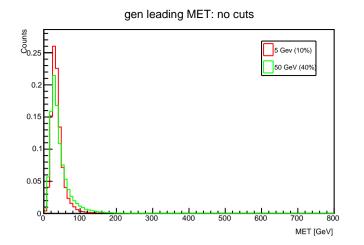
ctau 100mm

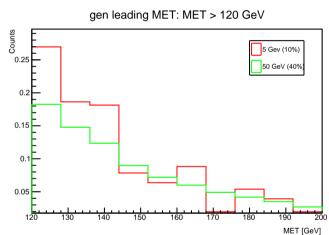
 $Gen\ 5\ Gev\ (10\%):\ 33019 (c1:24839 (75.23\% [75.23\%]), c2:230 (0.70\% [0.93\%]), c3:138 (0.42\% [60.00\%]), c4:60 (0.18\% [43.48\%]))$

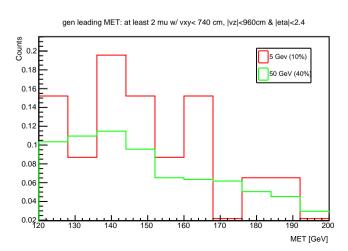
Reco 5 Gev (10%): 33019(c1:18778(56.87%[56.87%]),c2:185(0.56%[0.99%]),c3:114(0.35%[61.62%]),c4:25(0.08%[21.93%]))

 $Gen\ 50\ GeV\ (40\%): 120683 (c1:95841 (79.42\%[79.42\%]), c2:3680 (3.05\%[3.84\%]), c3:2610 (2.16\%[70.92\%]), c4:1150 (0.95\%[44.06\%]))$

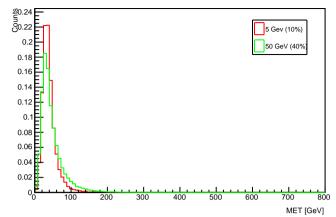
 $Reco \ 50 \ GeV \ (40\%): 120683 (c1:77197 (63.97\% [63.97\%]), c2:3149 (2.61\% [4.08\%]), c3:2277 (1.89\% [72.31\%]), c4:816 (0.68\% [35.84\%]))$



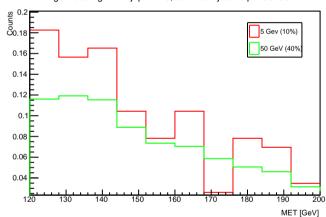


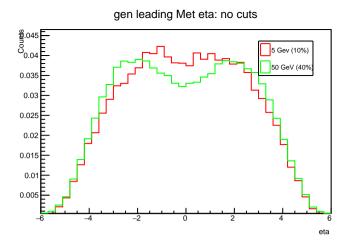


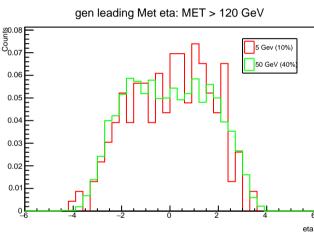


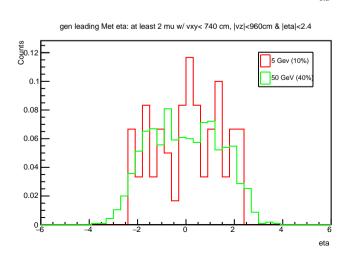


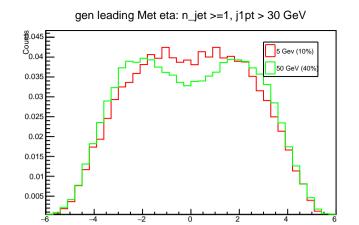
gen leading MET: j1pt >120, at most 2 jets w/ pt >30 GeV



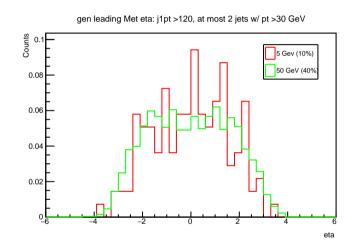


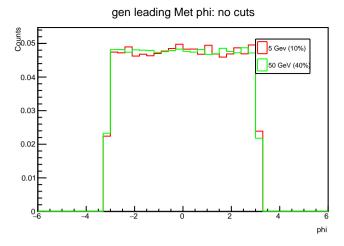


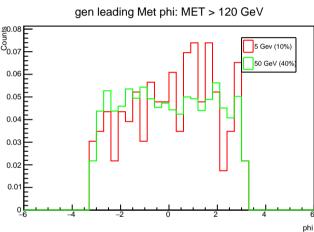


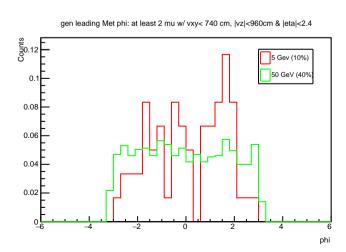


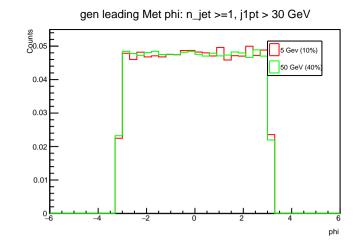
eta

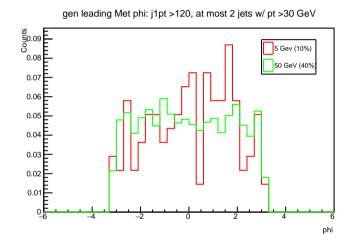


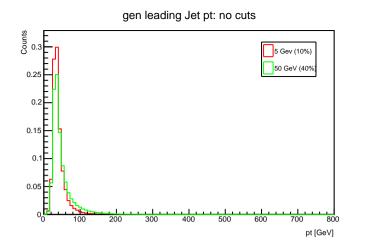


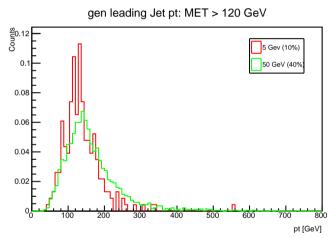


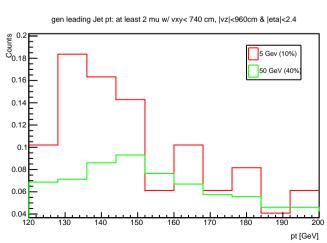


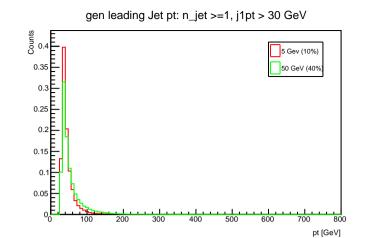


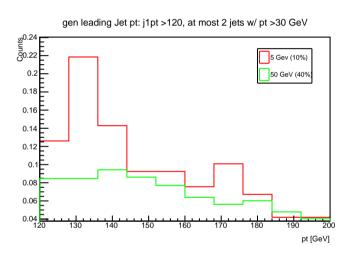


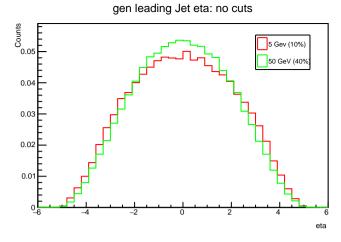


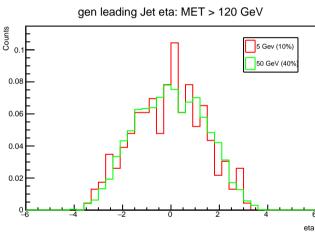


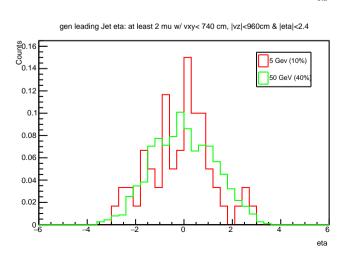


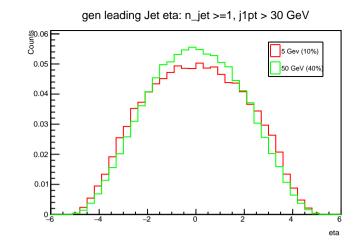


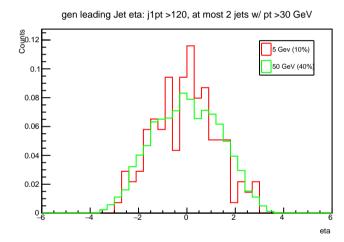


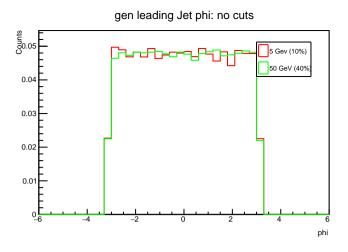


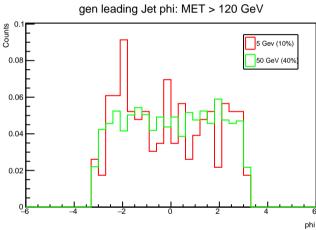


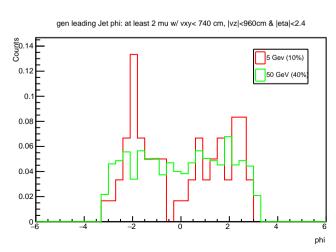


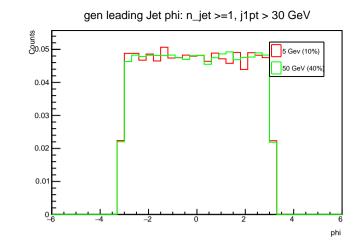


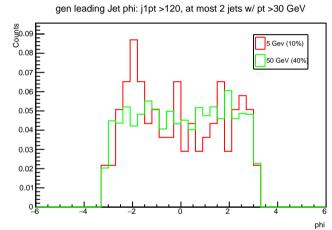


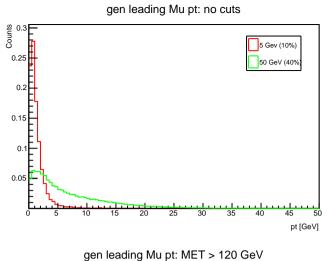


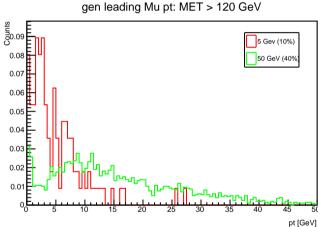


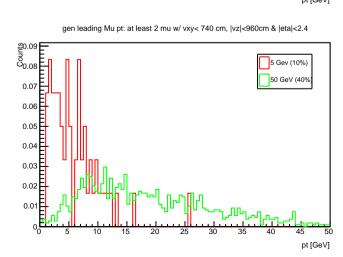


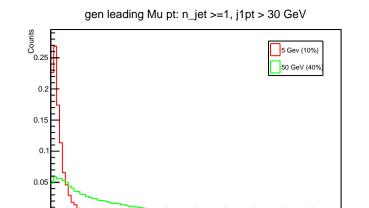




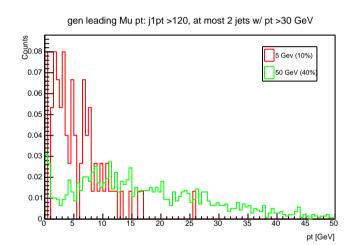


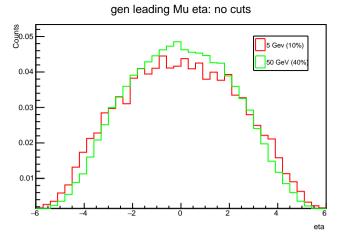


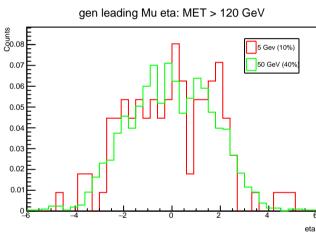


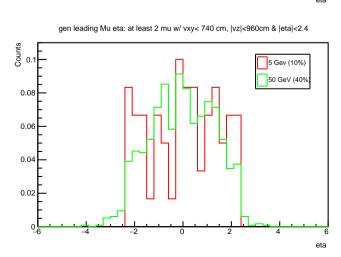


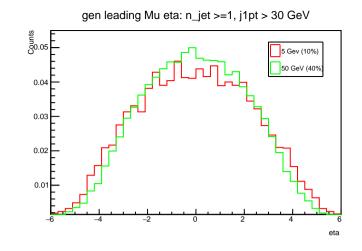
pt [GeV]

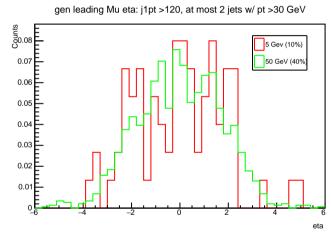


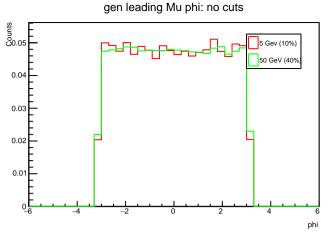


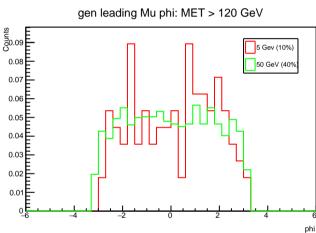


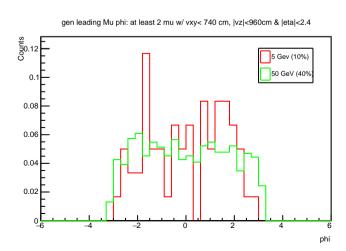


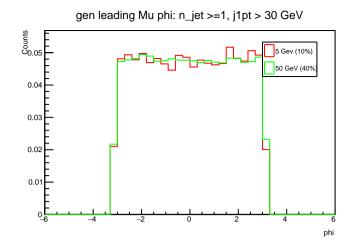


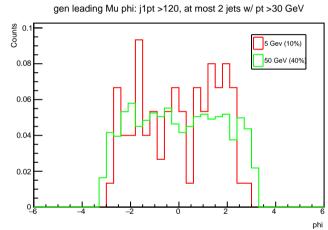


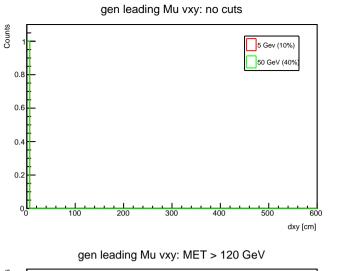


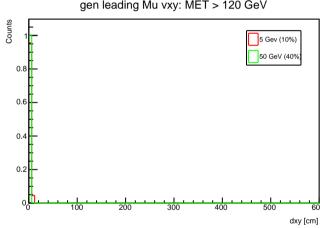


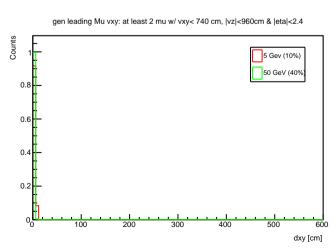


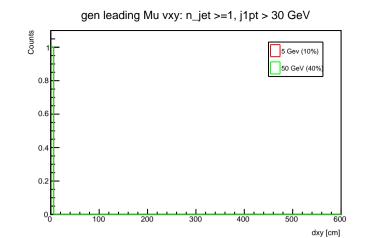


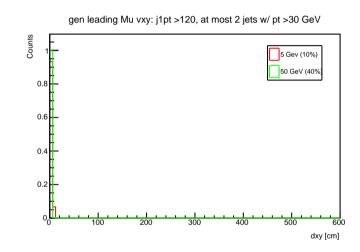


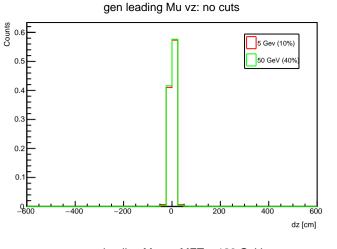


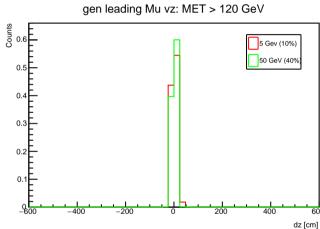


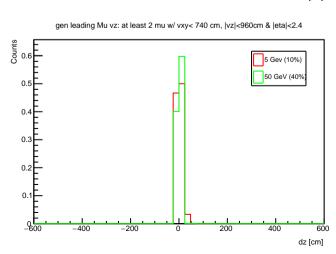


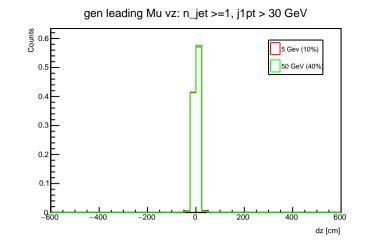


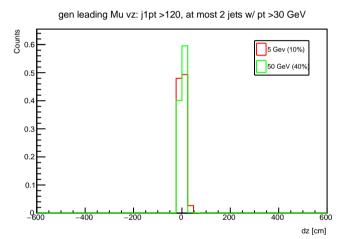


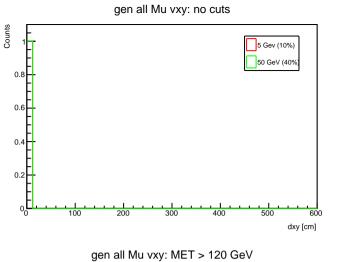


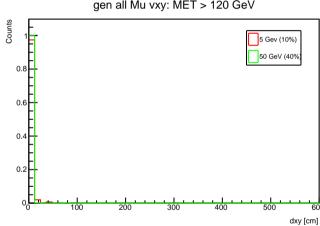


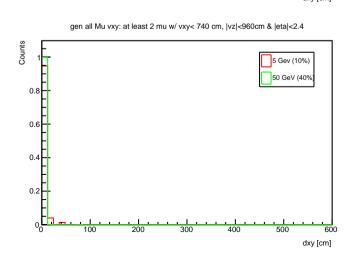


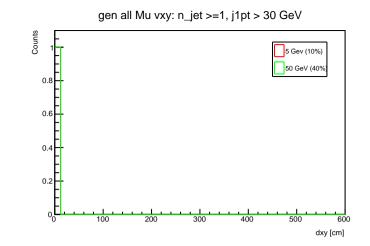


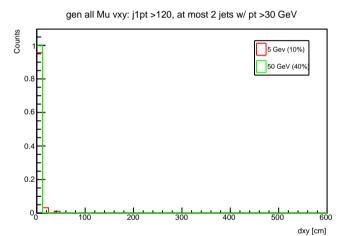


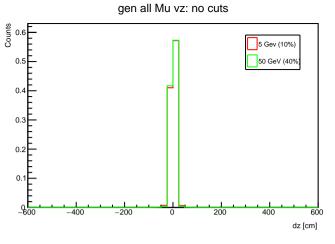


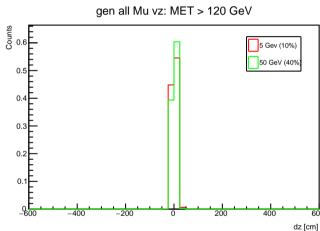


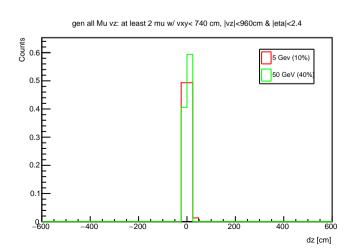


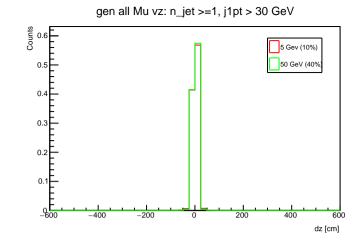


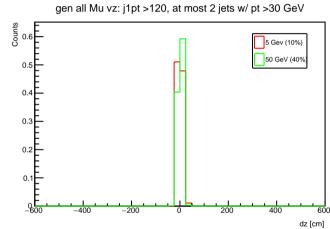


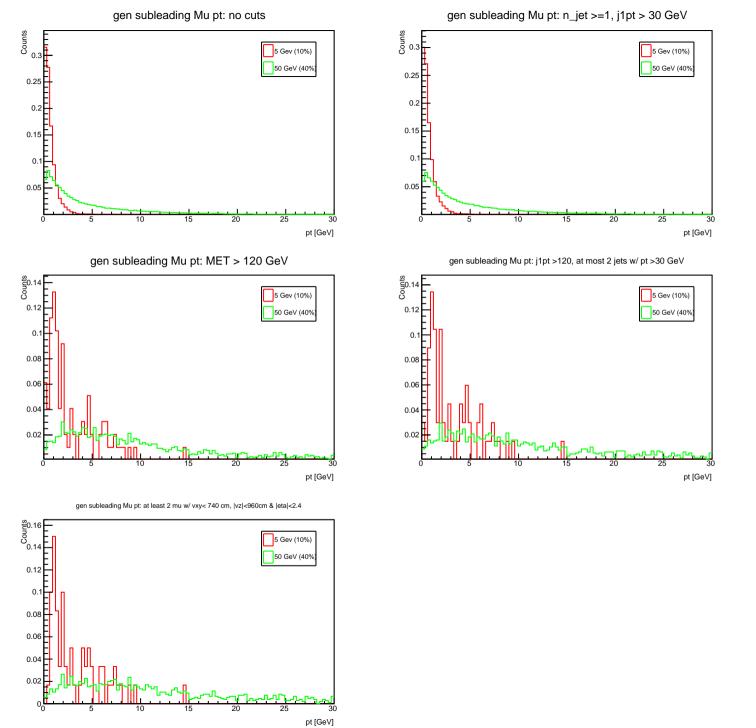


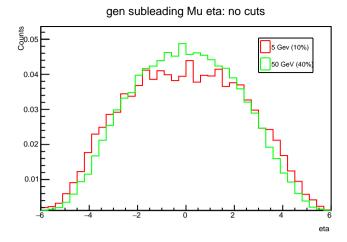


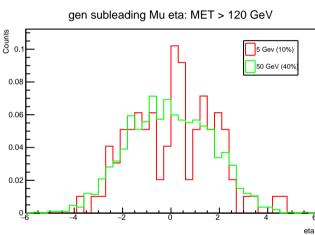


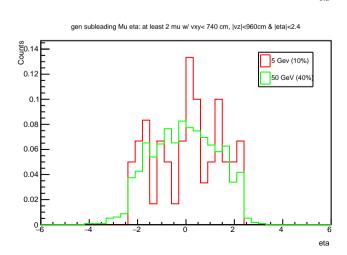


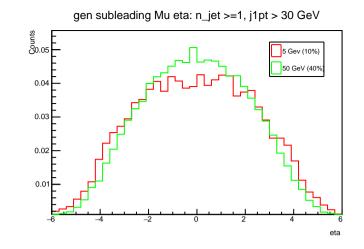


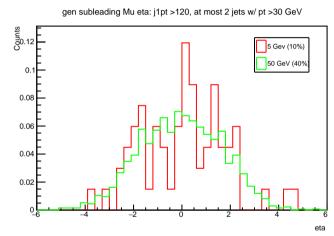


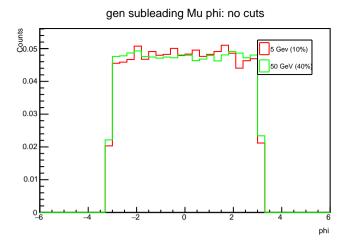


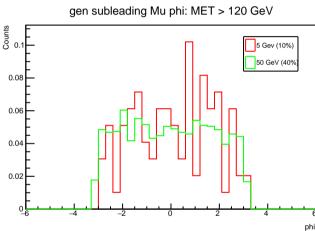


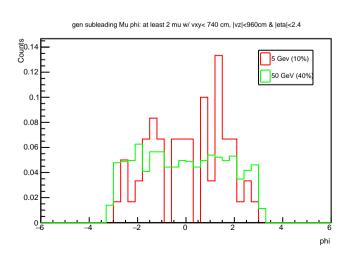


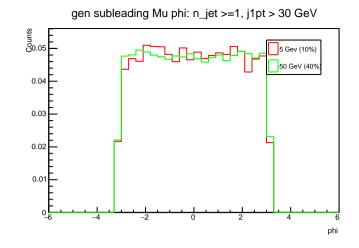


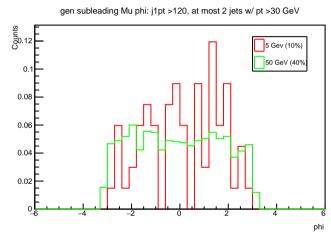


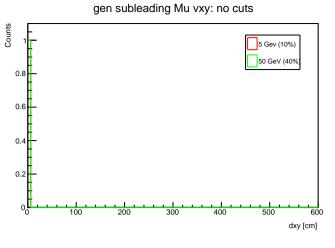


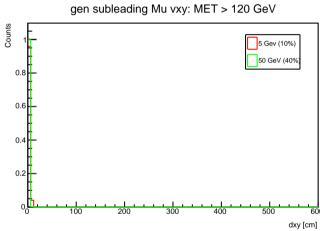


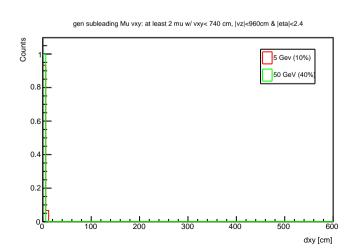


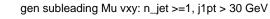


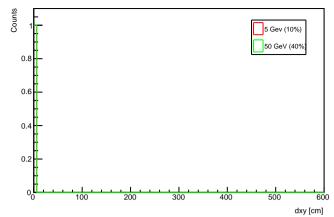




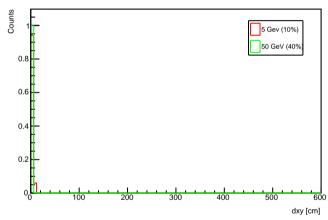


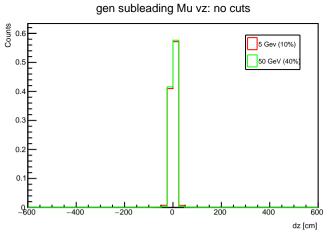


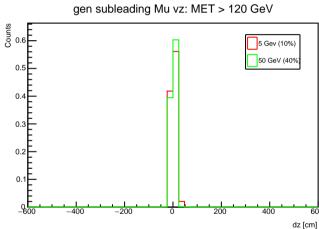


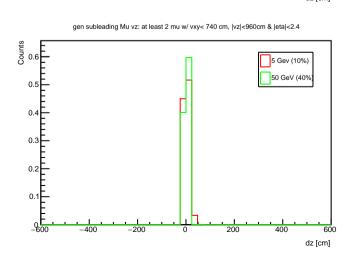


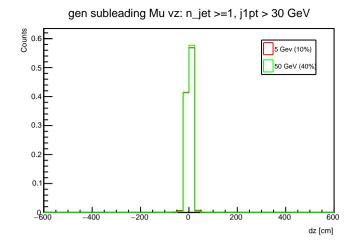
gen subleading Mu vxy: j1pt >120, at most 2 jets w/ pt >30 GeV

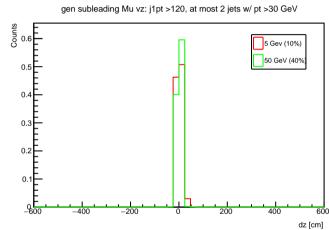


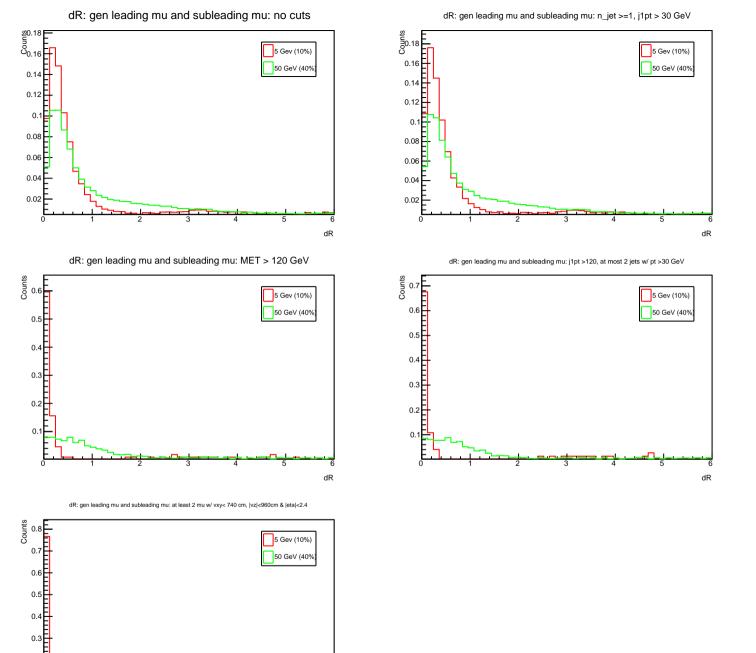






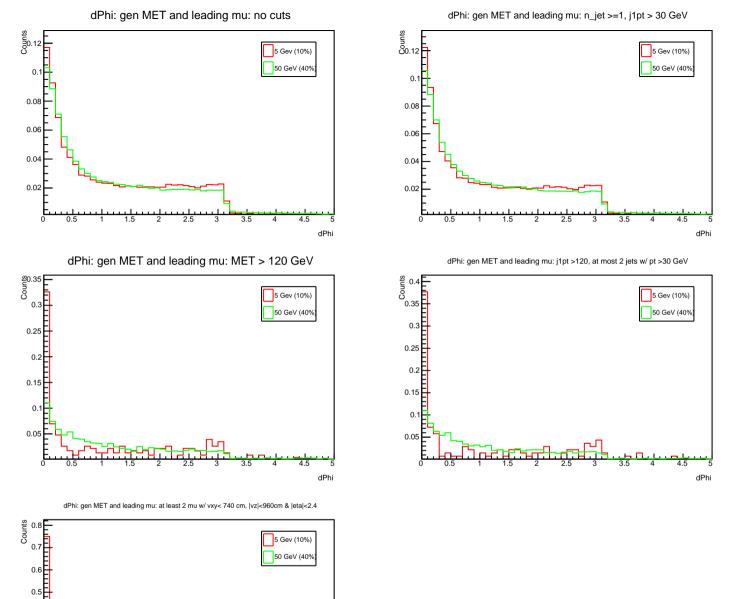






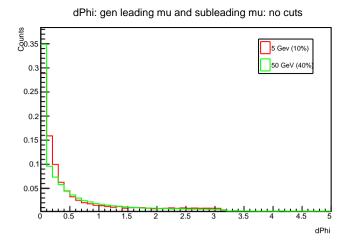
dR

0.1

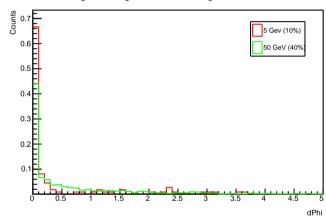


dPhi

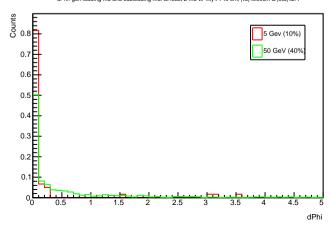
0.2



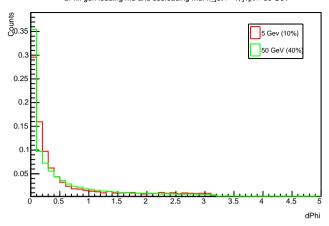




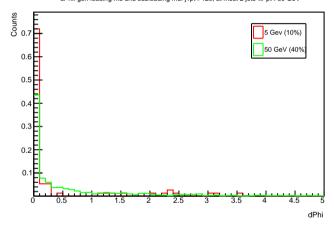
dPhi: gen leading mu and subleading mu: at least 2 mu w/ vxy< 740 cm, |vz|<960cm & |eta|<2.4

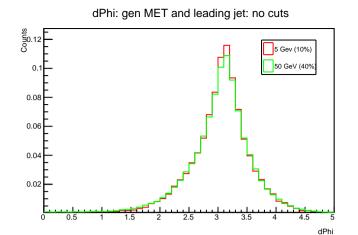


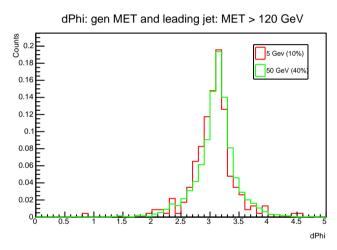


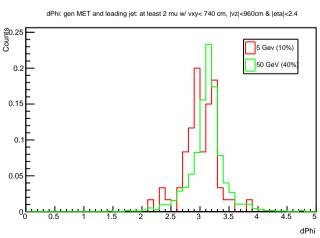


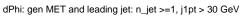
dPhi: gen leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

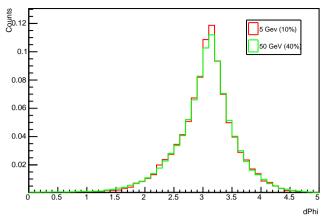




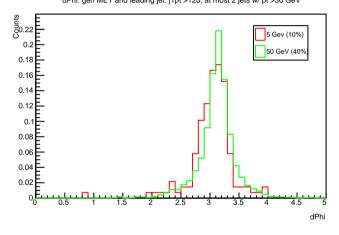


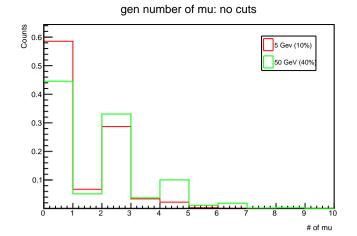


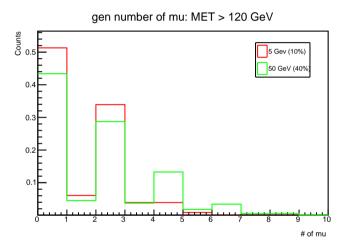


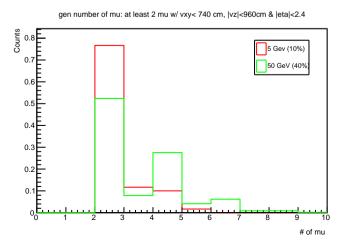


dPhi: gen MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV

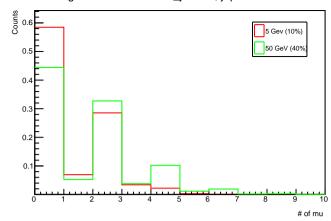




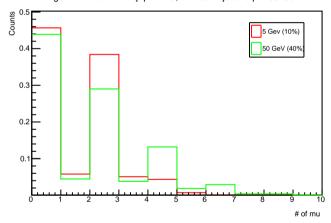


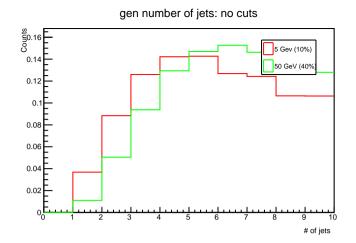


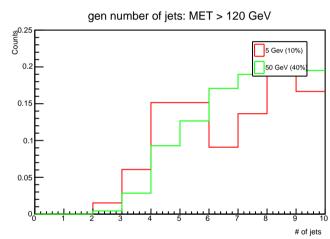


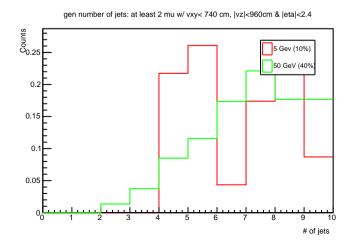


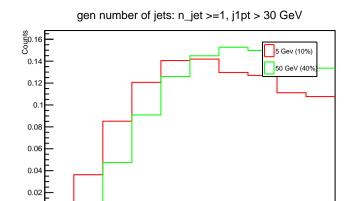
gen number of mu: j1pt >120, at most 2 jets w/ pt >30 GeV



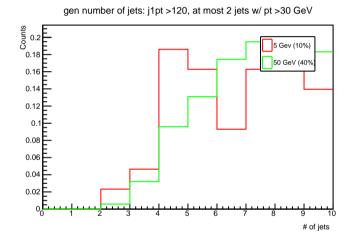


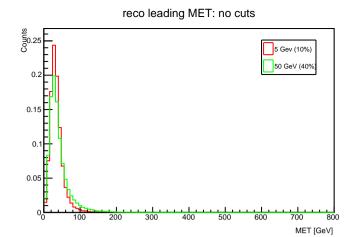


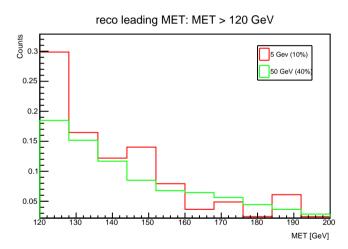


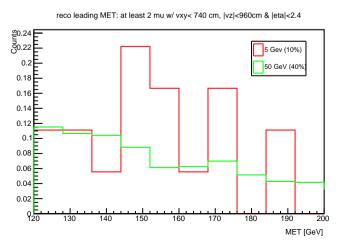


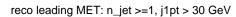
of jets

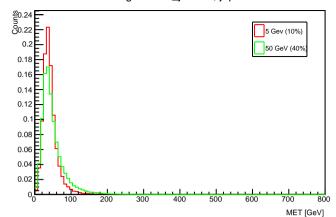




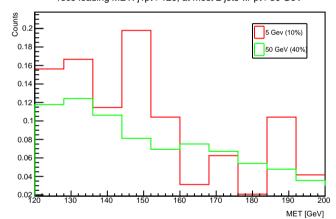


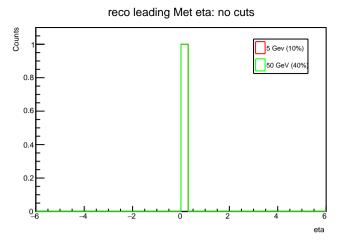


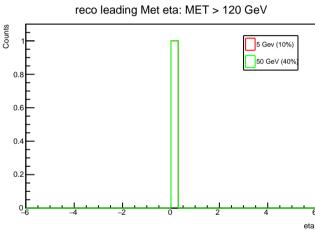


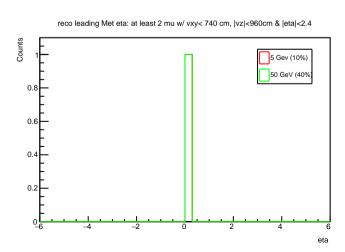


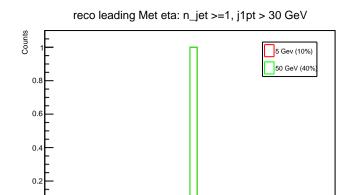
reco leading MET: j1pt >120, at most 2 jets w/ pt >30 GeV



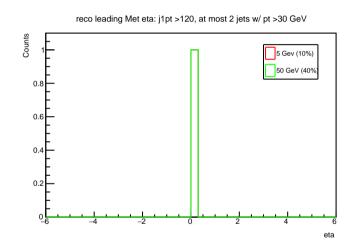


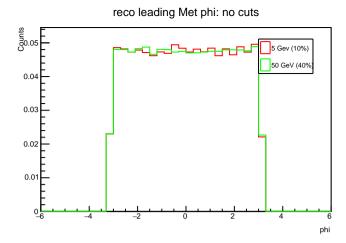


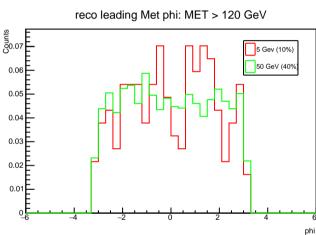


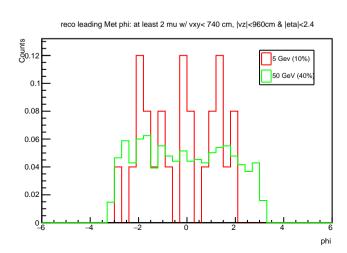


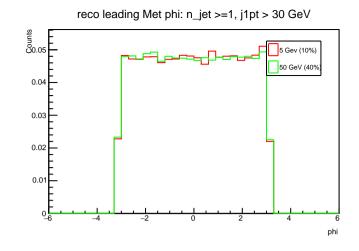
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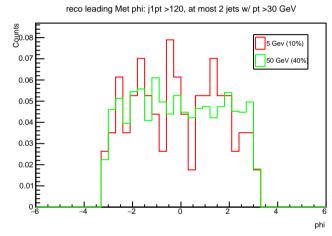


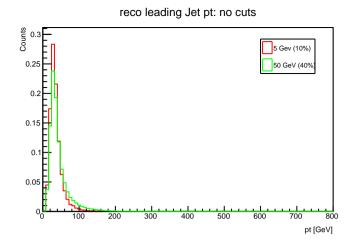


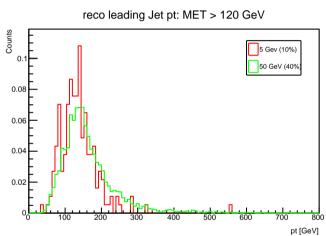


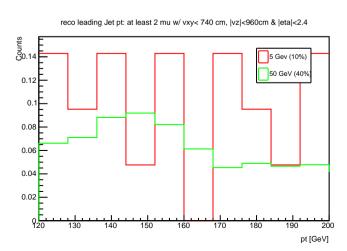


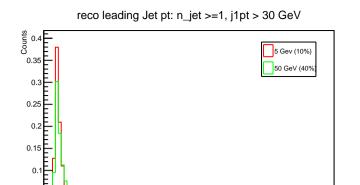






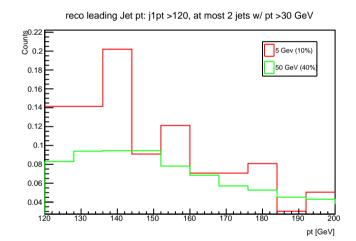


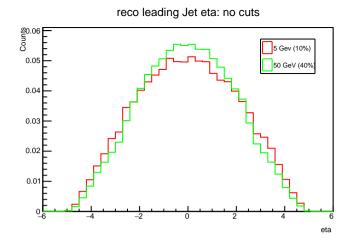


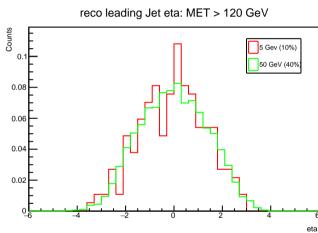


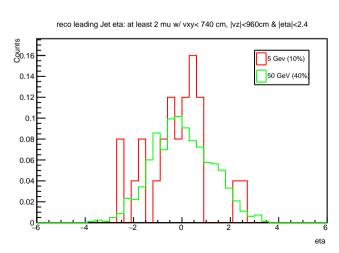
pt [GeV]

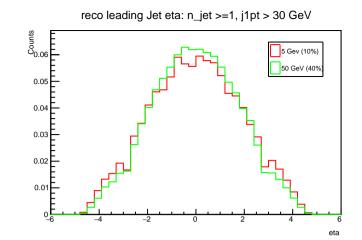
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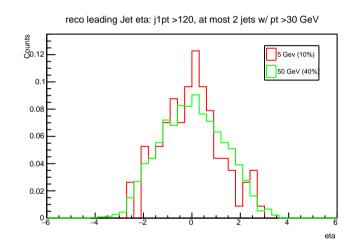


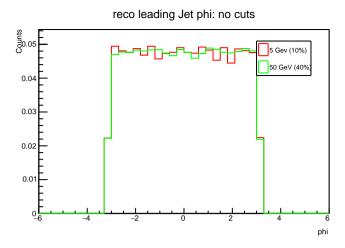


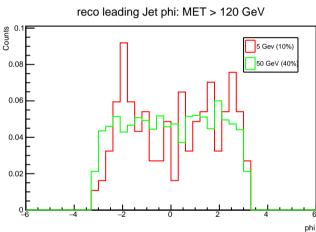


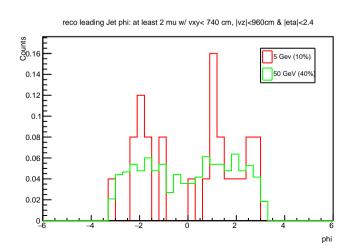


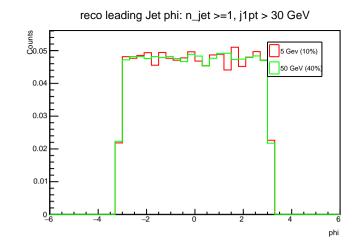


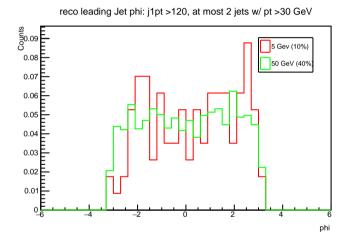


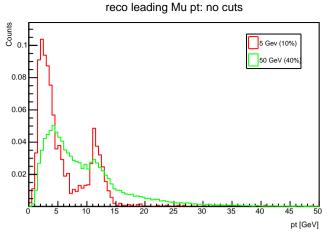


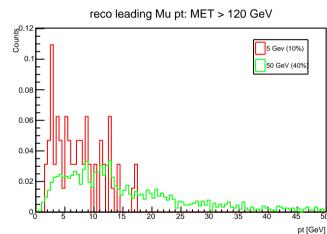


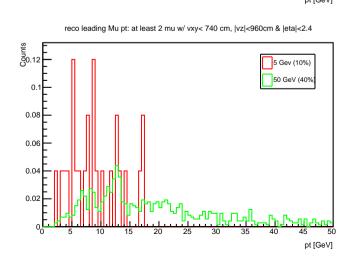


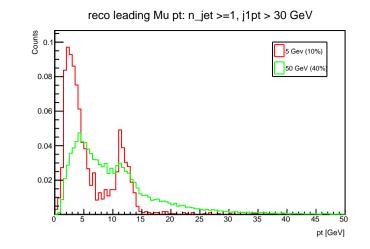


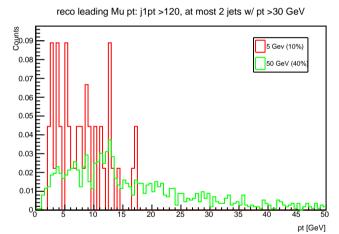


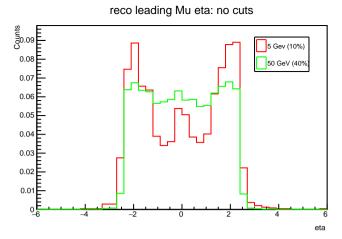


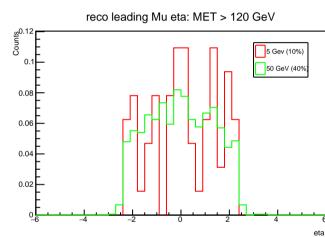


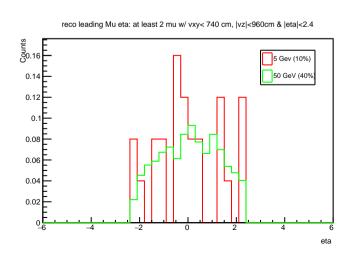


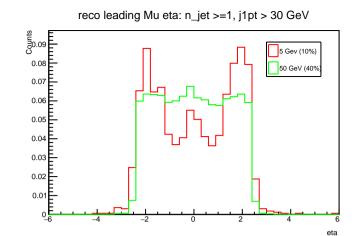


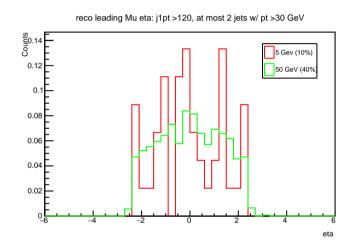


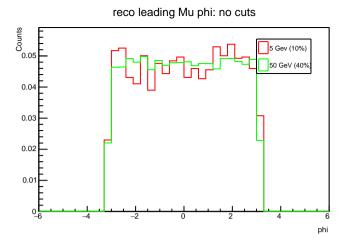


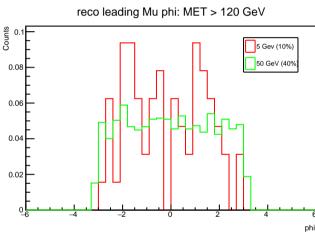


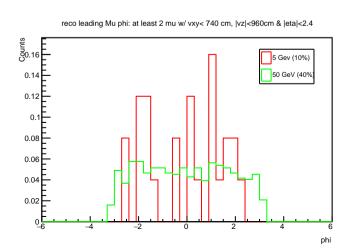


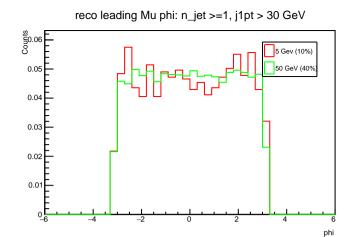


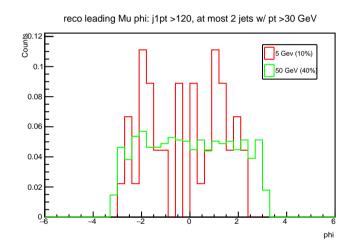


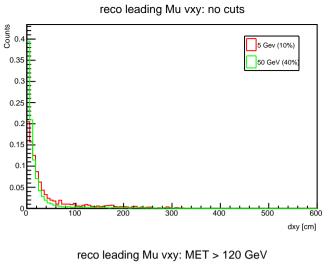


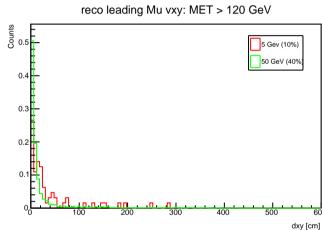


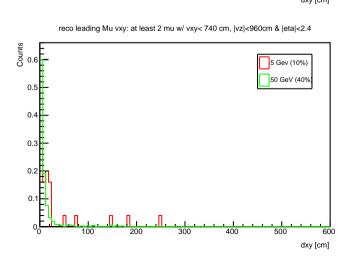


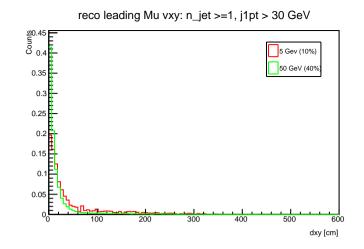


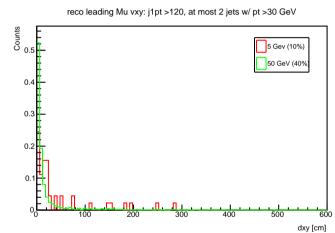


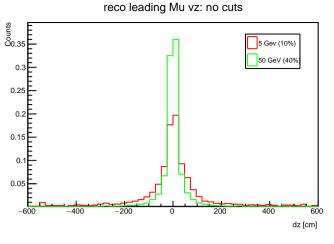


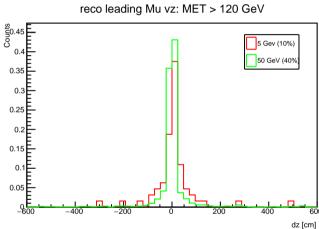


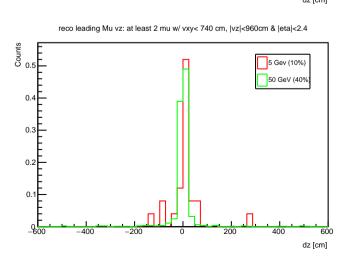


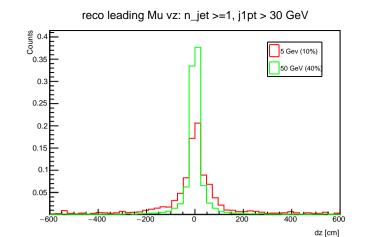


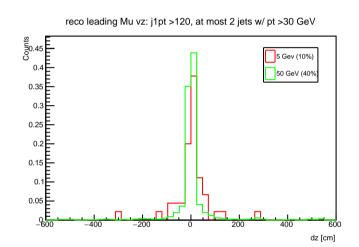


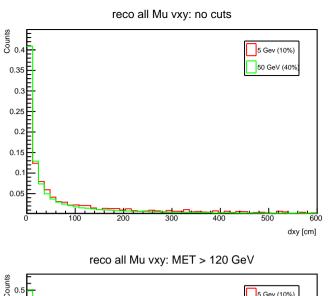


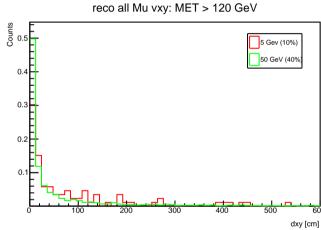


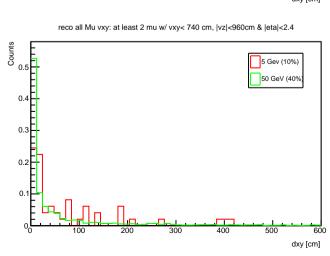


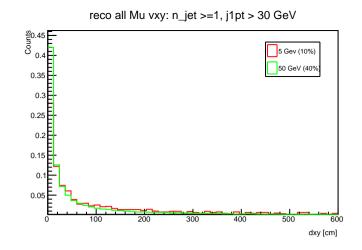


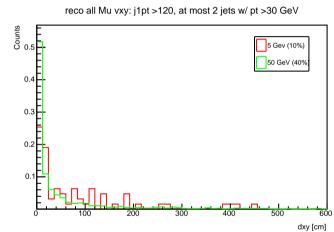


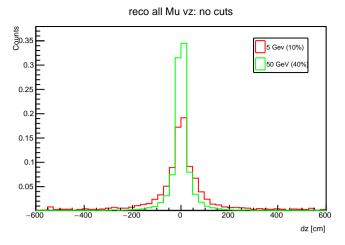


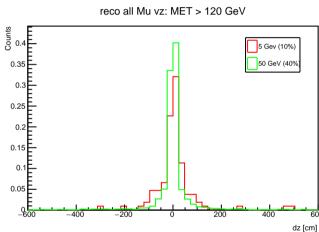


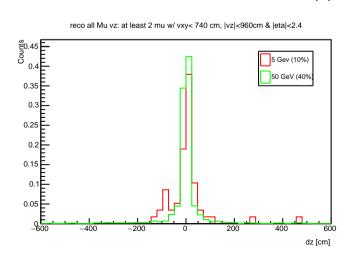


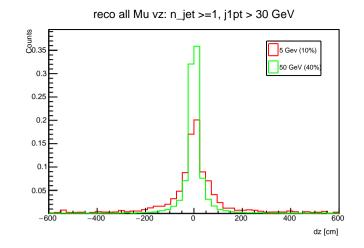


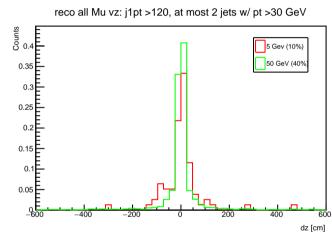


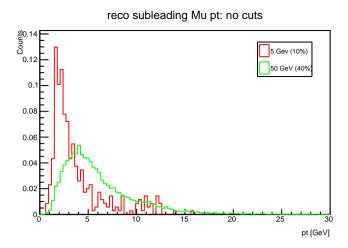


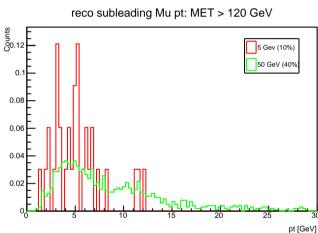


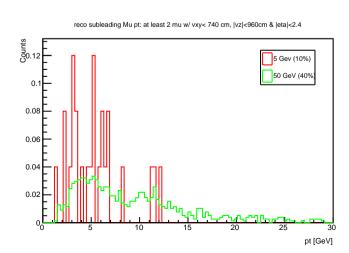


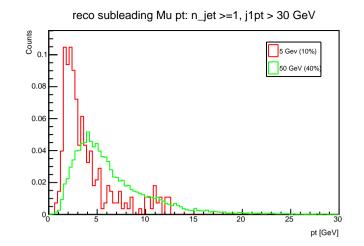


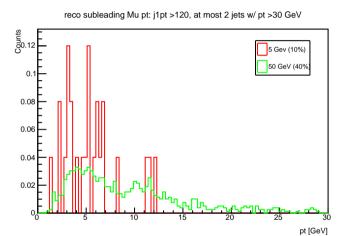


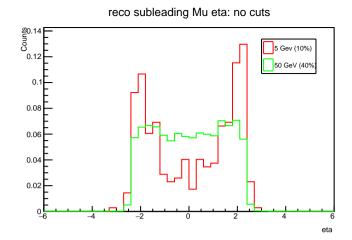


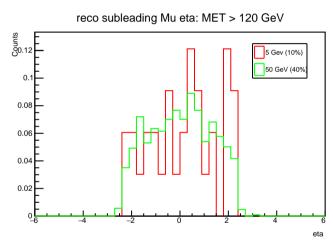


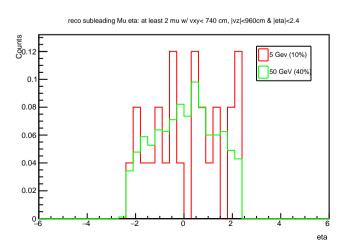


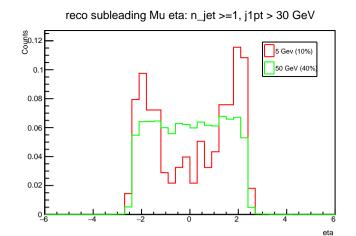


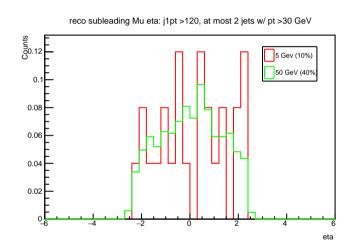


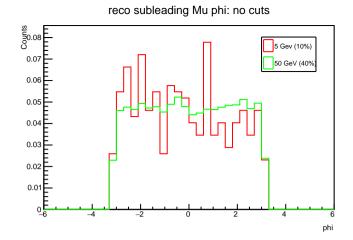


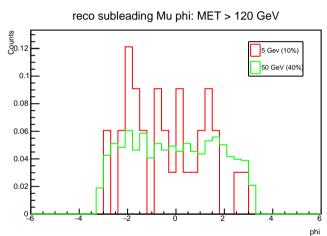


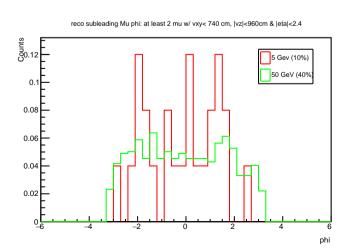


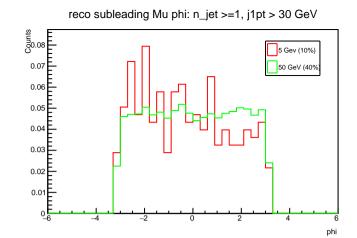


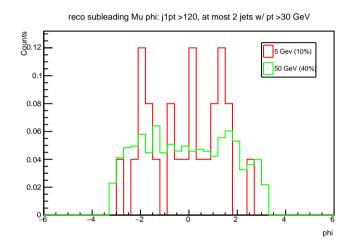


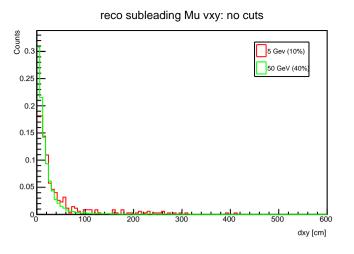


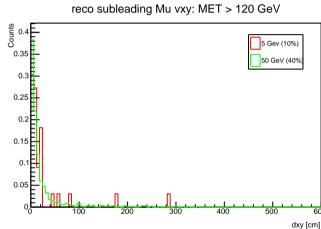


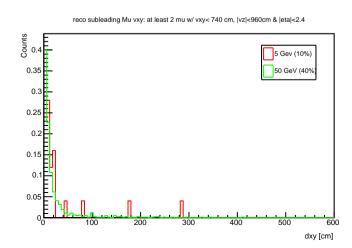


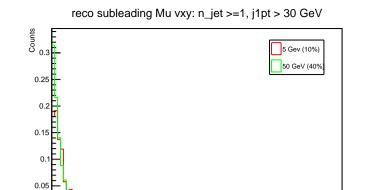




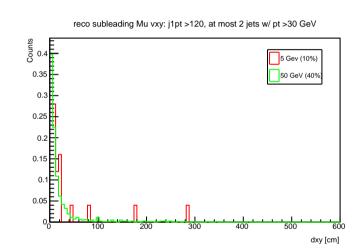


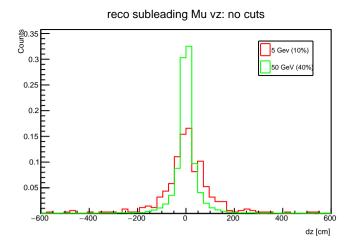


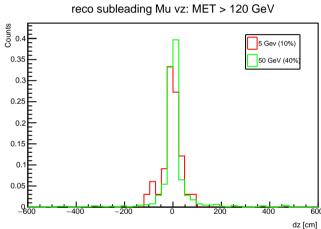


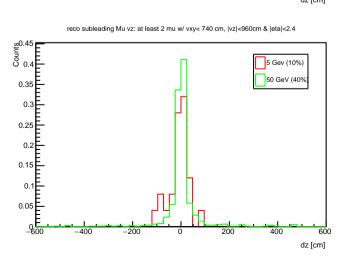


dxy [cm]

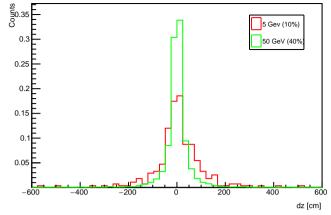




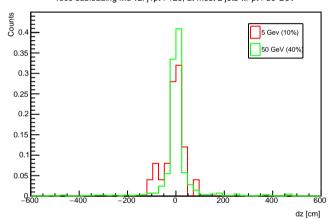


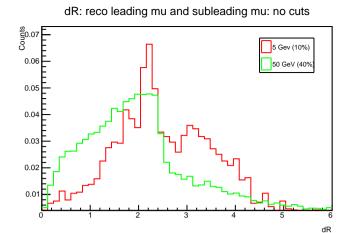


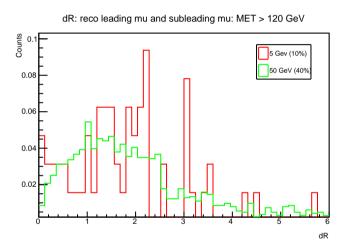


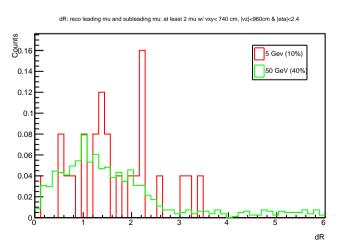


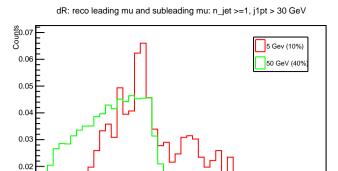
reco subleading Mu vz: j1pt >120, at most 2 jets w/ pt >30 GeV





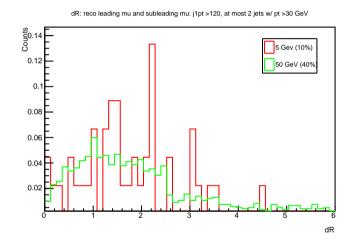


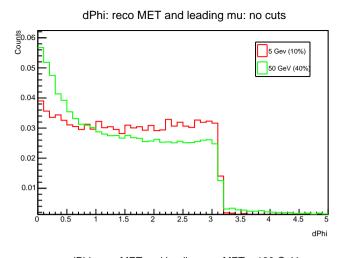


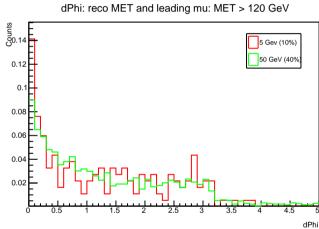


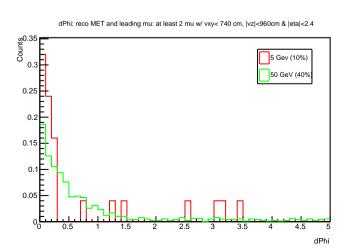
dR

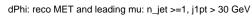
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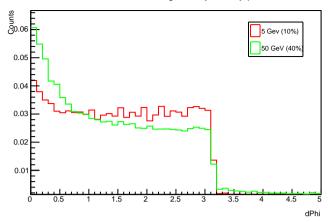




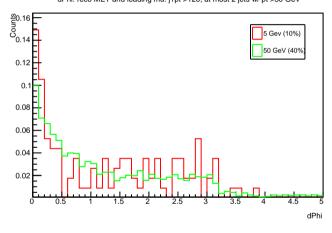


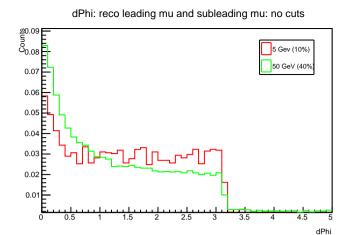




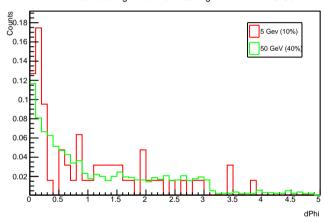


dPhi: reco MET and leading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

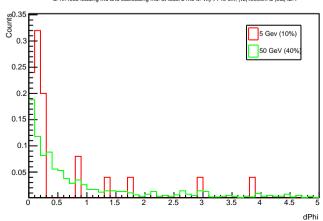




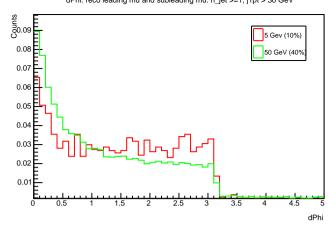




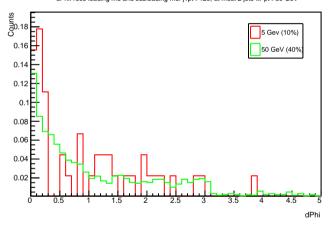
dPhi: reco leading mu and subleading mu: at least 2 mu w/ vxy< 740 cm, |vz|<960cm & |eta|<2.4

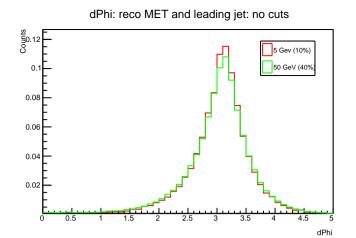


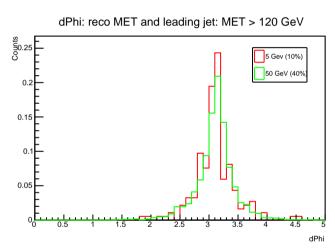
dPhi: reco leading mu and subleading mu: n_jet >=1, j1pt > 30 GeV

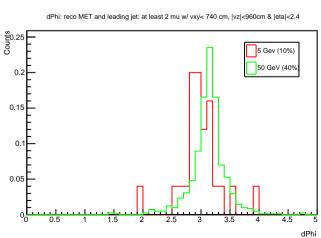


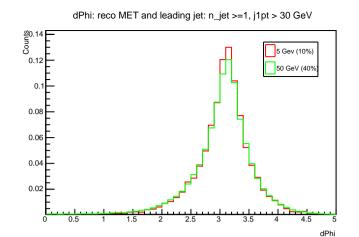
dPhi: reco leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

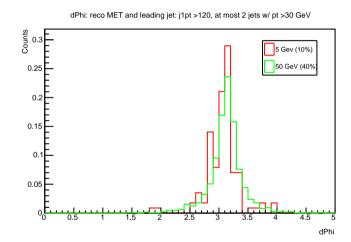


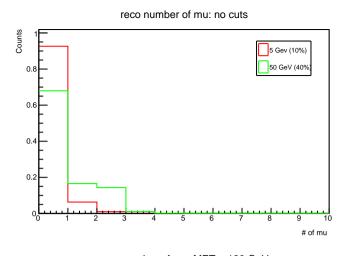


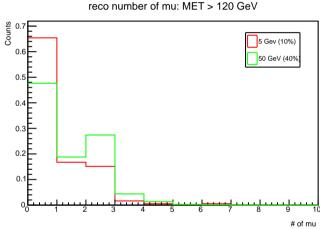


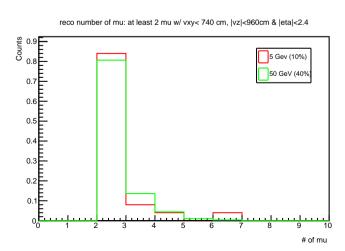


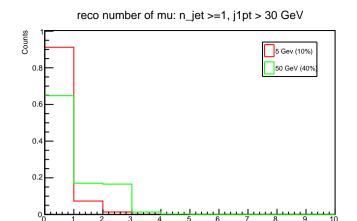




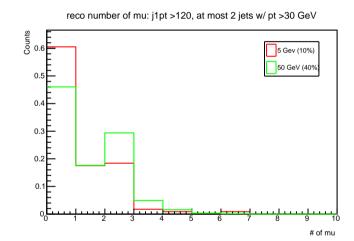


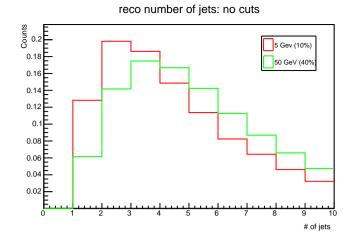


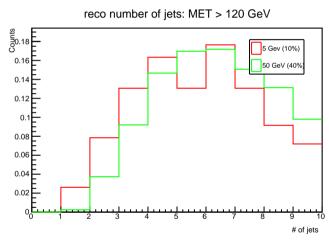


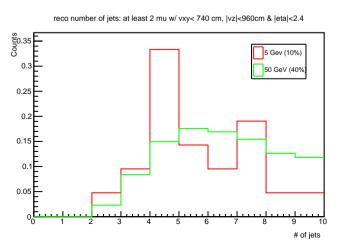


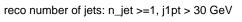
of mu

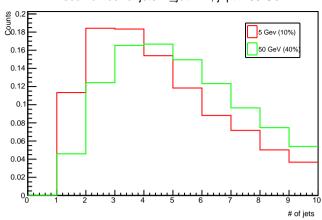




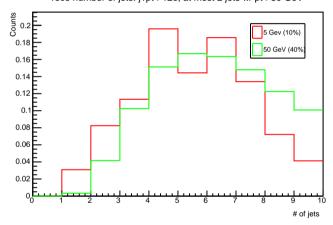


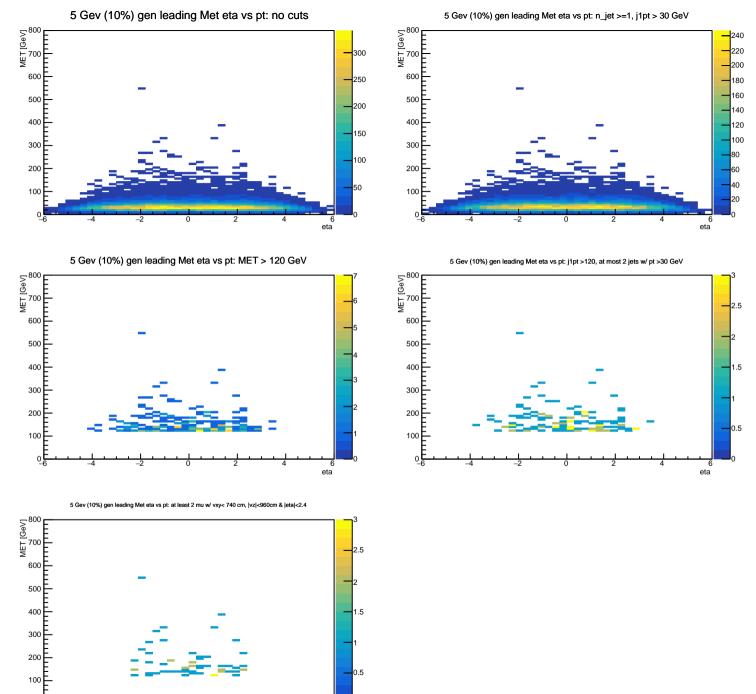


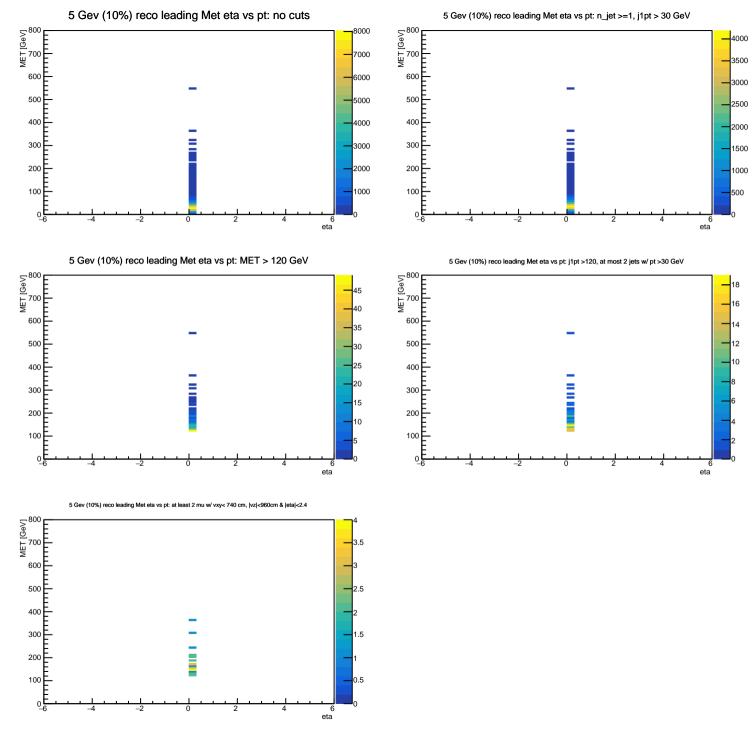


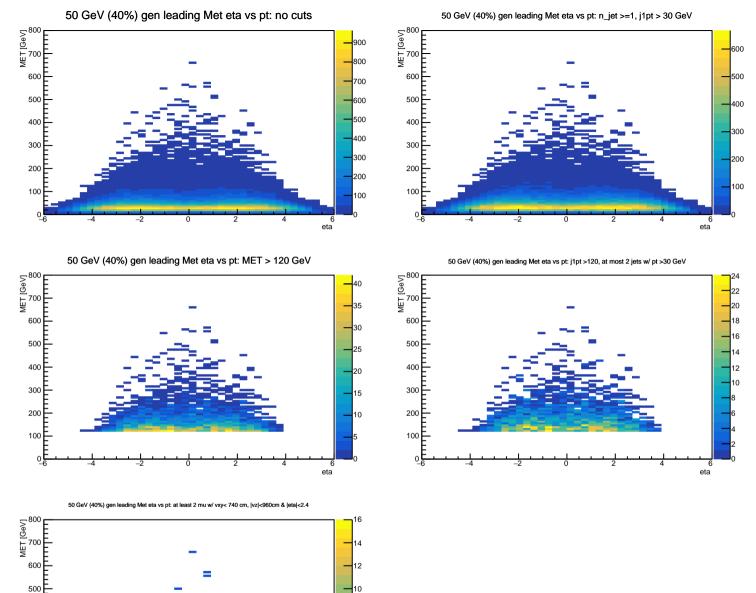


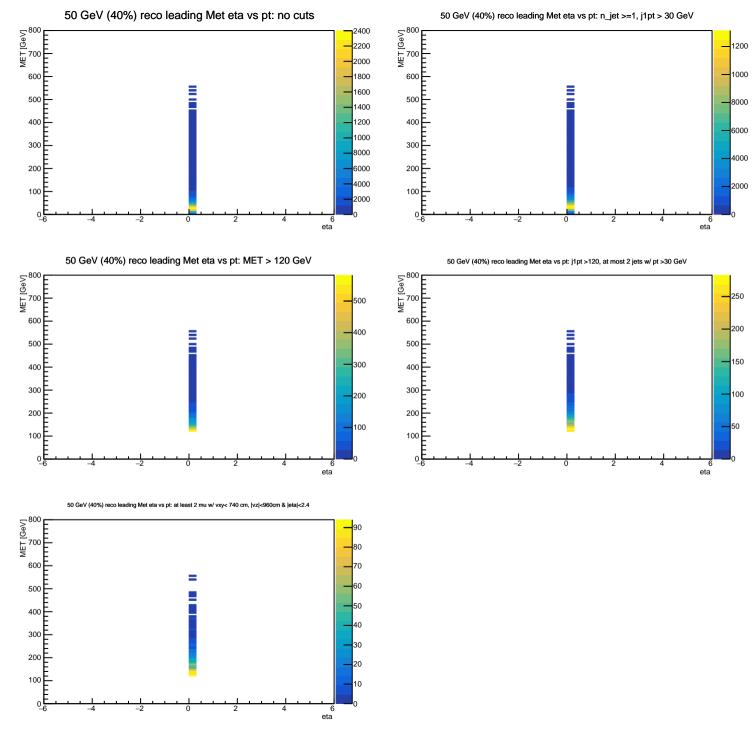
reco number of jets: j1pt >120, at most 2 jets w/ pt >30 GeV

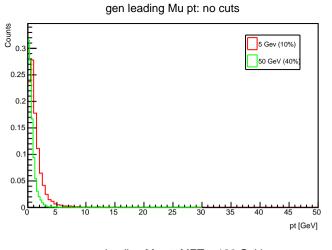


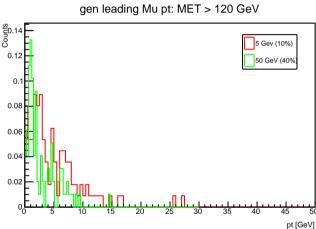


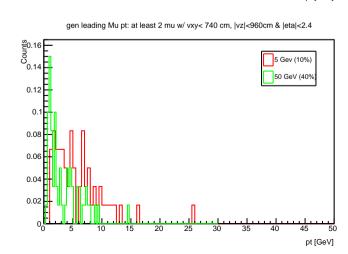


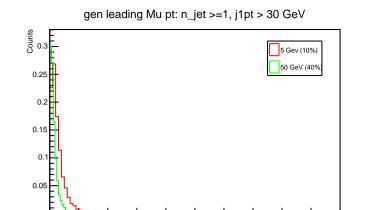




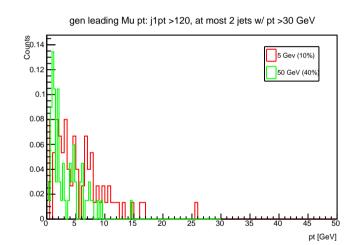


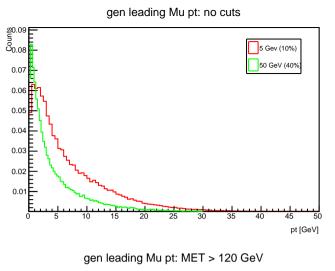


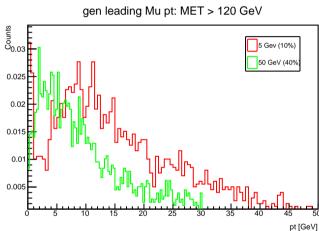


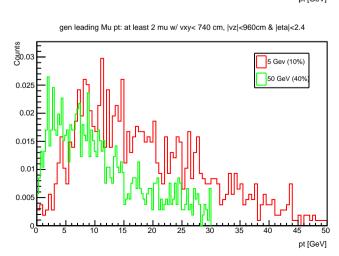


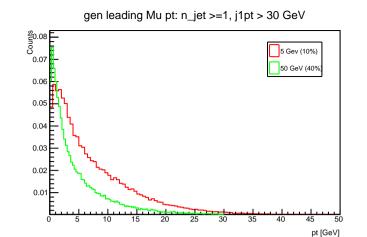
pt [GeV]

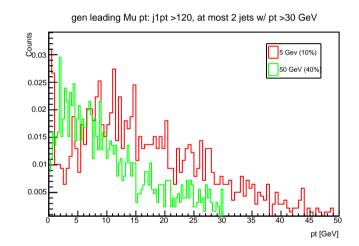






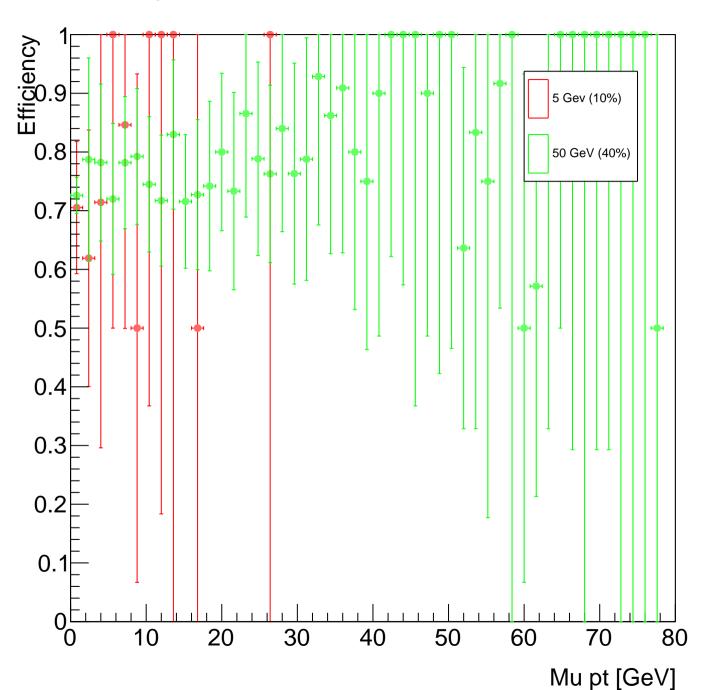


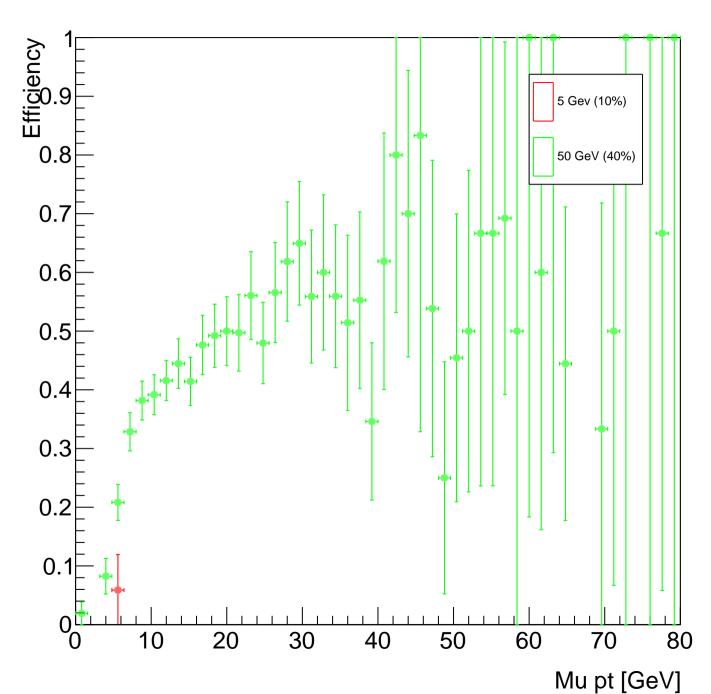


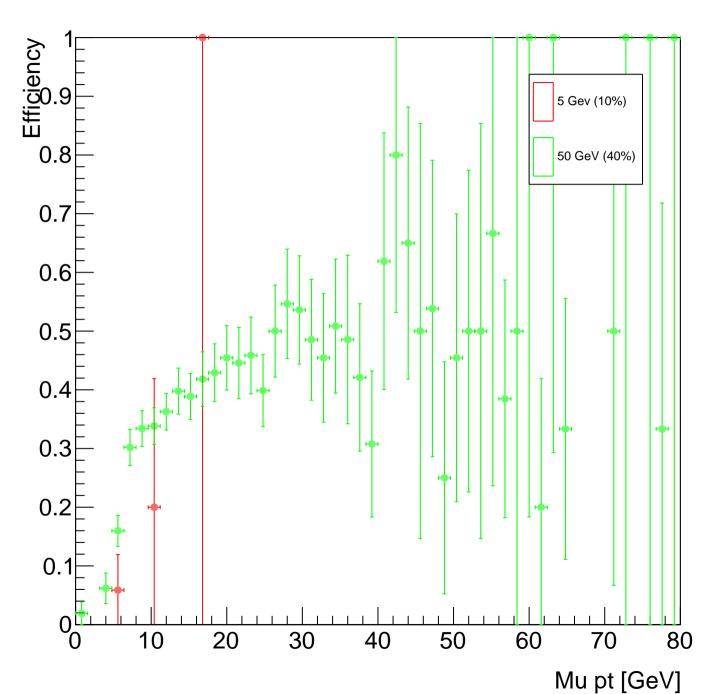




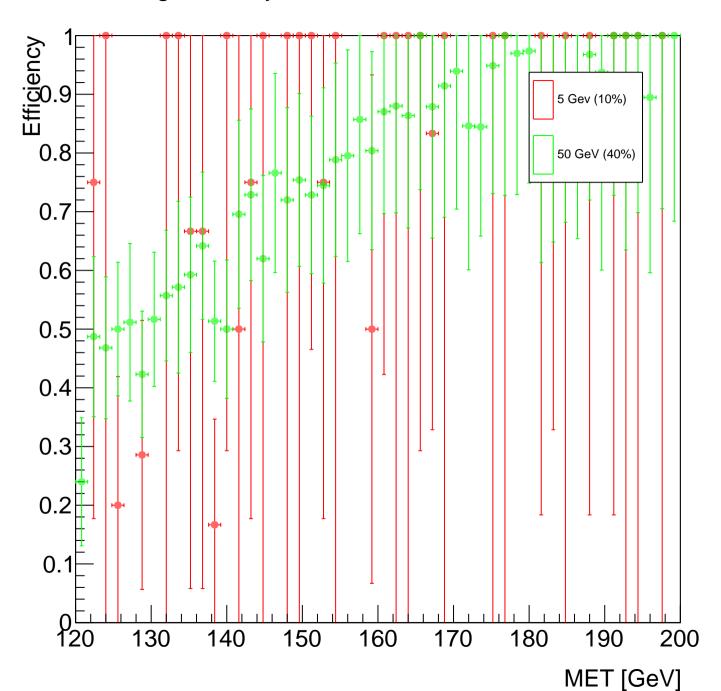
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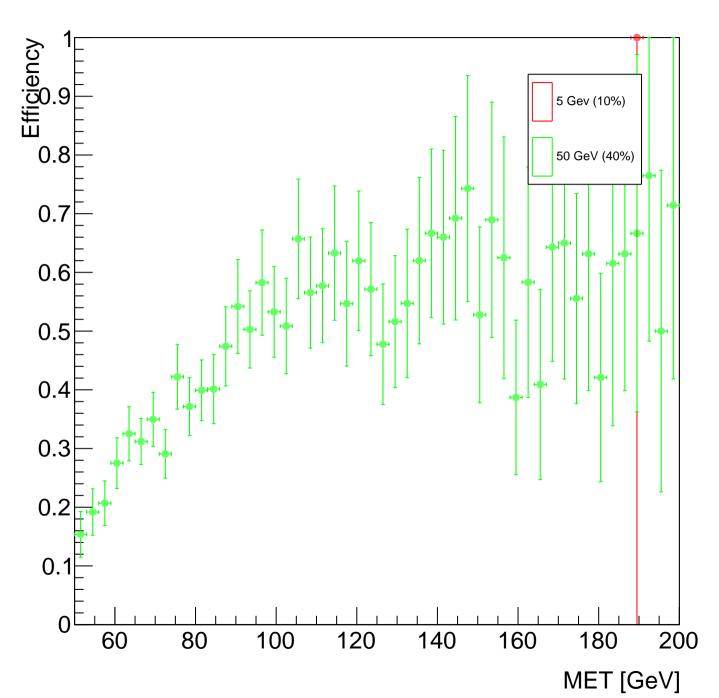


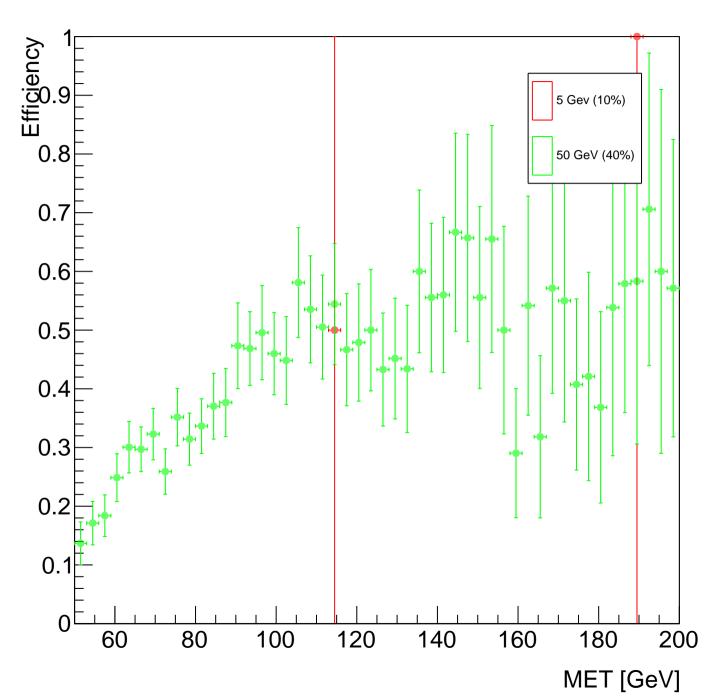




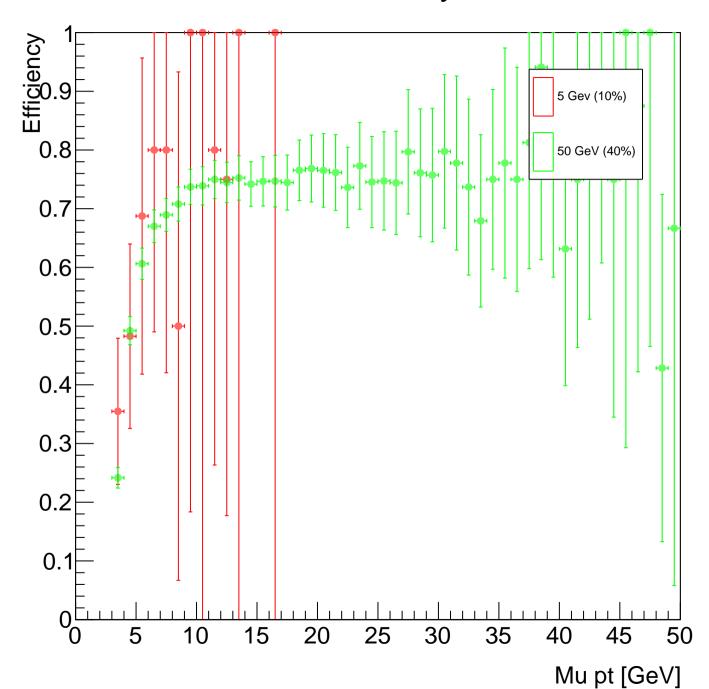
trigefficiency HLT_PFMET120_PFMHT120



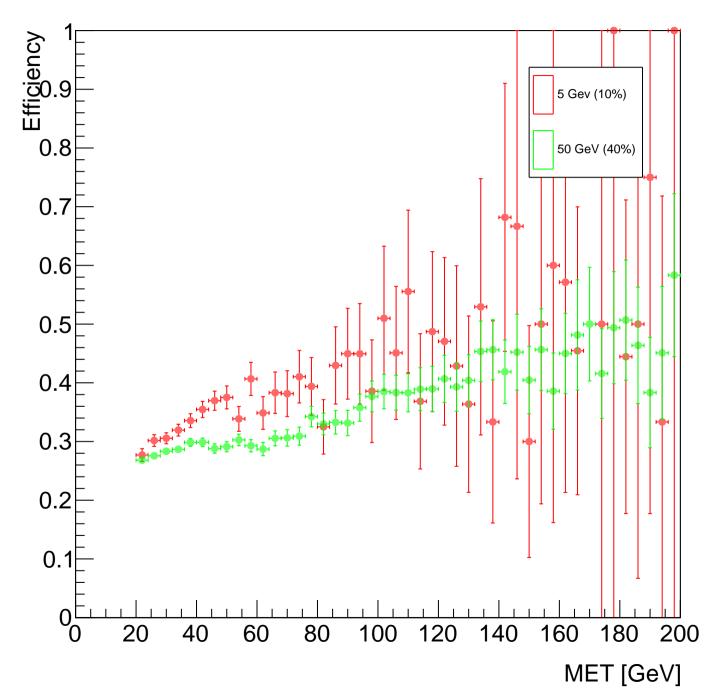




recoefficiency mu



recoefficiency met



recoefficiency met

