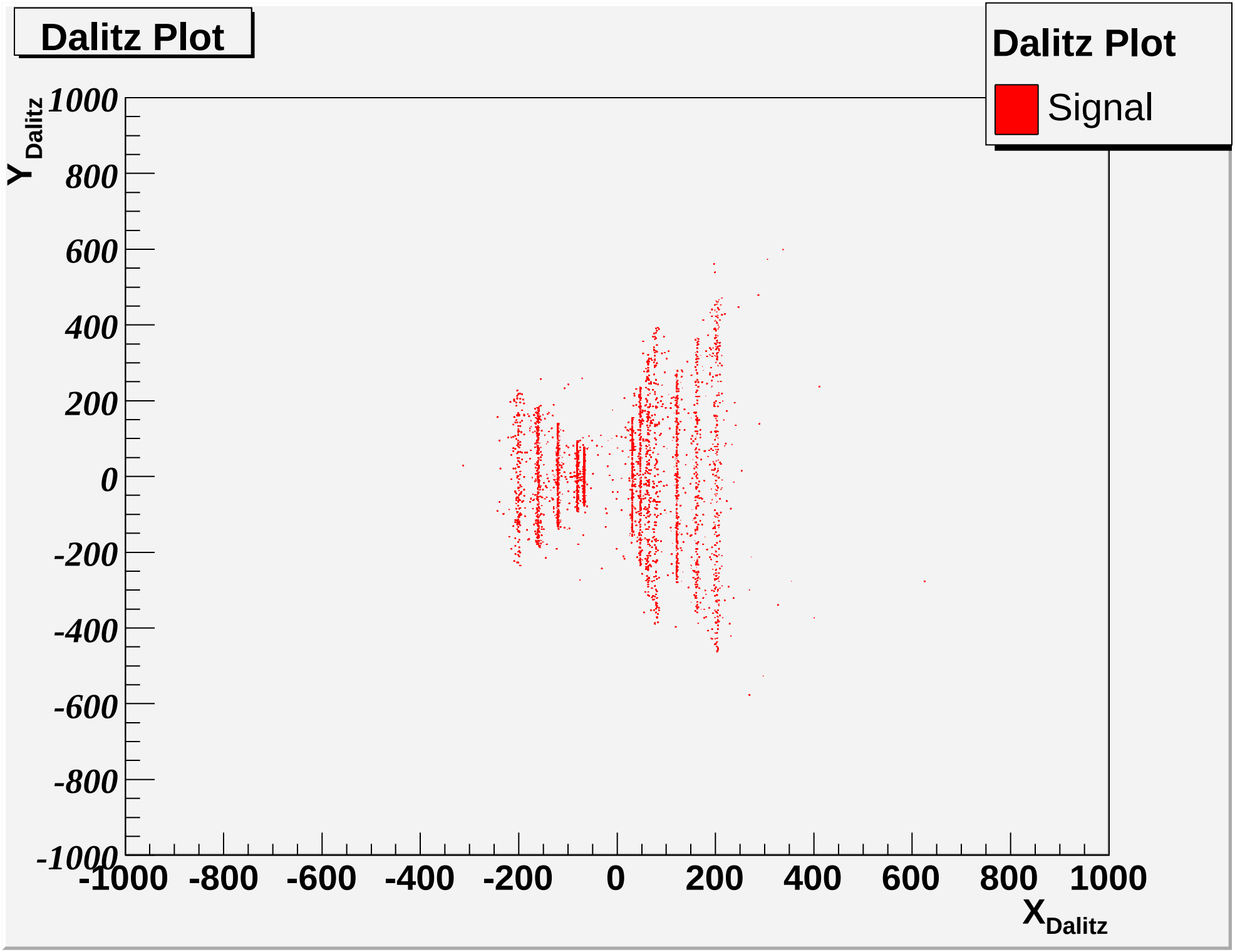


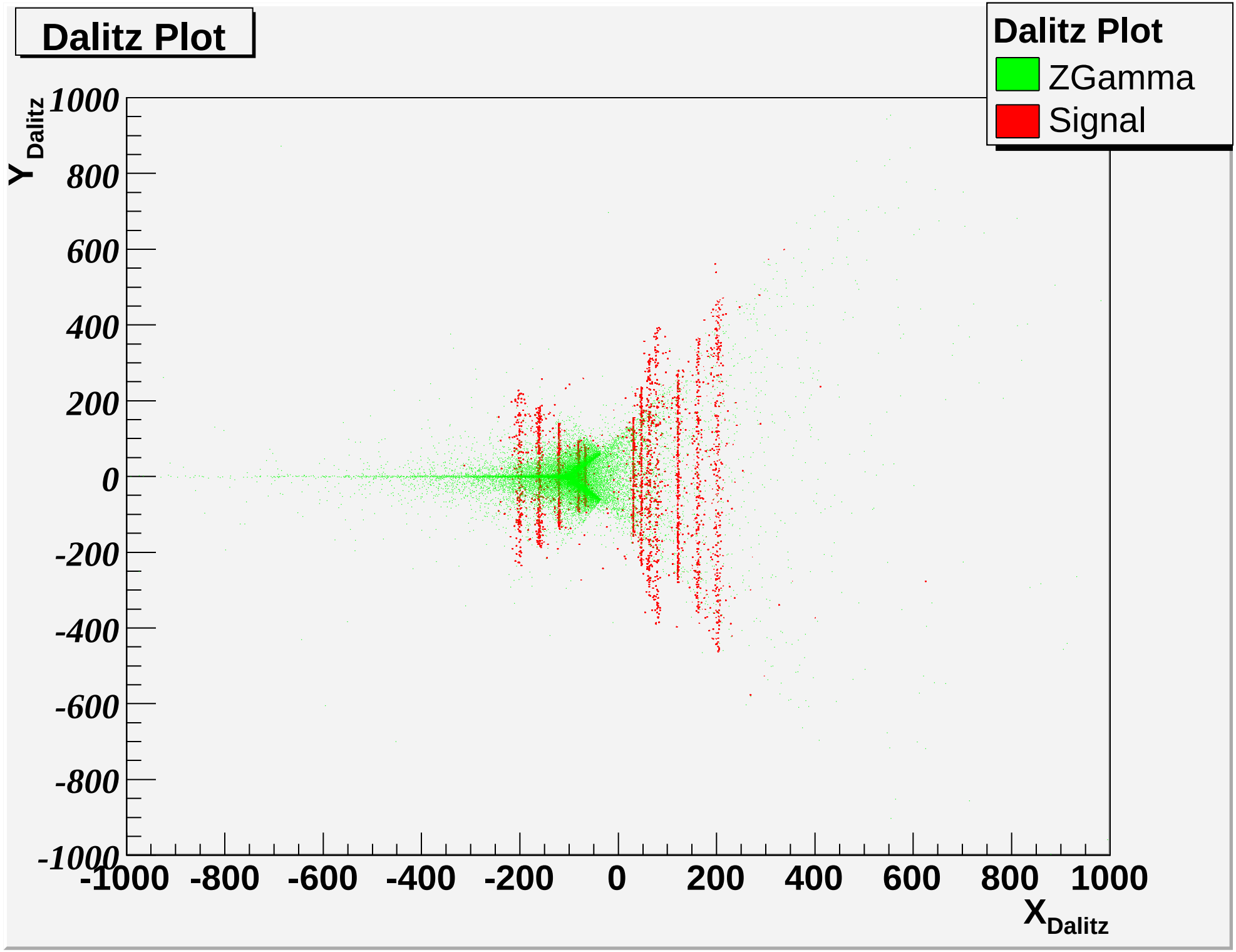
Gen. 3-body (μ^+, μ^- and γ) Invariant Mass

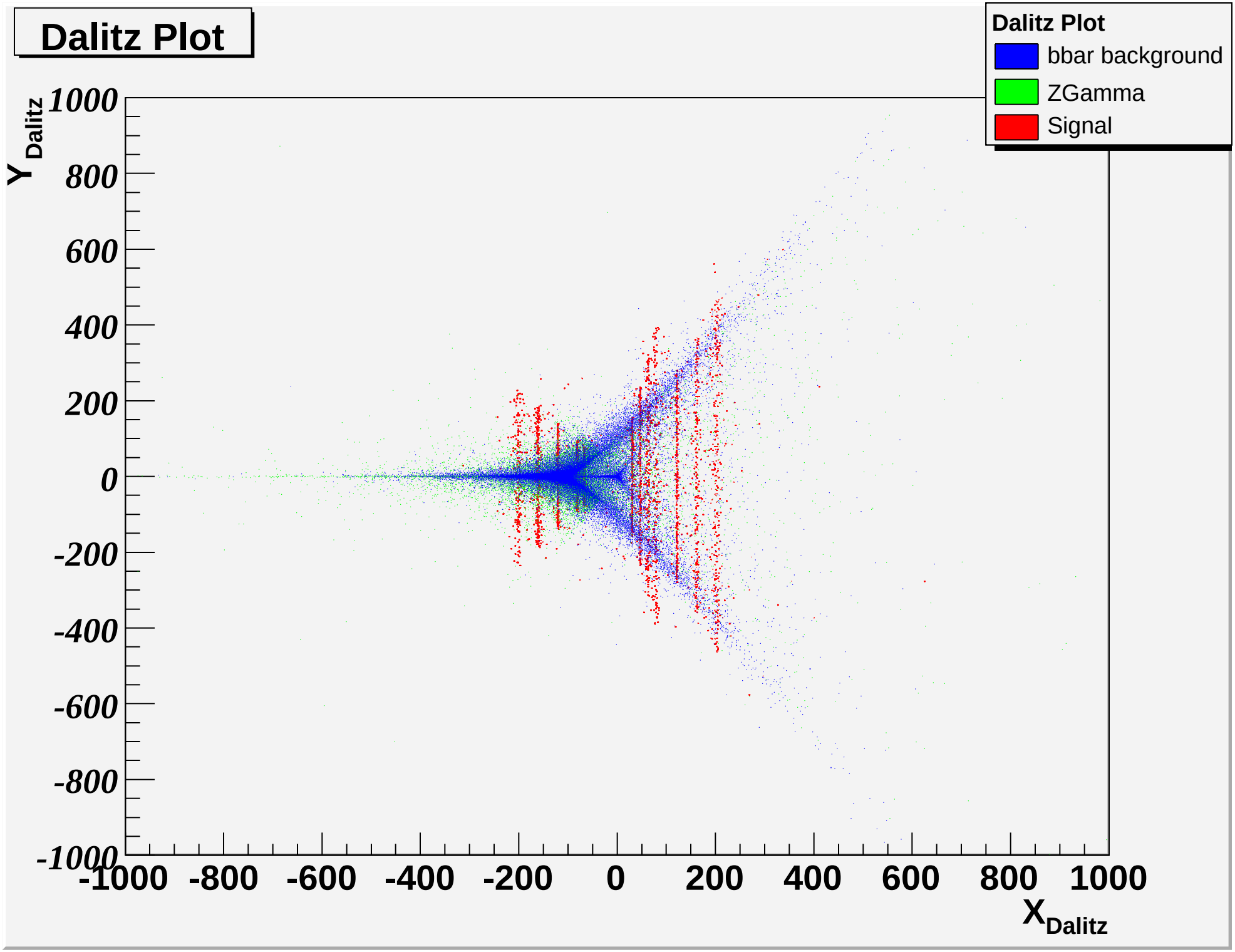


Gen. 3-body (μ^+, μ^- and γ) Invariant Mass




Dalitz Plot
Dalitz Plot
Signal
Y Dalitz
1000
800
600
400
200
0
-200
-400
-600
-800
-1000
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
X Dalitz


Dalitz Plot
Dalitz Plot
ZGamma
Signal
Y Dalitz
1000
800
600
400
200
0
-200
-400
-600
-800
-1000
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
X Dalitz


Dalitz Plot
Dalitz Plot
bbar background
ZGamma
Signal
Y Dalitz
1000
800
600
400
200
0
-200
-400
-600
-800
-1000
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
X Dalitz