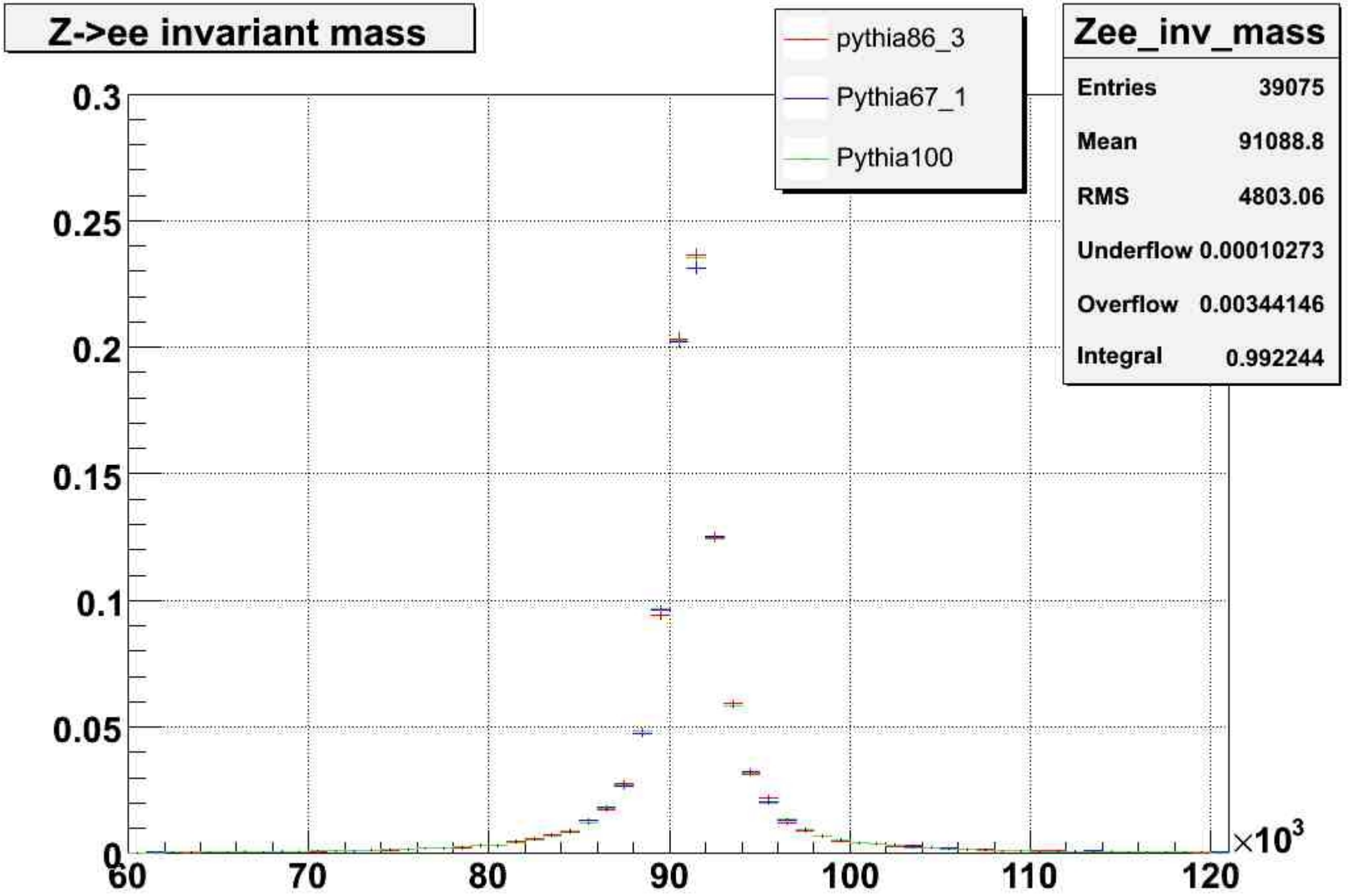
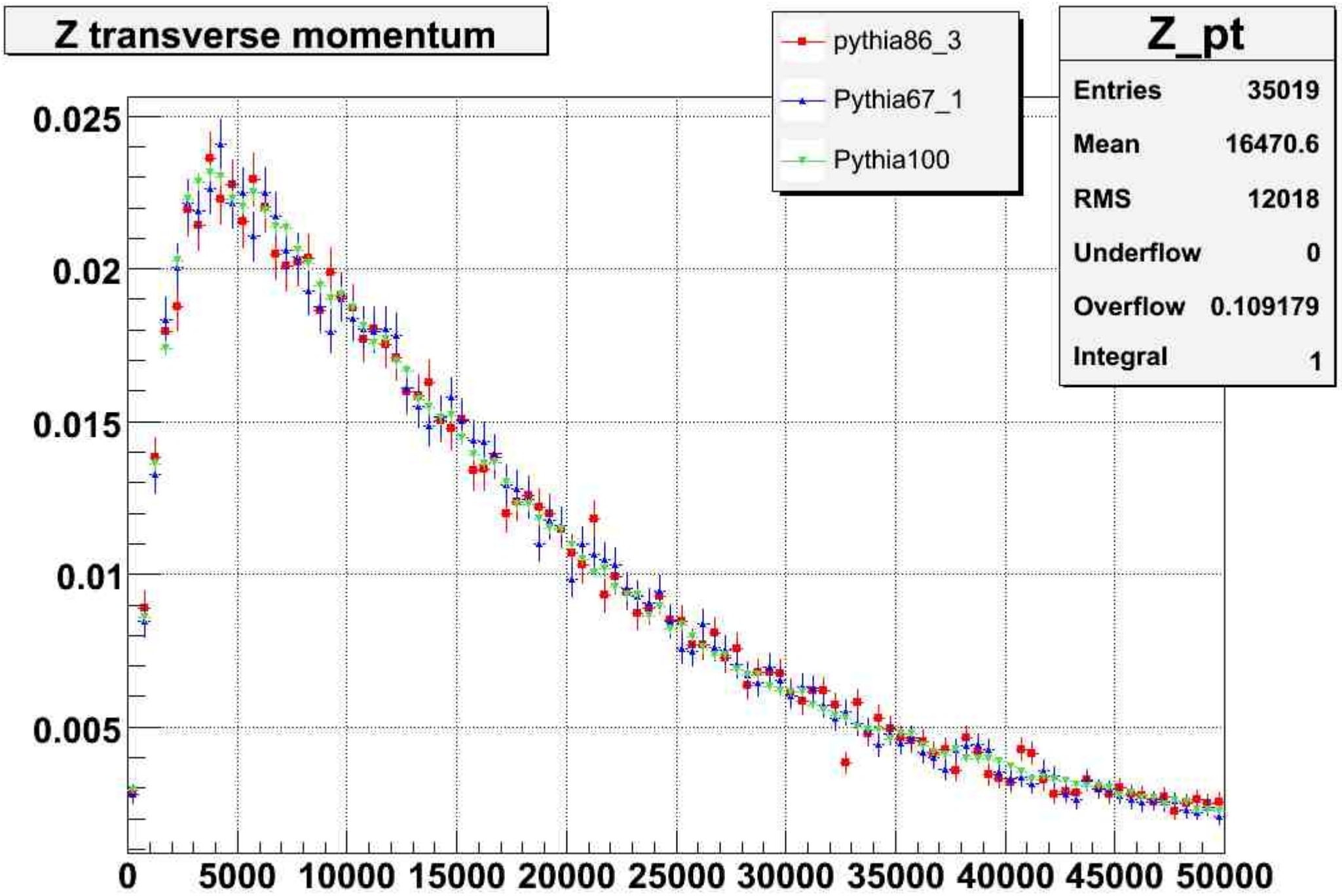
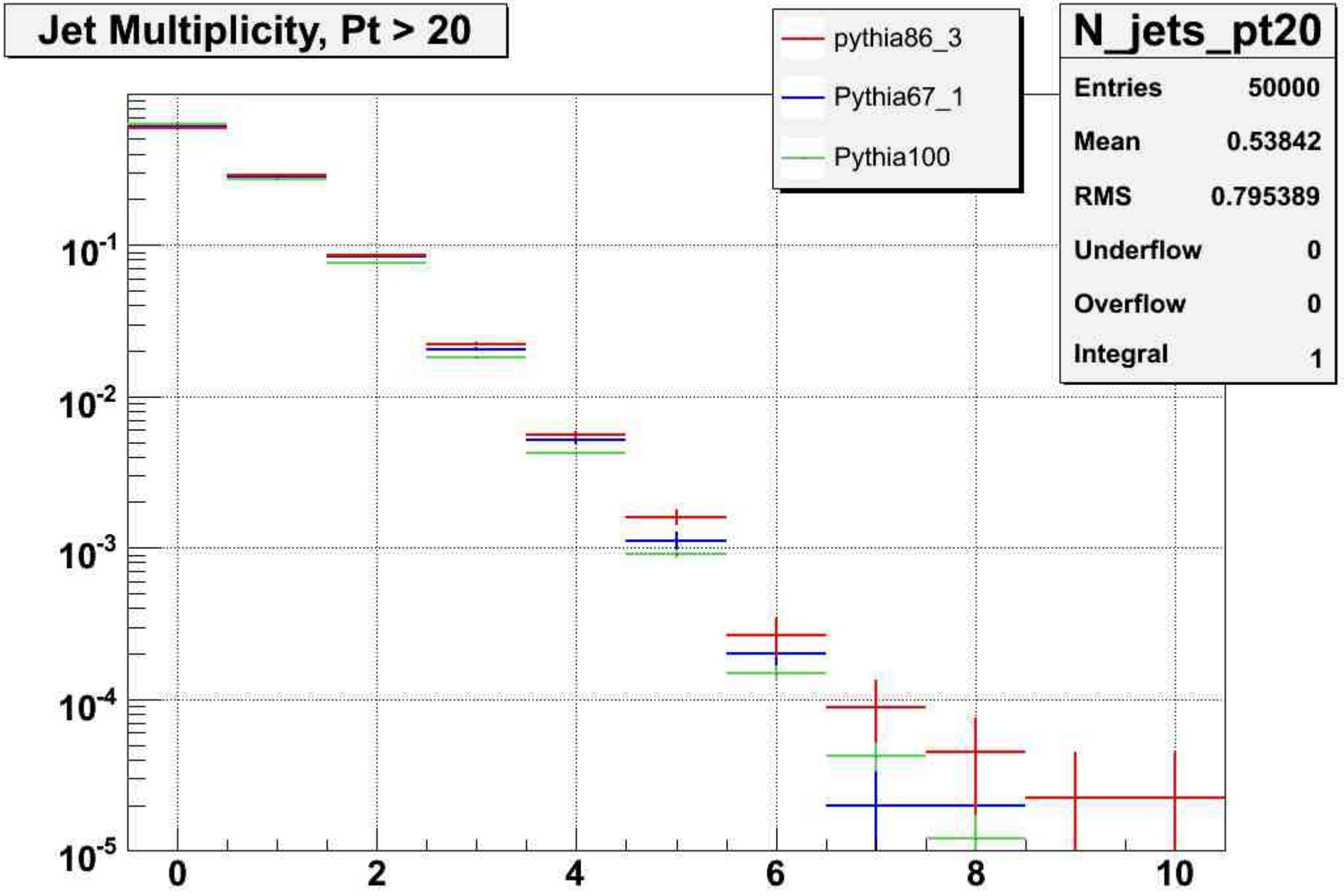
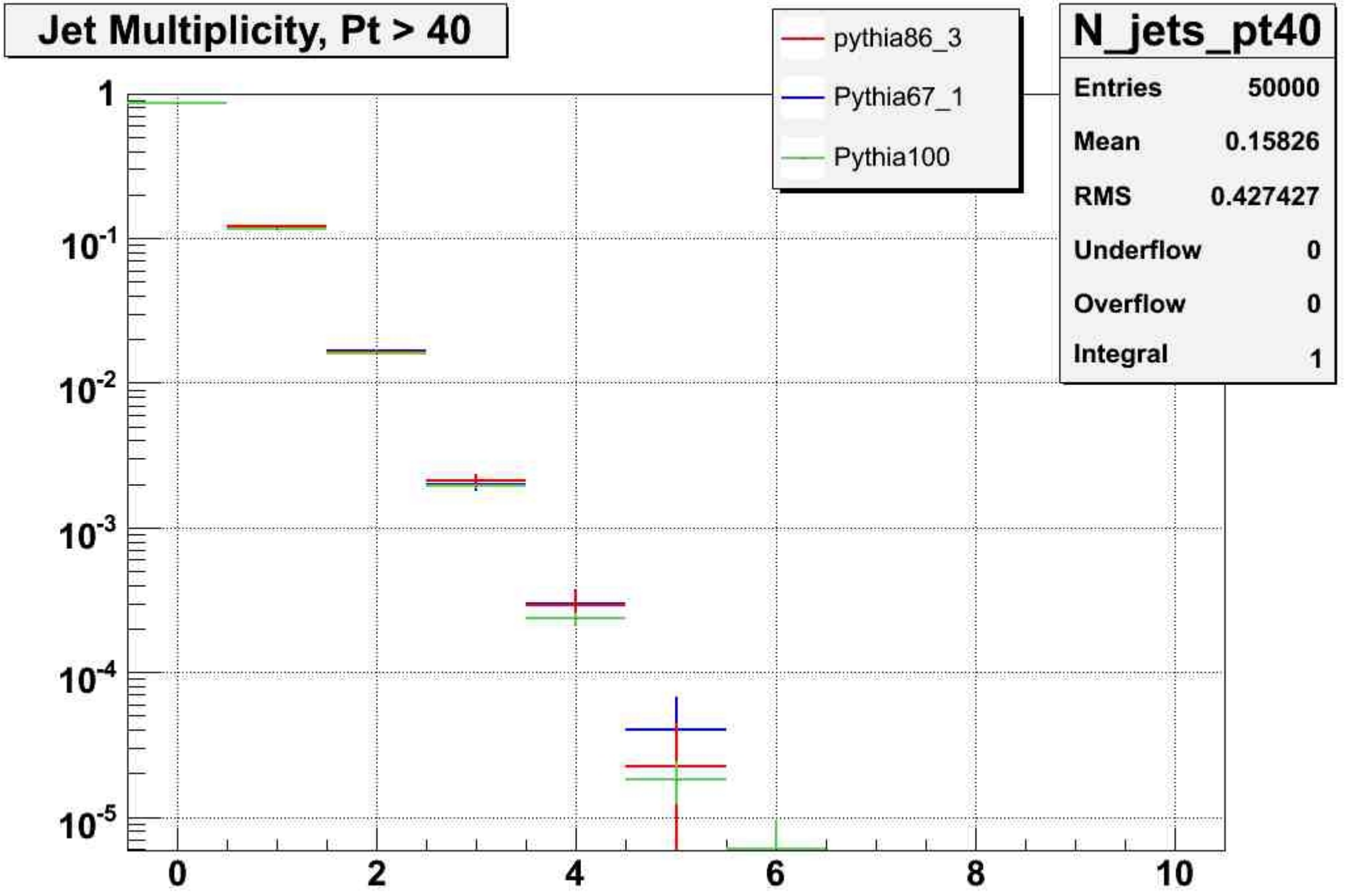
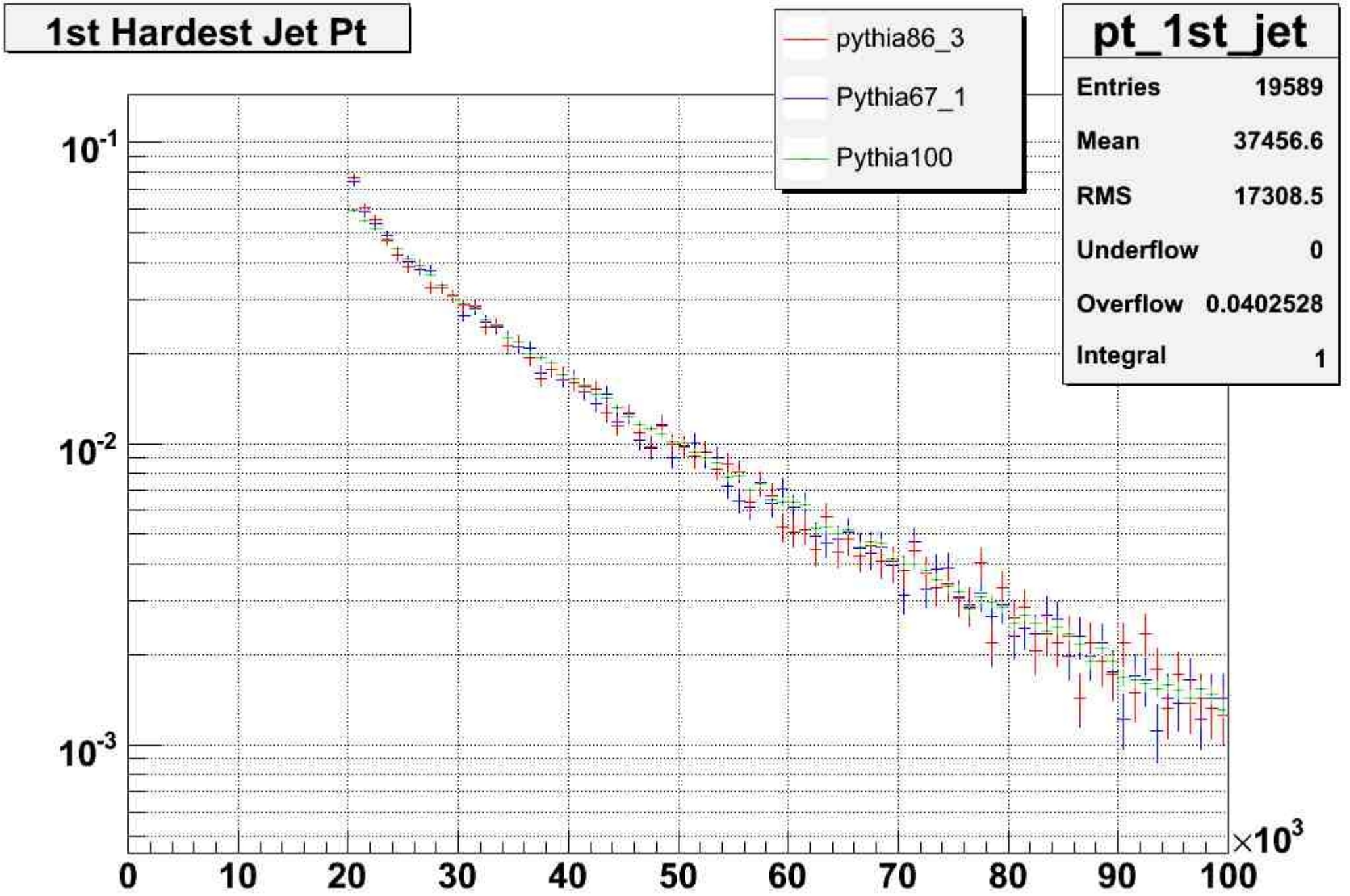
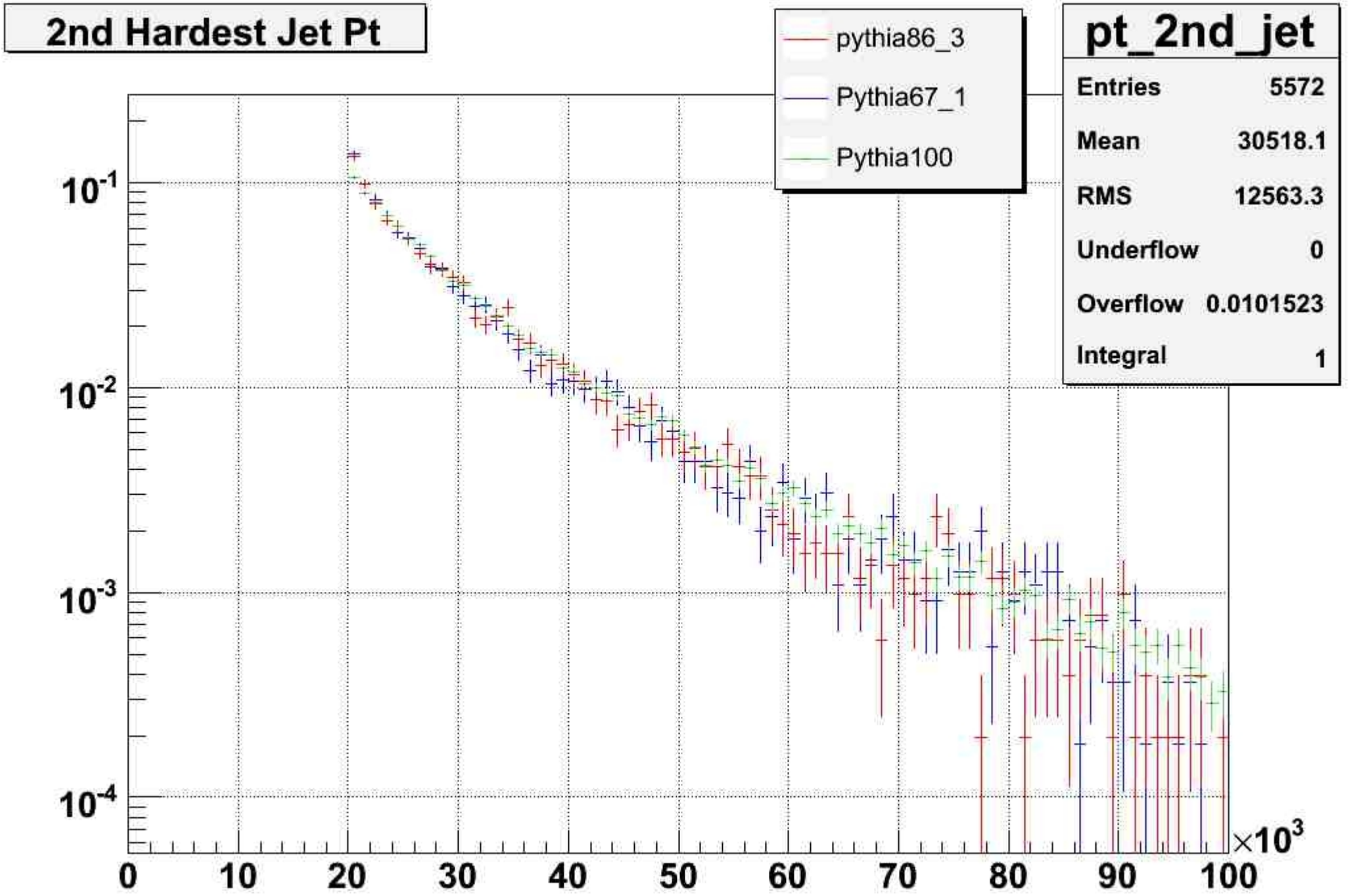

Z->ee invariant mass
pythia86_3
Pythia67_1
Pythia100
Zee_inv_mass
Entries 39075
Mean 91088.8
RMS 4803.06
Underflow 0.00010273
Overflow 0.00344146
Integral 0.992244
0.3
0.25
0.2
0.15
0.1
0.05
0
60
70
80
90
100
110
120
×10^3

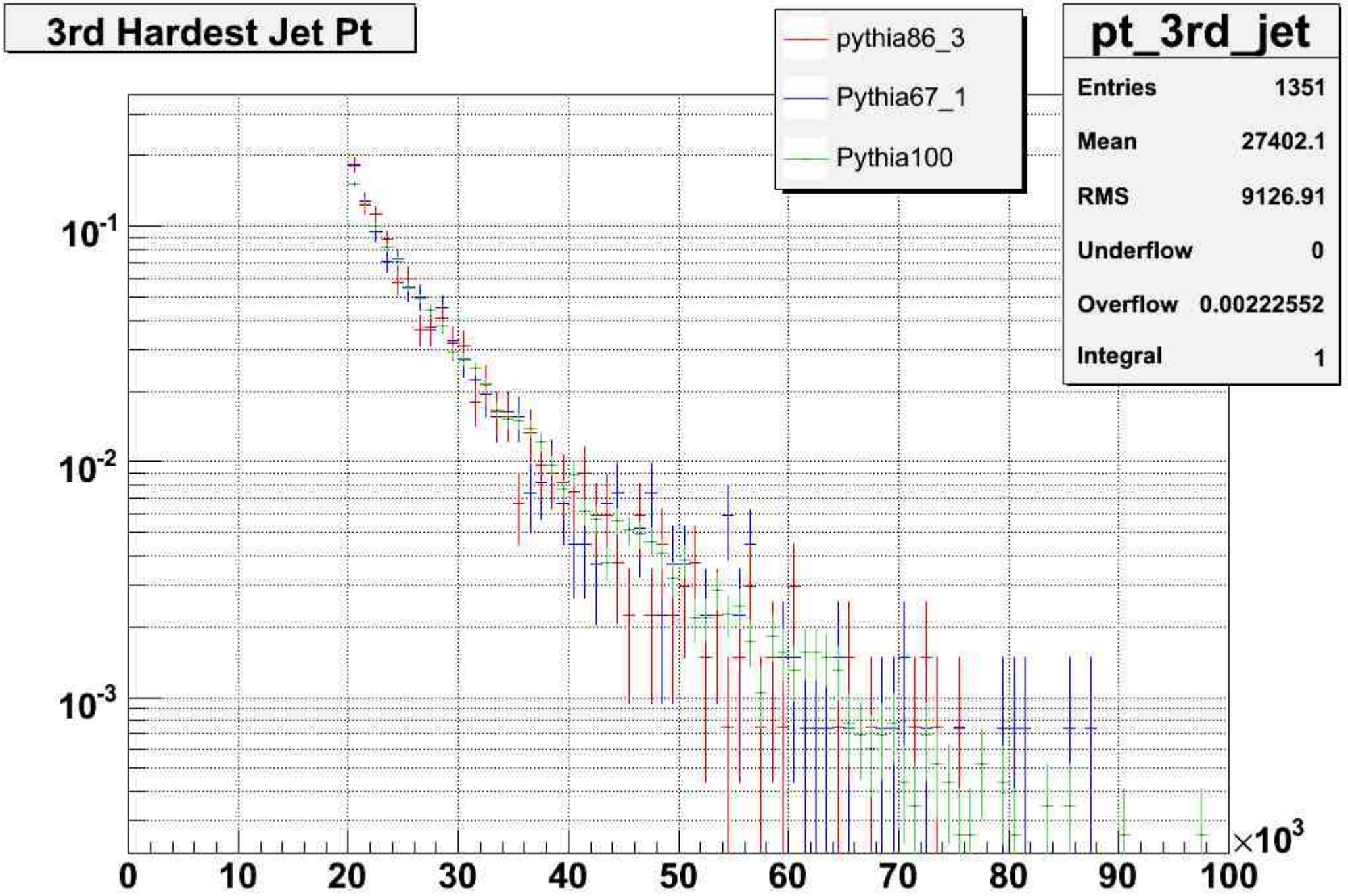

Z transverse momentum
pythia86_3
Pythia67_1
Pythia100
Z_pt
Entries 35019
Mean 16470.6
RMS 12018
Underflow 0
Overflow 0.109179
Integral 1
0.025
0.02
0.015
0.01
0.005
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
50000

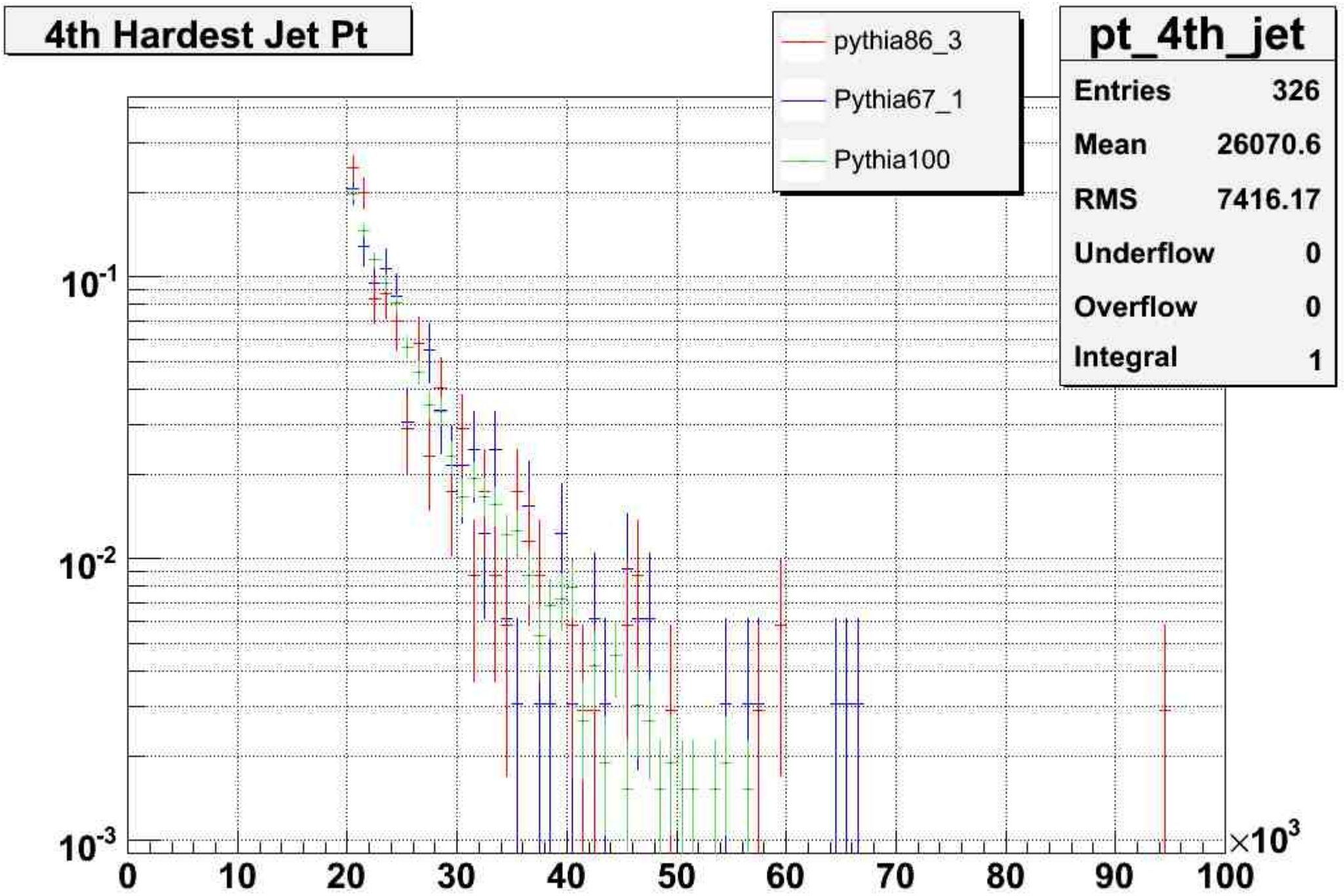

Jet Multiplicity, Pt > 20
pythia86_3
Pythia67_1
Pythia100
N_jets_pt20
Entries 50000
Mean 0.53842
RMS 0.795389
Underflow 0
Overflow 0
Integral 1
10^-1
10^-2
10^-3
10^-4
10^-5
0
2
4
6
8
10

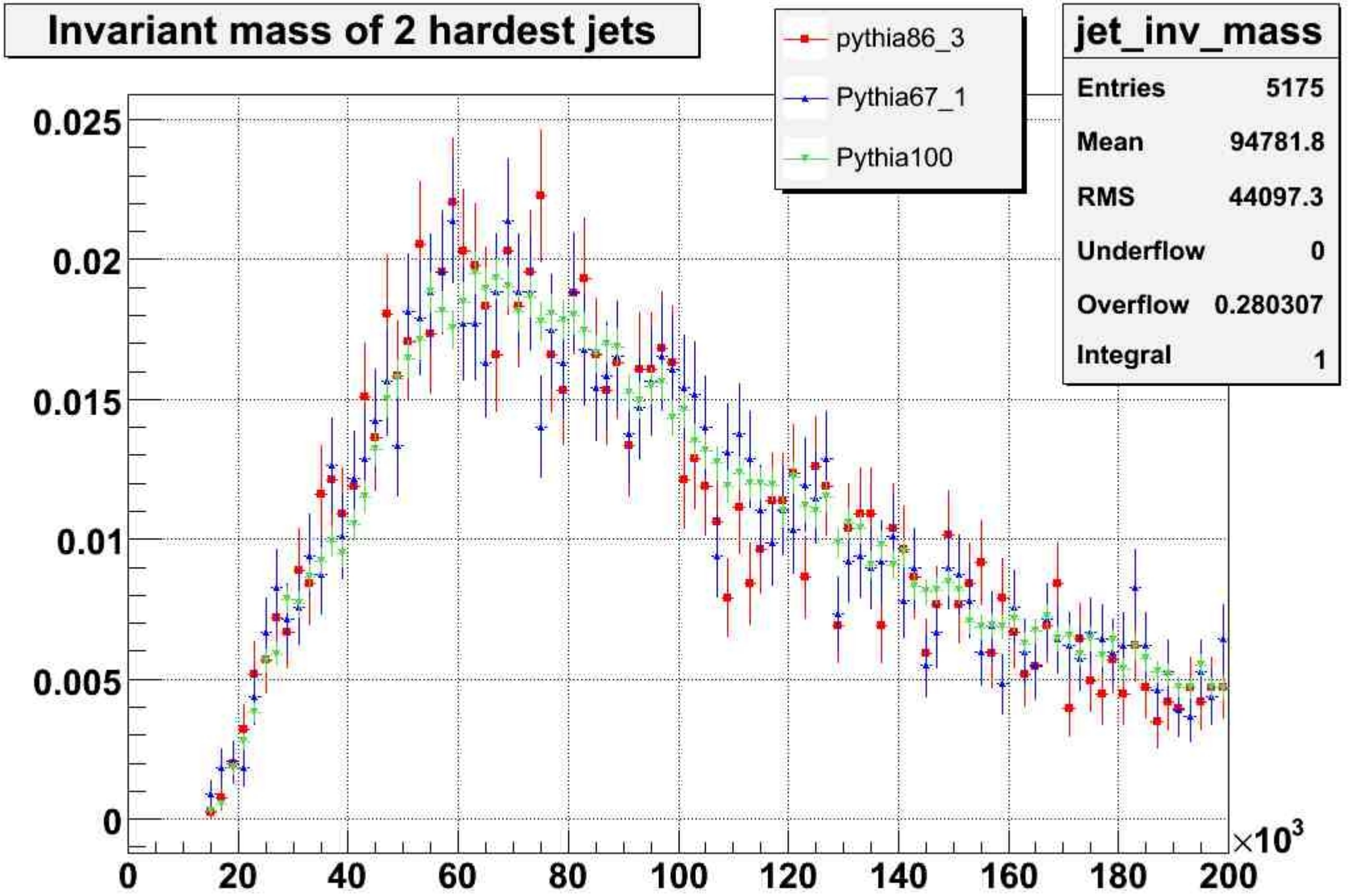

Jet Multiplicity, Pt > 40
pythia86_3
Pythia67_1
Pythia100
N_jets_pt40
Entries 50000
Mean 0.15826
RMS 0.427427
Underflow 0
Overflow 0
Integral 1
1
10-1
10-2
10-3
10-4
10-5
0
2
4
6
8
10

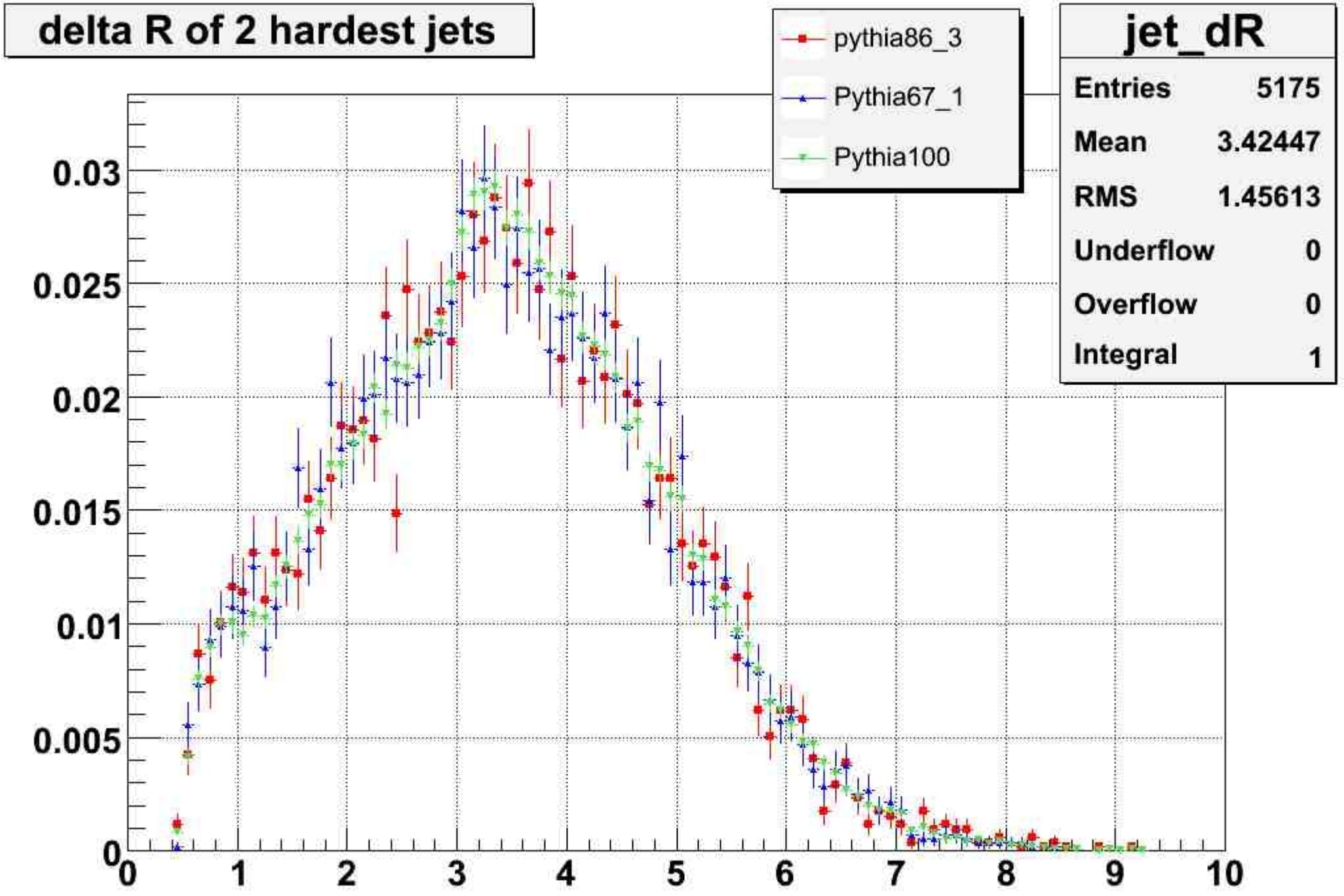

1st Hardest Jet Pt
pythia86_3
Pythia67_1
Pythia100
pt_1st_jet
Entries 19589
Mean 37456.6
RMS 17308.5
Underflow 0
Overflow 0.0402528
Integral 1
10^-1
10^-2
10^-3
0
10
20
30
40
50
60
70
80
90
100
×10^3


2nd Hardest Jet Pt
pythia86_3
Pythia67_1
Pythia100
pt_2nd_jet
Entries 5572
Mean 30518.1
RMS 12563.3
Underflow 0
Overflow 0.0101523
Integral 1
10^-1
10^-2
10^-3
10^-4
0
10
20
30
40
50
60
70
80
90
100
×10^3


3rd Hardest Jet Pt
pythia86_3
Pythia67_1
Pythia100
pt_3rd_jet
Entries 1351
Mean 27402.1
RMS 9126.91
Underflow 0
Overflow 0.00222552
Integral 1
10^{-1}
10^{-2}
10^{-3}
0 10 20 30 40 50 60 70 80 90 100
$\times 10^3$


4th Hardest Jet Pt
pythia86_3
Pythia67_1
Pythia100
pt_4th_jet
Entries 326
Mean 26070.6
RMS 7416.17
Underflow 0
Overflow 0
Integral 1
10^-1
10^-2
10^-3
0
10
20
30
40
50
60
70
80
90
100
×10^3


Invariant mass of 2 hardest jets
pythia86_3
Pythia67_1
Pythia100
jet_inv_mass
Entries 5175
Mean 94781.8
RMS 44097.3
Underflow 0
Overflow 0.280307
Integral 1
0.025
0.02
0.015
0.01
0.005
0
0 20 40 60 80 100 120 140 160 180 200
×10^3


delta R of 2 hardest jets
pythia86_3
Pythia67_1
Pythia100
jet_dR
Entries 5175
Mean 3.42447
RMS 1.45613
Underflow 0
Overflow 0
Integral 1
0.03
0.025
0.02
0.015
0.01
0.005
0
0 1 2 3 4 5 6 7 8 9 10