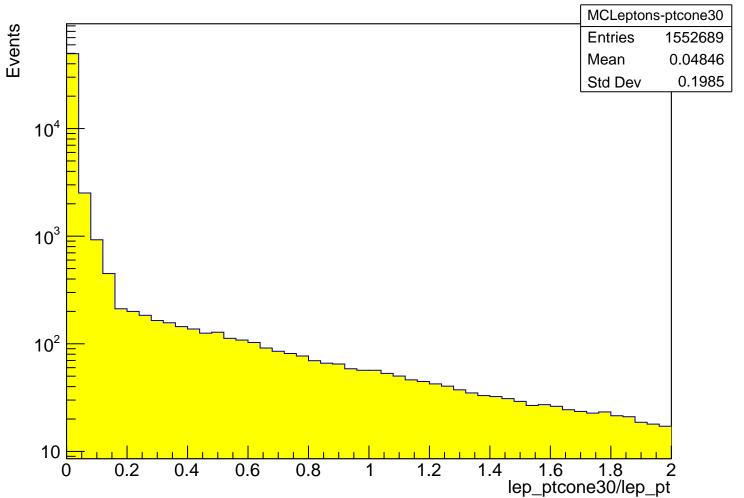
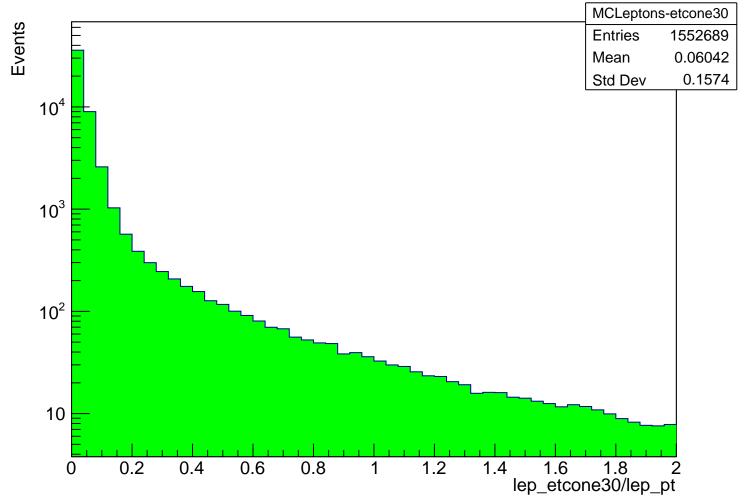
MC Leptons pT MCLeptons-pt Events **Entries** 1552689 10⁴ Mean 55.11 Std Dev 35.73 10³ 10^2 10 1 10^{-1} 10^{-2} 200 500 700 800 900 1000 100 300 400 600 pT(GeV)

MC Track Isolation



MC Calorimeter Isolation



MC Leptons eta MCLeptons-eta Events **Entries** 1552689 0.003121 Mean Std Dev 1.122 10³ 10² eta

MC Jets pT MCjets_pt Events **Entries** 2929555 Mean 70.59 10⁴ Std Dev 50.87 10³ 10^2 10 10^{-1} 900 1000 pT(GeV) 200 300 500 600 700 100 400 800

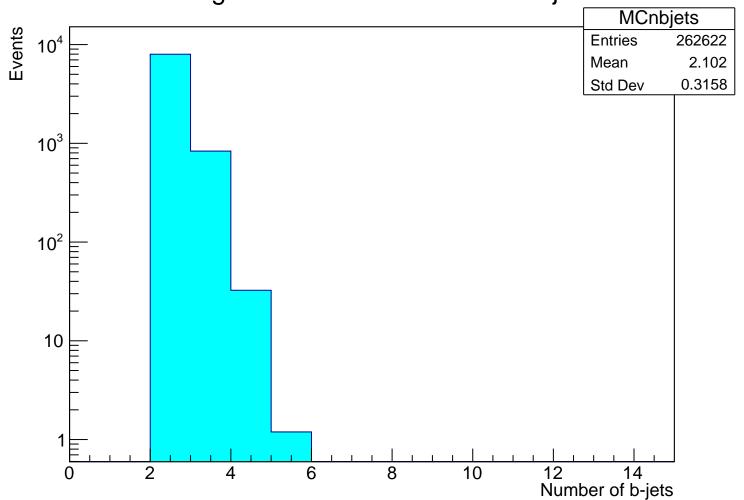
MC Jets eta MCjets_eta 10⁴ Events **Entries** 2929555 Mean 0.003189 Std Dev 1.157 10³ eta

MC Jets JVF MCjets_jvf Events **Entries** 2929555 Mean 0.8855 Std Dev 0.1338 10⁴ 10³ 10^2 -0.8 -0.6-0.20.2 0.4 0.6 8.0 -0.41 JVF

Histogram of the number of MC jets **MCnjets** Events **Entries** 628928 10⁴ Mean 4.662 Std Dev 0.9199 10³ 10² 10 12 14 Number of jets 10

MC Jets MV1 MCjets_mv1 Events **Entries** 2929555 Mean 0.3532 Std Dev 0.4052 10⁴ 10³ 10² 0.1 0.2 0.3 0.4 0.5 0.6 0.7 8.0 0.9 MV1

Histogram of the number of MC b-jets



MC Missing Transverse Energy MET **MCmet** Events **Entries** 216808 Mean 75.92 500 Std Dev 38.33 400 300 200 100 0, 50 200 250 100 150 MET (GeV)

MC Transverse mass of W boson **MCmtw** 500 Events **Entries** 180973 Mean 77.81 Std Dev 28.89 400 300 200 100 0, 50 150 200 250 100 mTW (GeV)

