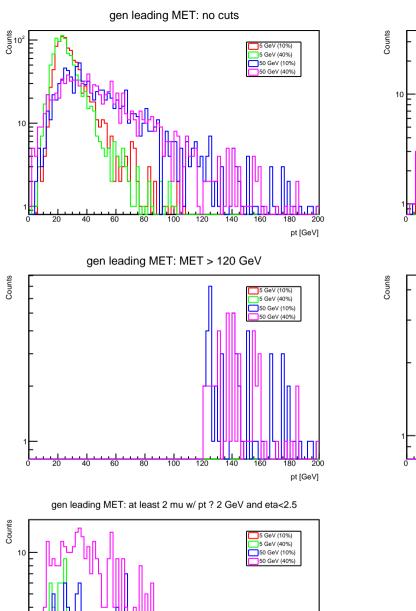
ctau 10cm

nevents 5 GeV (10%): 1000(c1:357,c2:0,c3:2,c4:1)

nevents 5 GeV (40%): 1000(c1:380,c2:0,c3:1,c4:56)

nevents 50 GeV (10%): 1000(c1:691,c2:67,c3:61,c4:116)

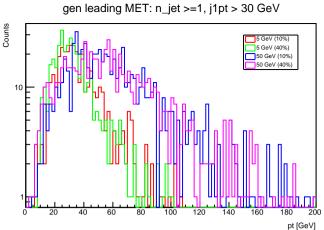
nevents 50 GeV (40%): 1000(c1:690,c2:59,c3:71,c4:343)

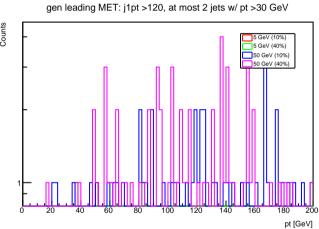


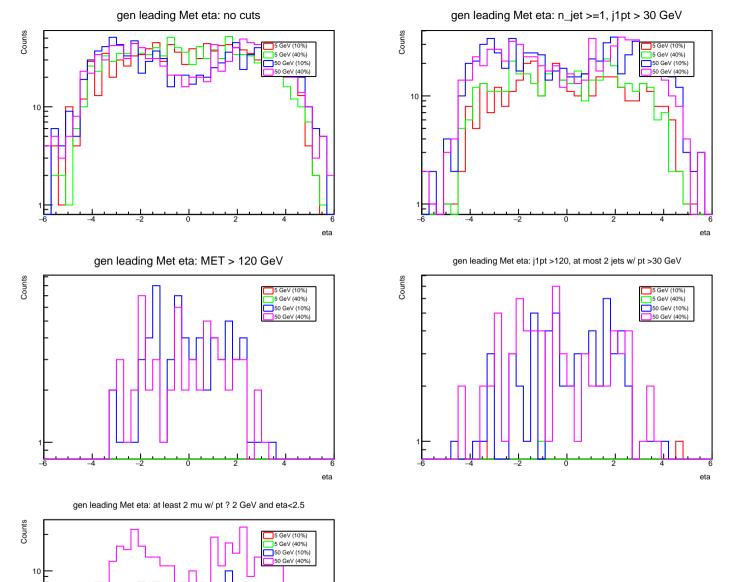
100

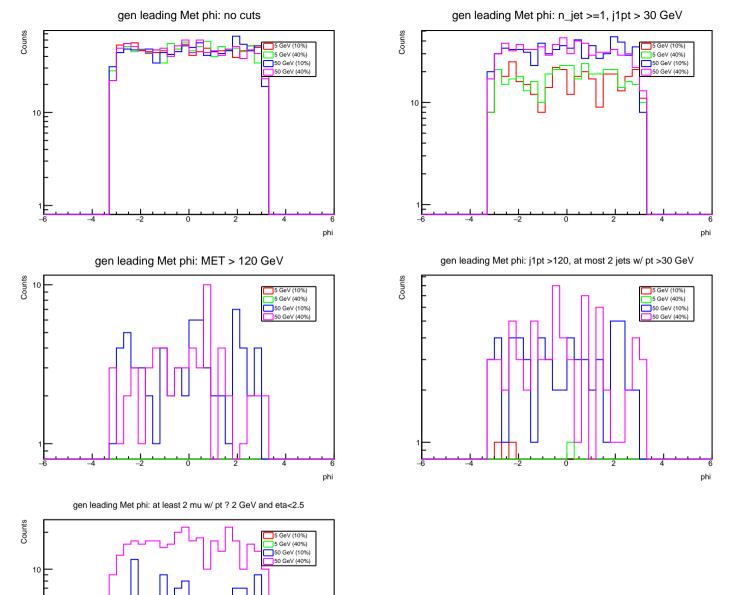
140

180 20 pt [GeV]

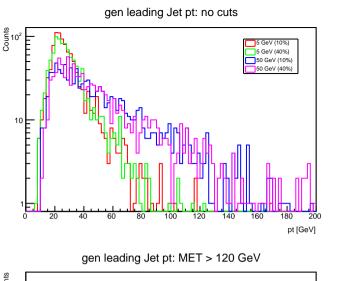


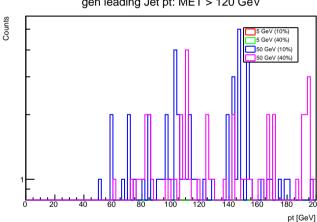


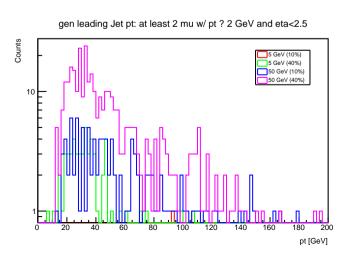


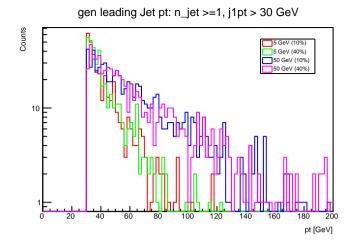


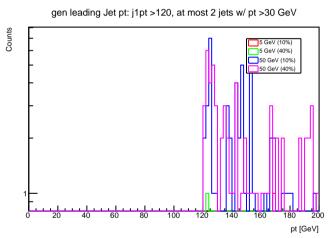
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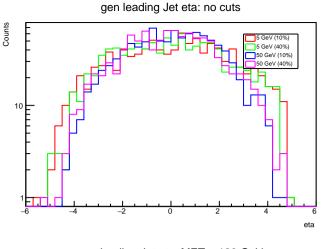


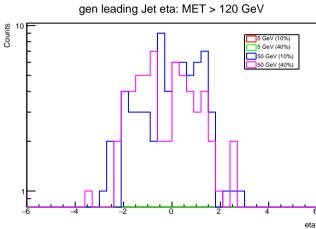


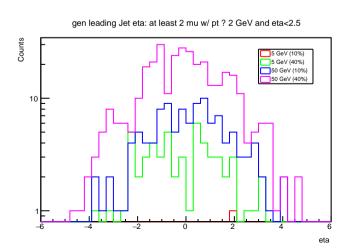


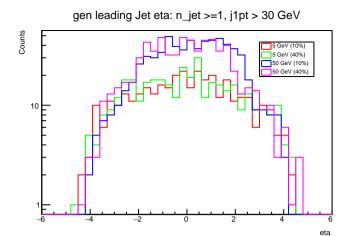


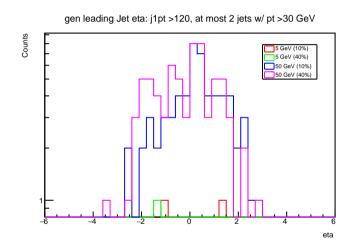


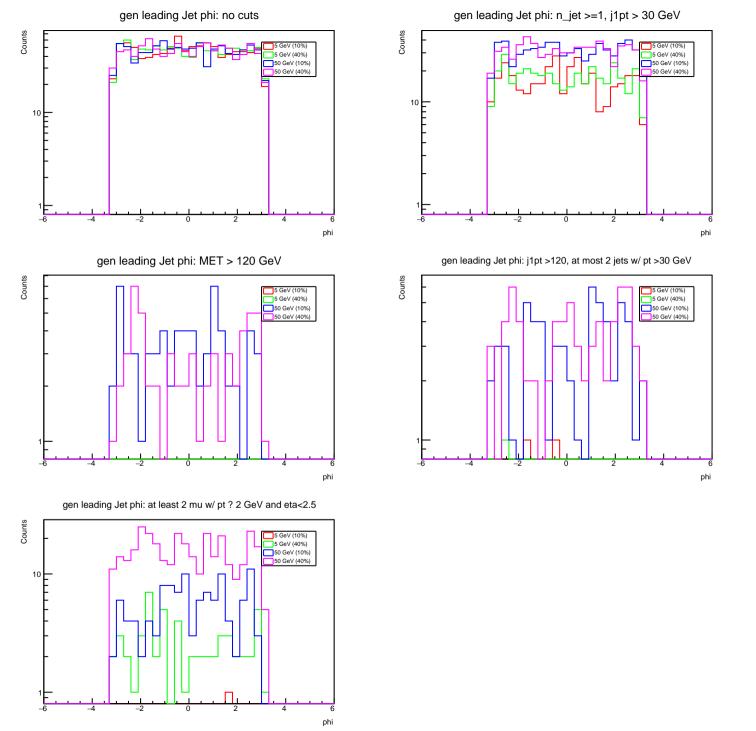


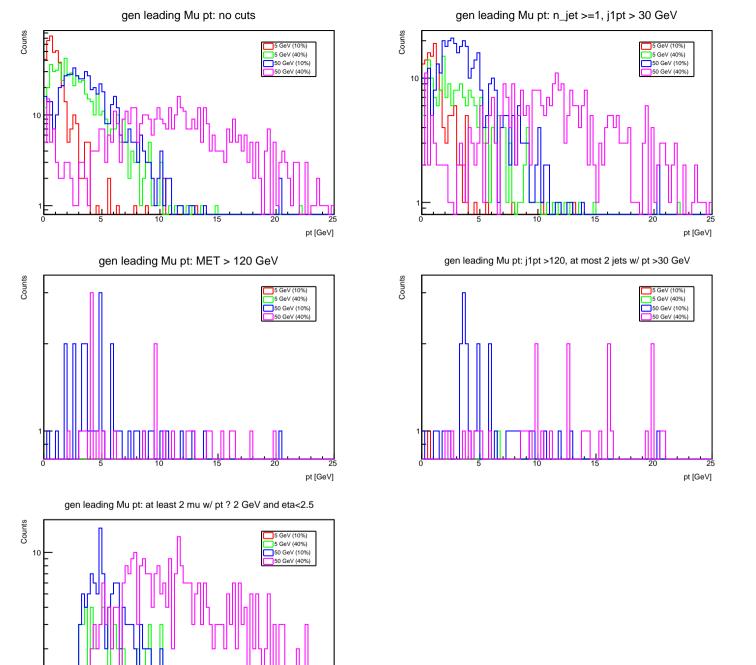




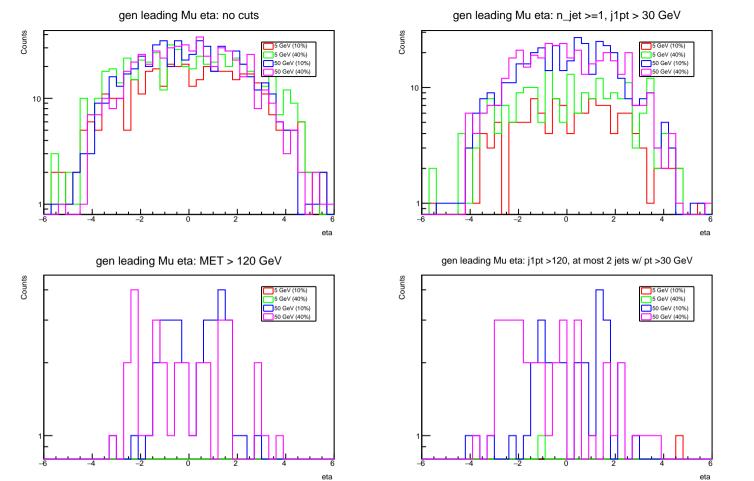


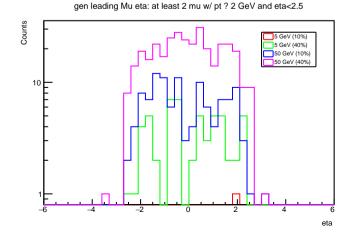


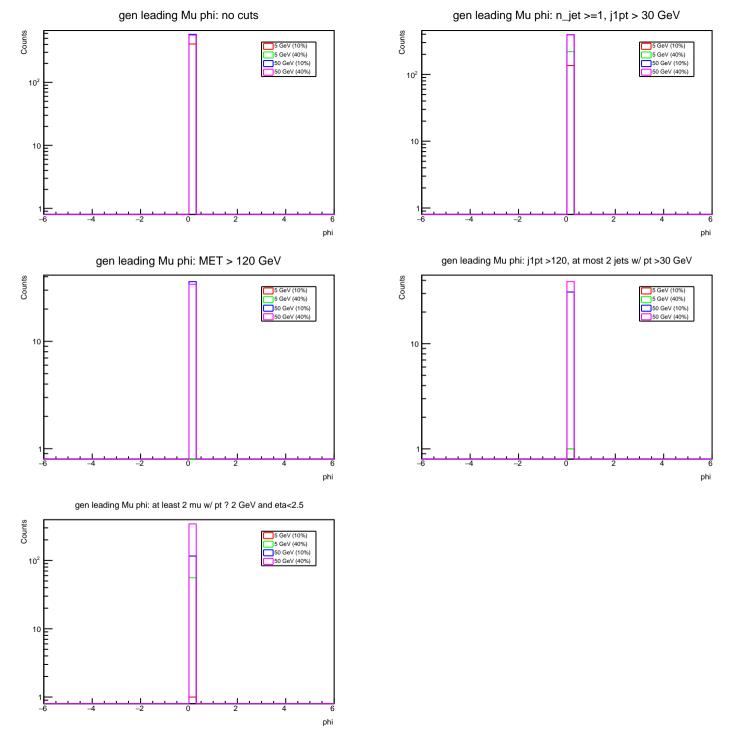


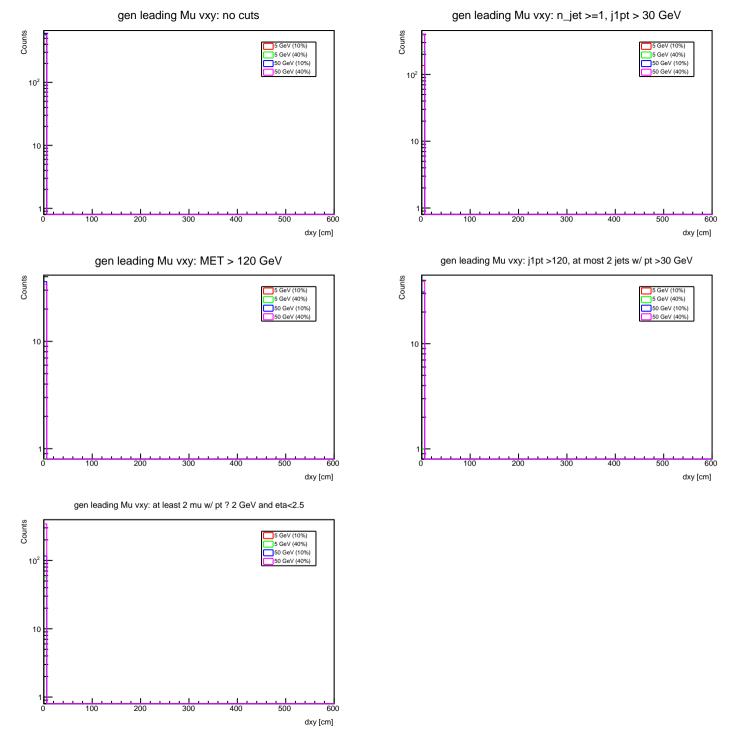


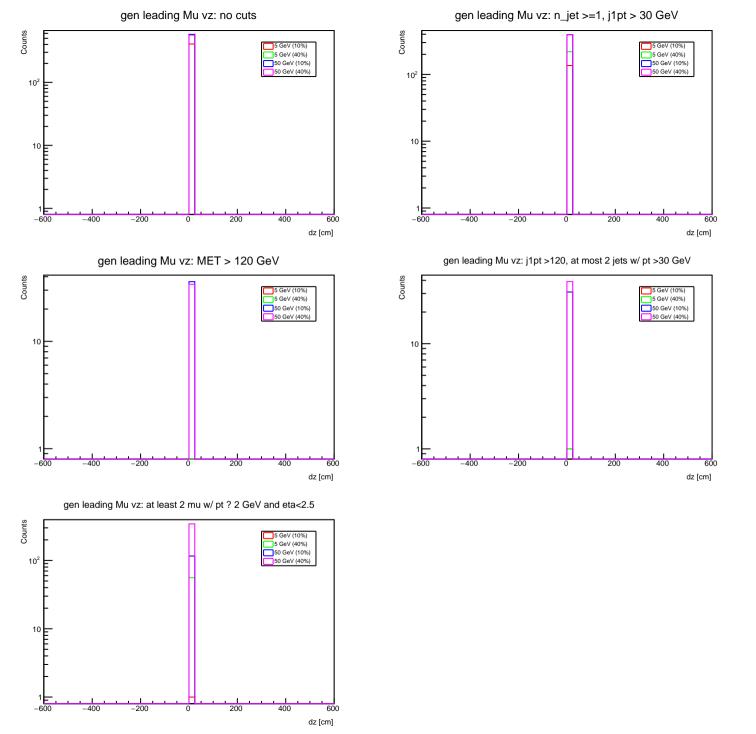
pt [GeV]

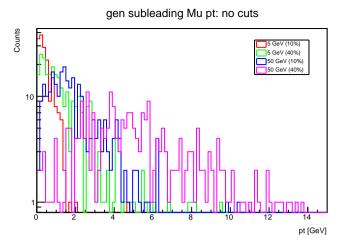


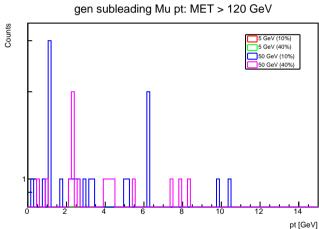


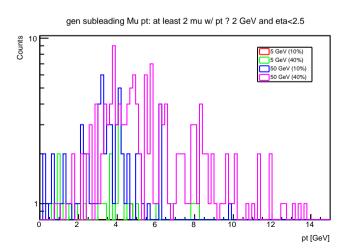


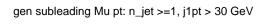


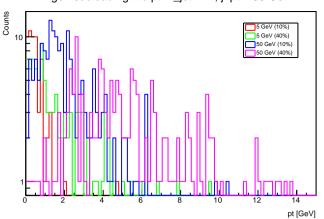




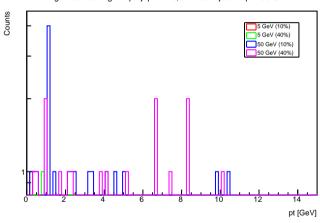


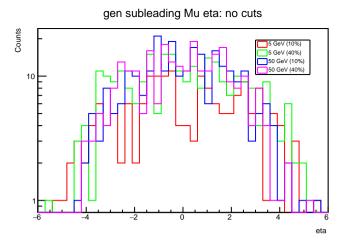


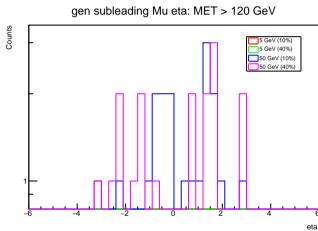


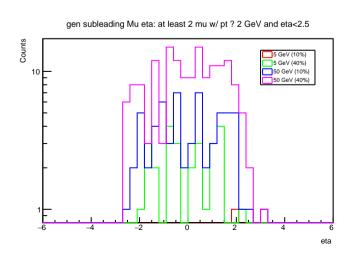


gen subleading Mu pt: j1pt >120, at most 2 jets w/ pt >30 GeV

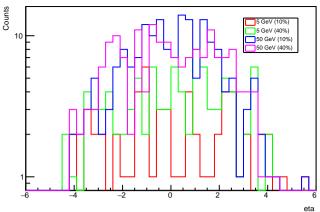




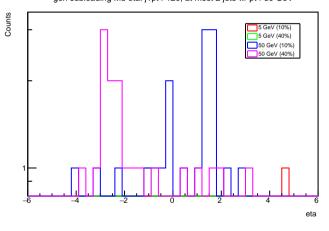


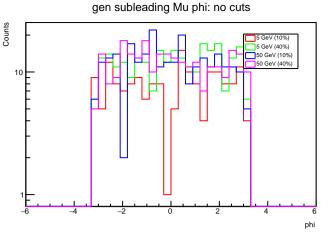


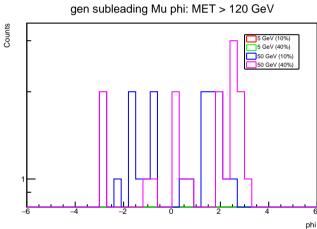


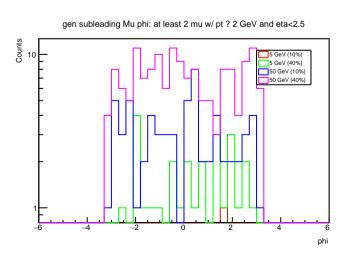


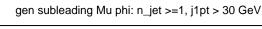
gen subleading Mu eta: j1pt >120, at most 2 jets w/ pt >30 GeV

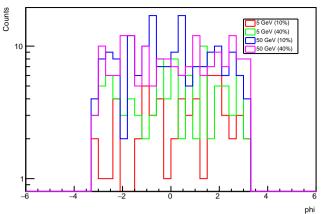




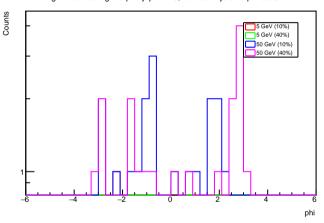


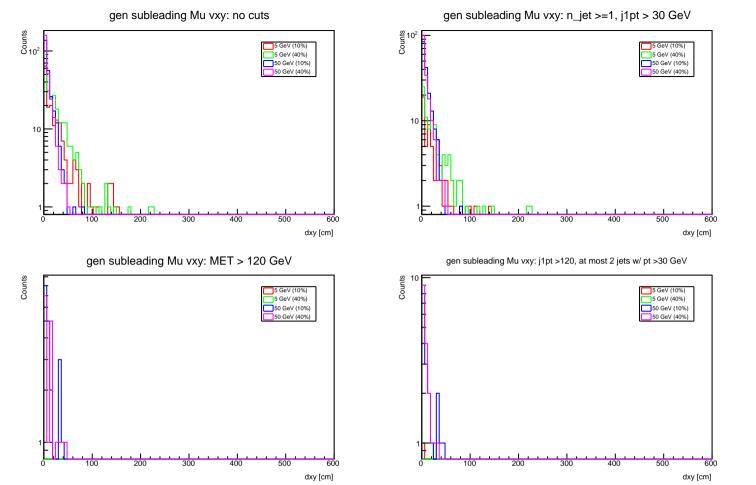


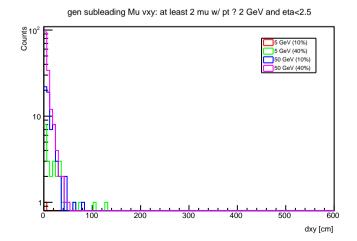


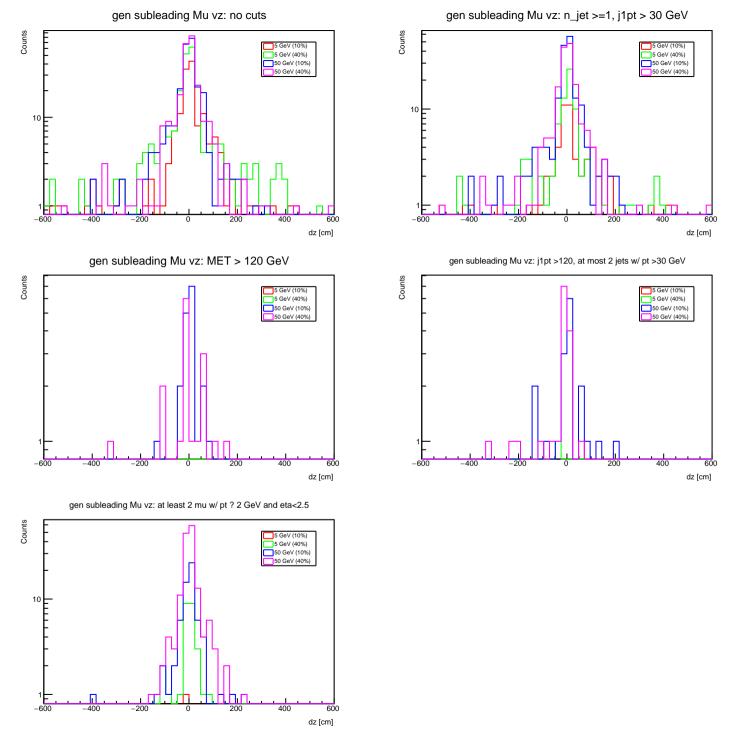


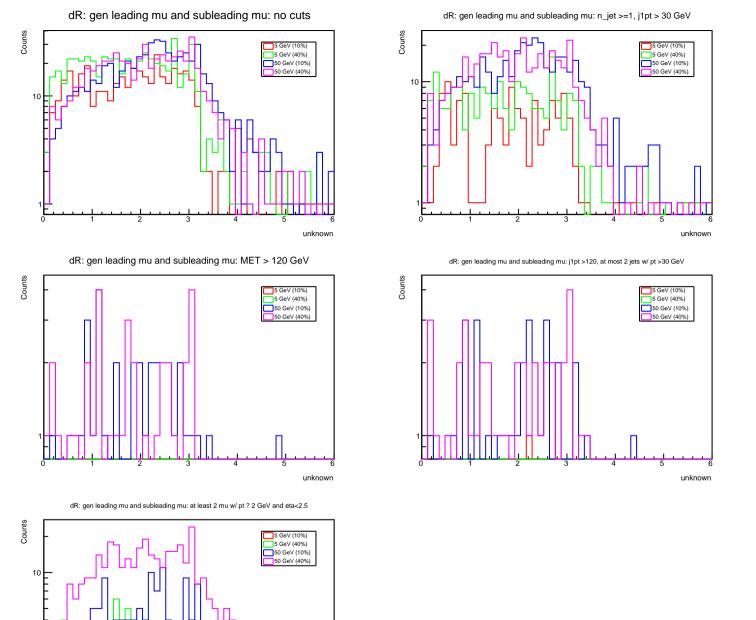
gen subleading Mu phi: j1pt >120, at most 2 jets w/ pt >30 GeV



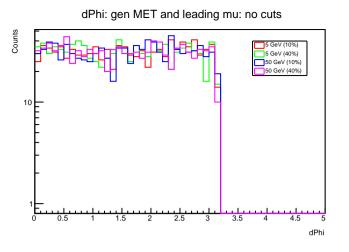




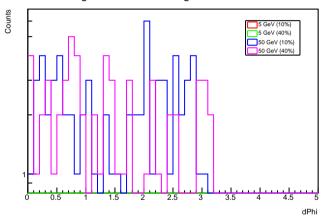




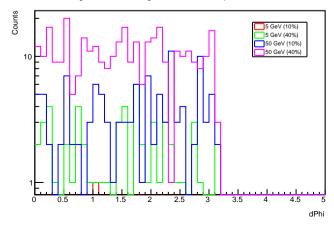
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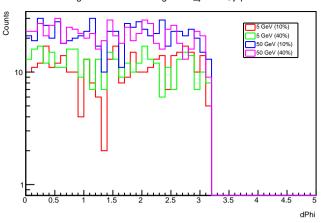




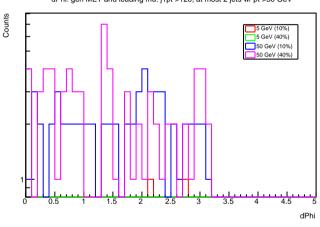
dPhi: gen MET and leading mu: at least 2 mu w/ pt ? 2 GeV and eta<2.5

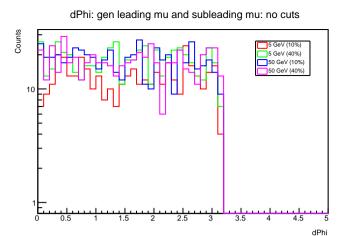


dPhi: gen MET and leading mu: n_jet >=1, j1pt > 30 GeV

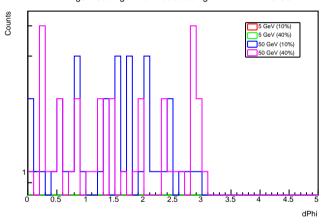


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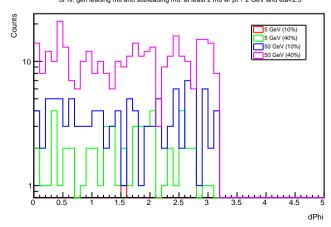




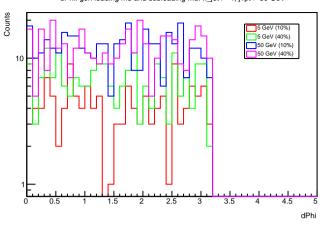




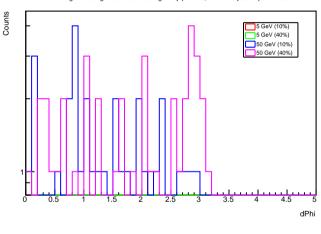
dPhi: gen leading mu and subleading mu: at least 2 mu w/ pt ? 2 GeV and eta<2.5

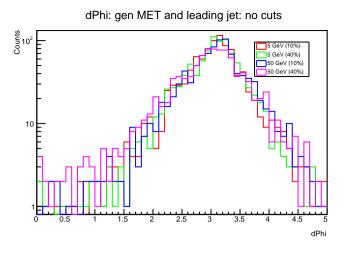


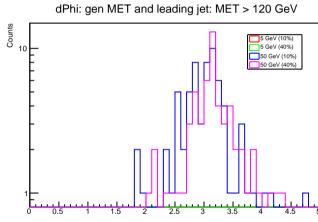
dPhi: gen leading mu and subleading mu: n_jet >=1, j1pt > 30 GeV

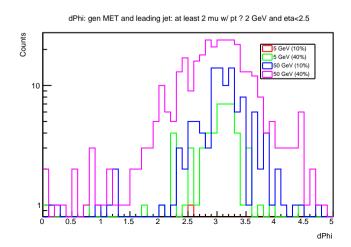


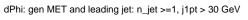
dPhi: gen leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

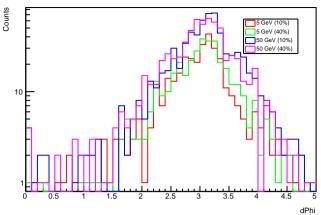




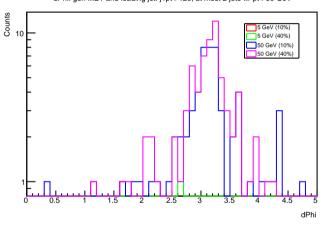


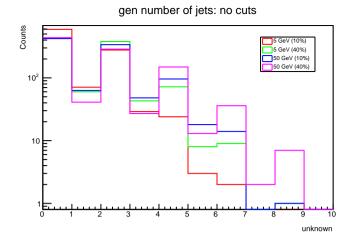


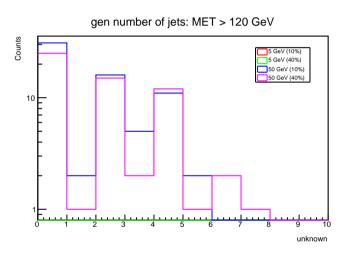


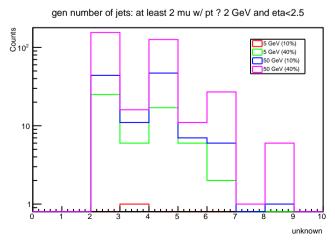


dPhi: gen MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV

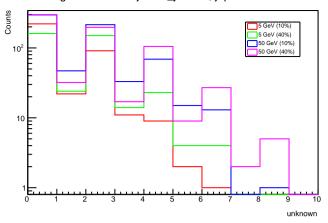




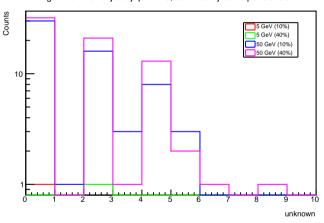


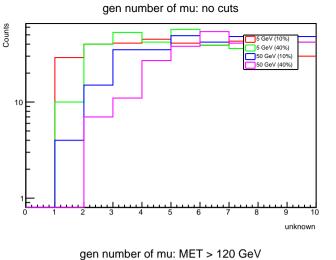


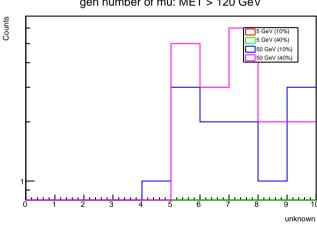


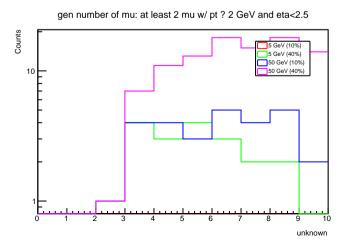


gen number of jets: j1pt >120, at most 2 jets w/ pt >30 GeV

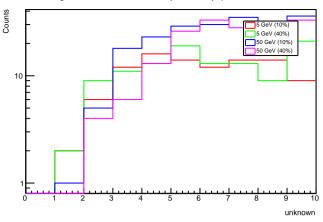




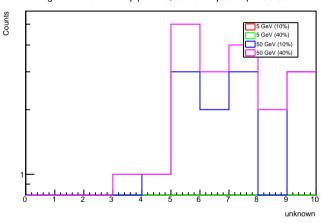


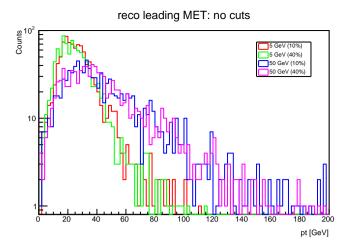


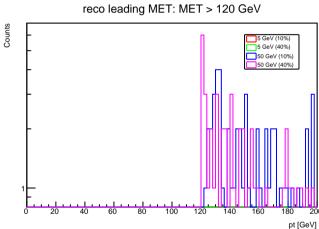


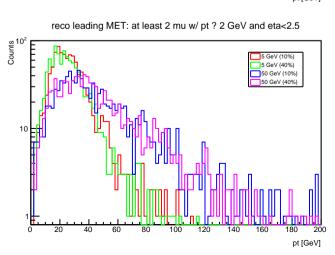


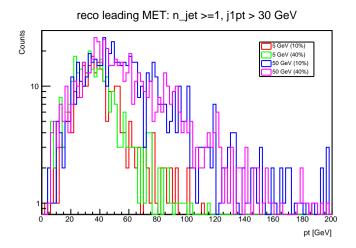
gen number of mu: j1pt >120, at most 2 jets w/ pt >30 GeV

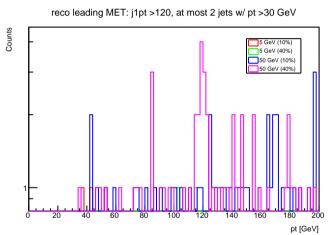


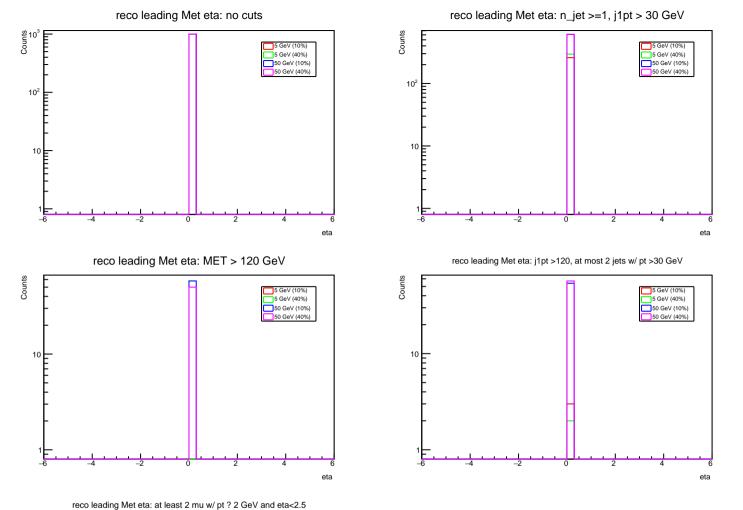


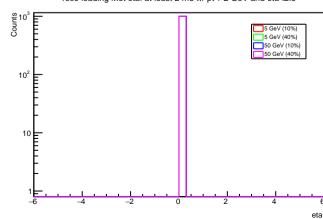


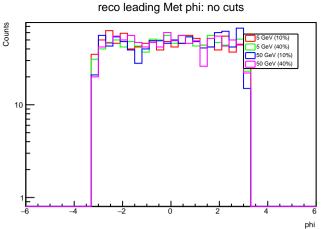


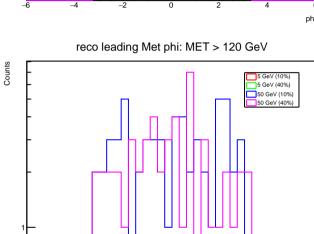


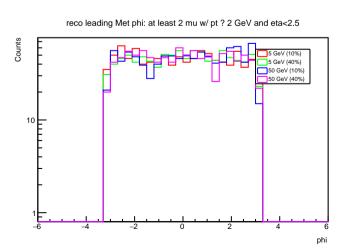




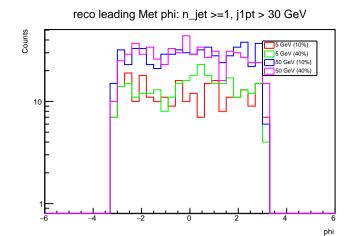


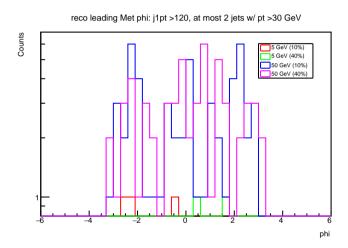


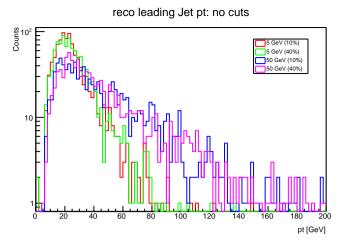


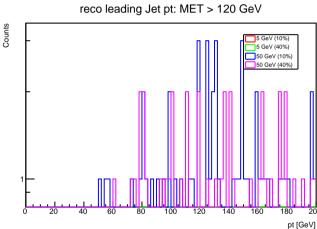


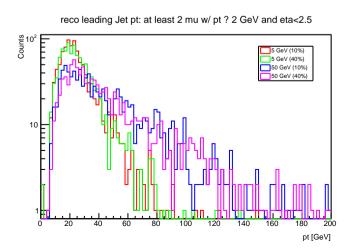
phi

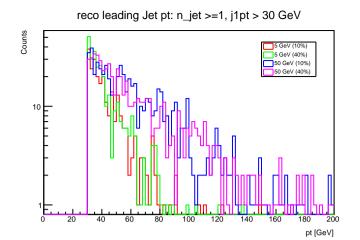


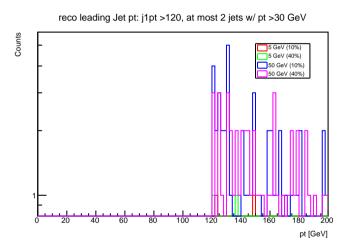


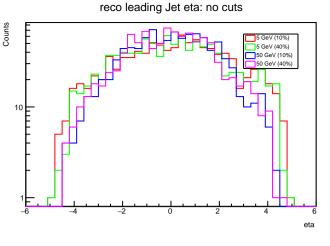


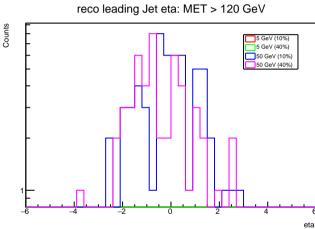


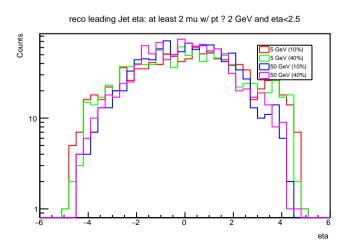


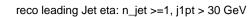


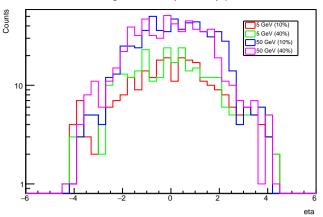




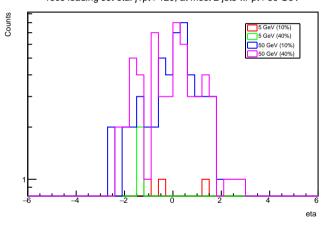


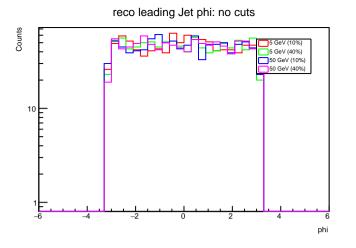


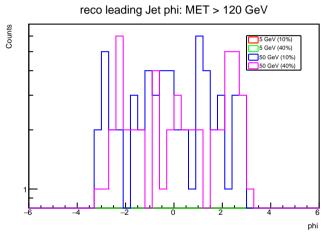


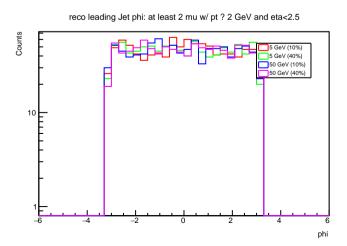


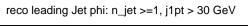
reco leading Jet eta: j1pt >120, at most 2 jets w/ pt >30 GeV

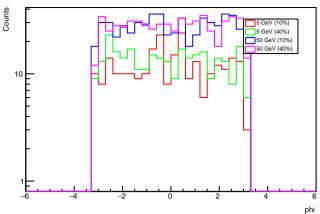




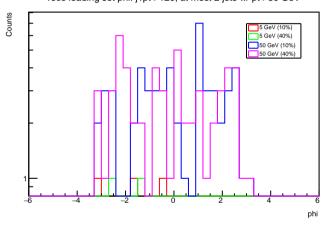


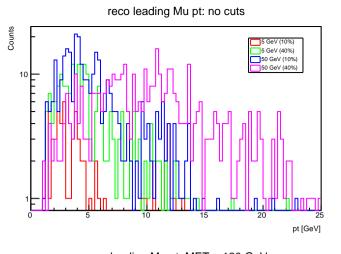


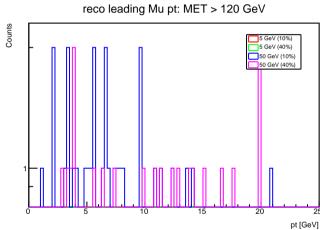


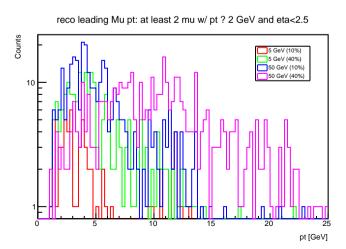


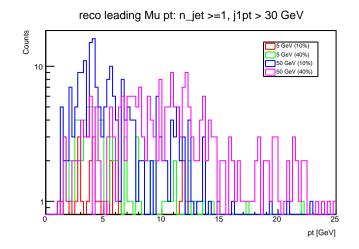
reco leading Jet phi: j1pt >120, at most 2 jets w/ pt >30 GeV

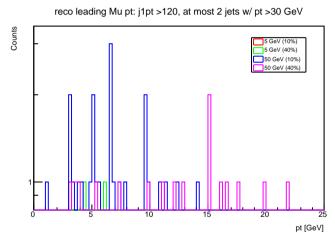


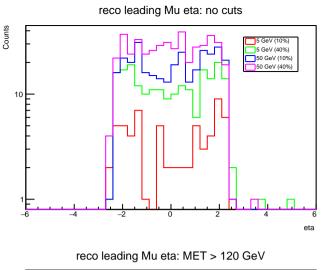


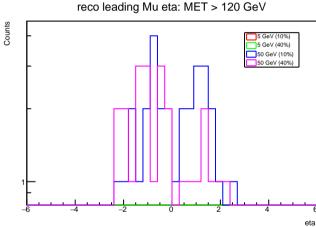


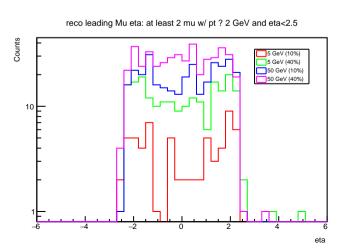


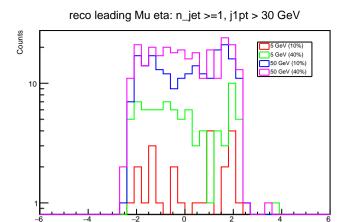




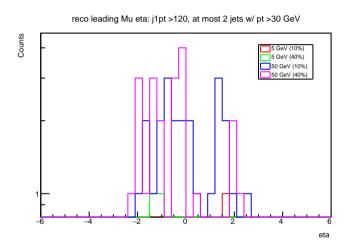


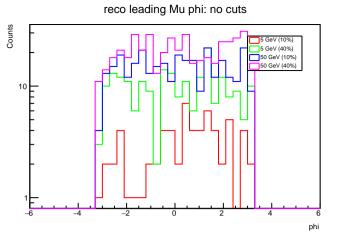


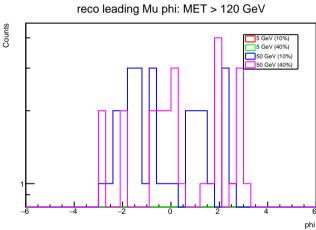


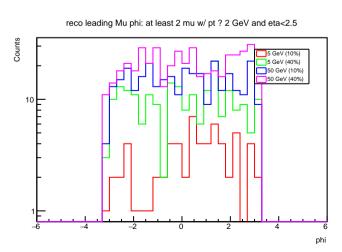


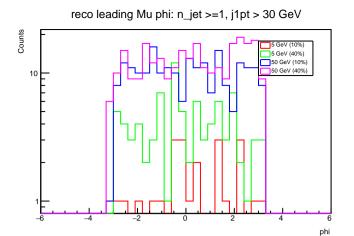
eta

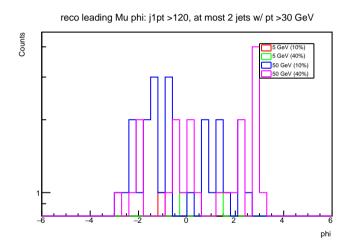


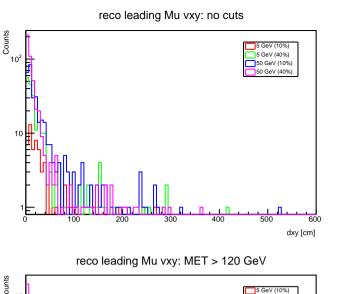


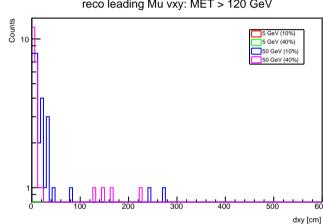


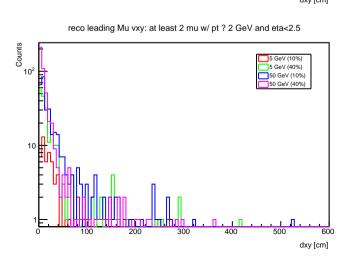


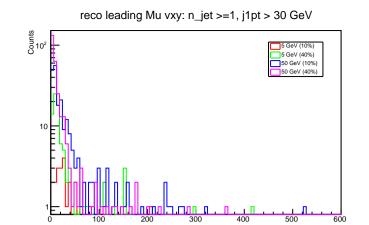


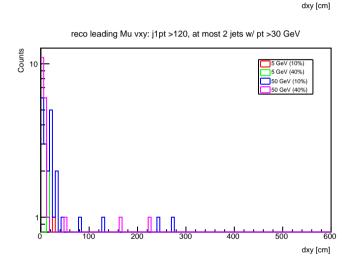


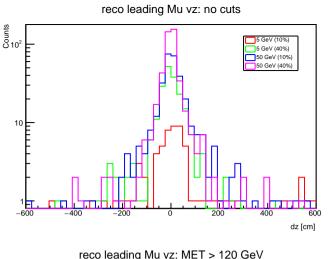


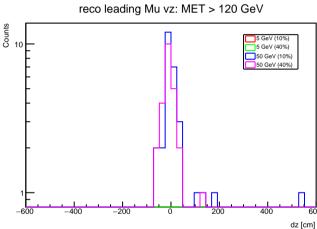


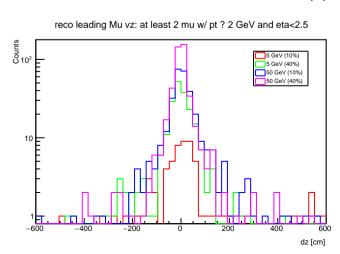


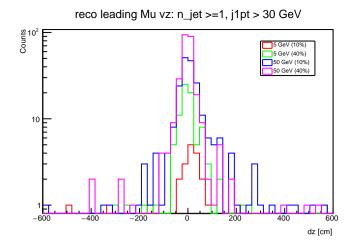


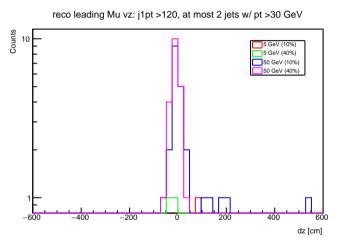


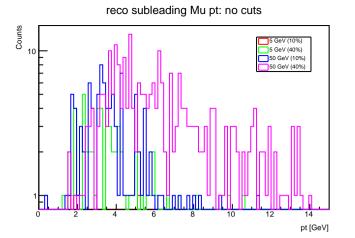


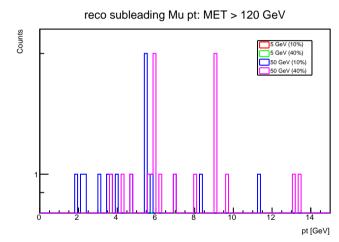


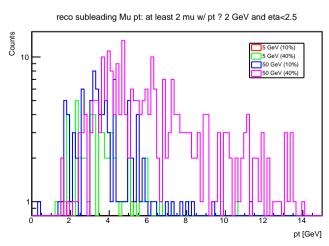


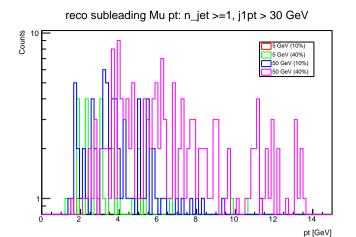


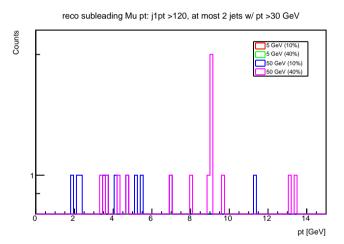


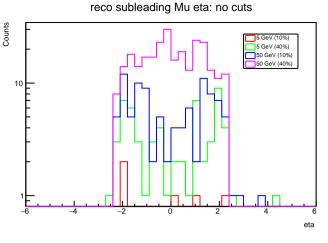


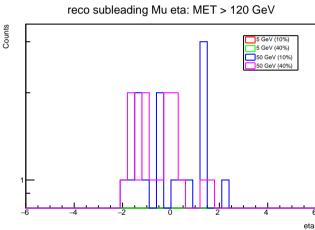


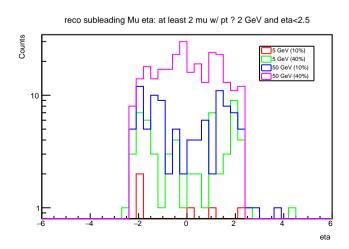


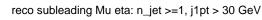


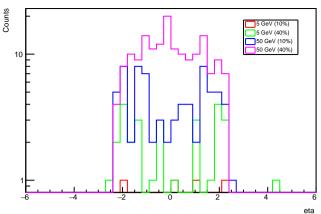




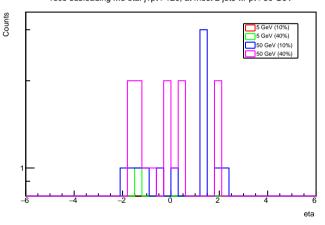


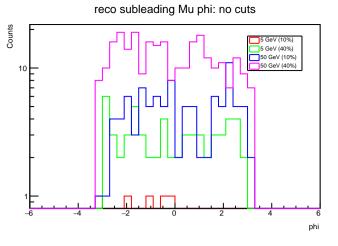


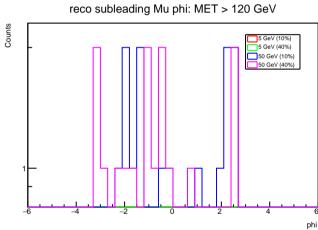


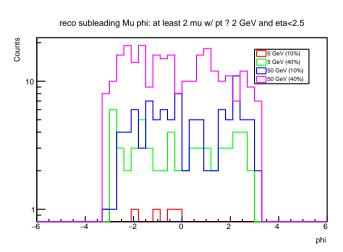


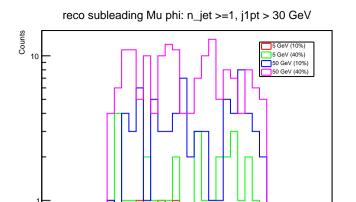
reco subleading Mu eta: j1pt >120, at most 2 jets w/ pt >30 GeV



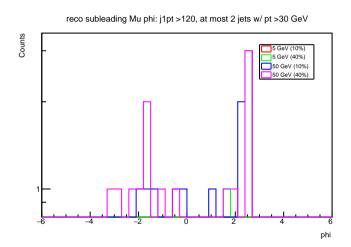


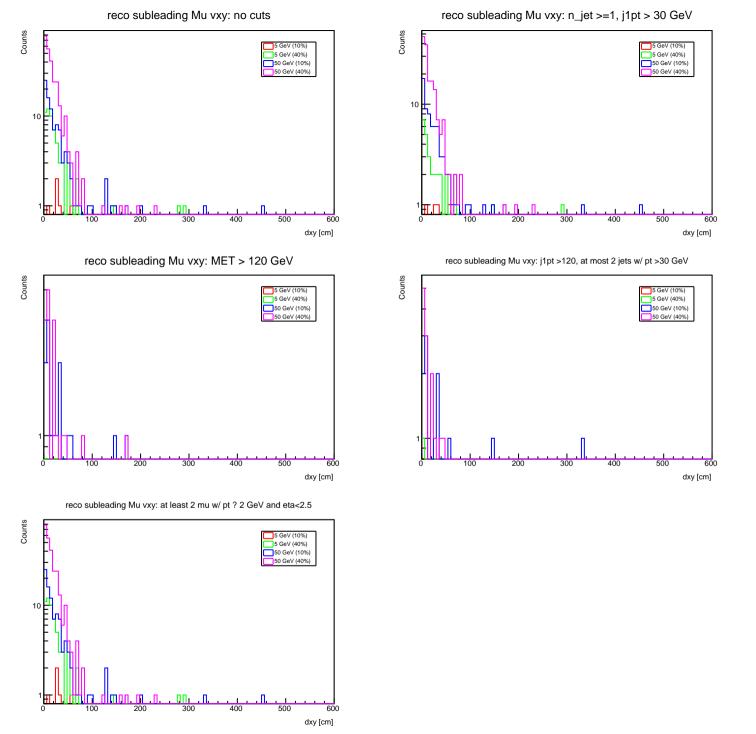


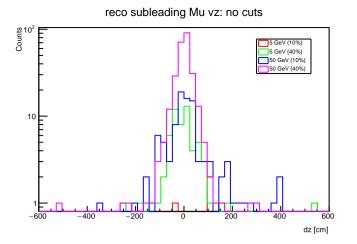


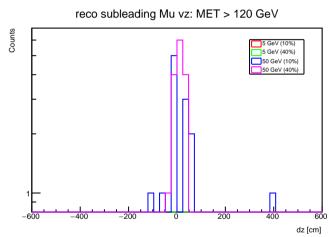


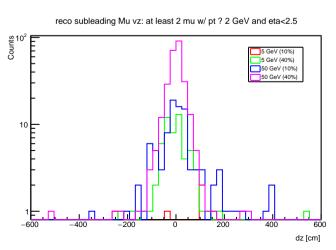
phi

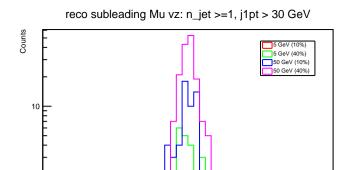






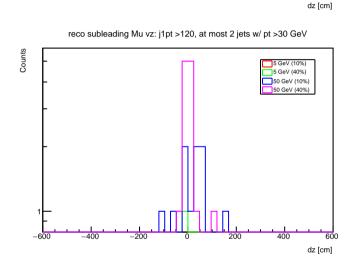






200

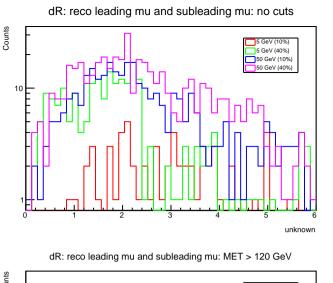
400

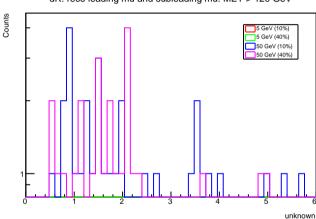


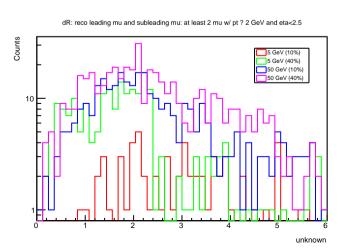
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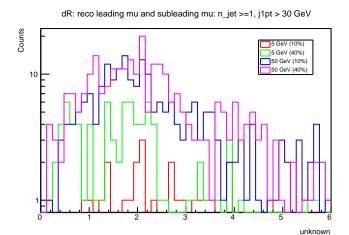
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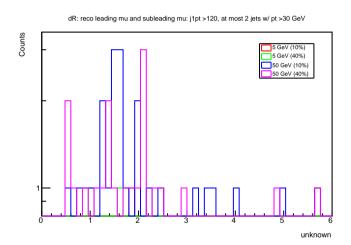
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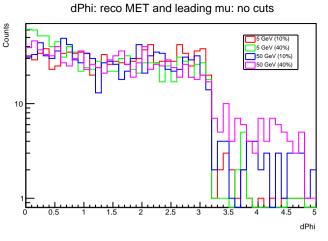


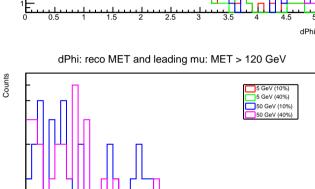


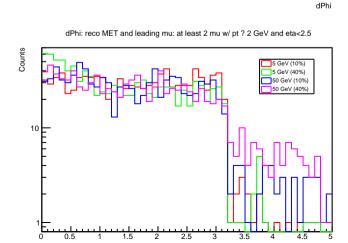




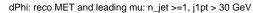


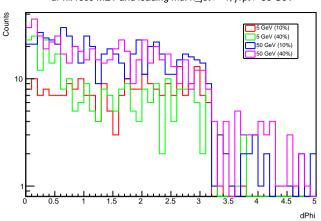




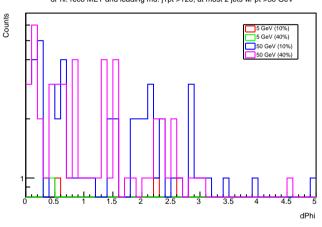


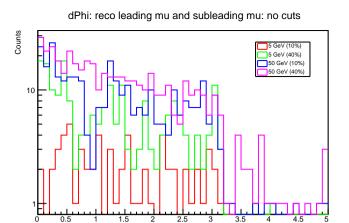
dPhi

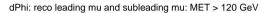




dPhi: reco MET and leading mu: j1pt >120, at most 2 jets w/ pt >30 GeV







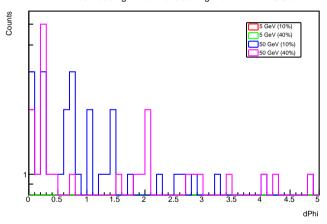
2.5

dPhi

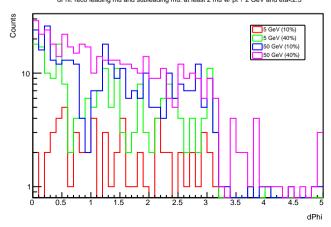
0.5

1.5

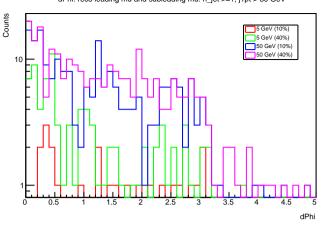
2



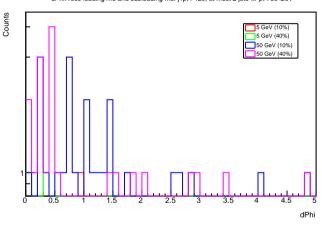
dPhi: reco leading mu and subleading mu: at least 2 mu w/ pt ? 2 GeV and eta<2.5

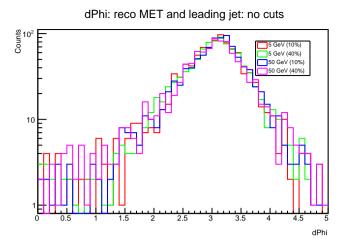


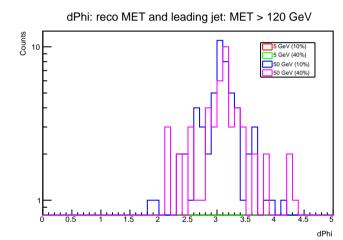
dPhi: reco leading mu and subleading mu: n_jet >=1, j1pt > 30 GeV

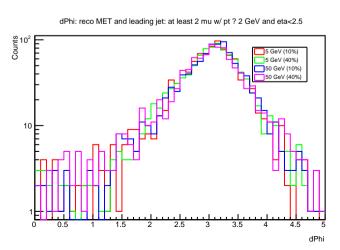


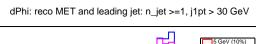
dPhi: reco leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

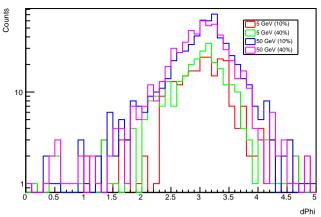




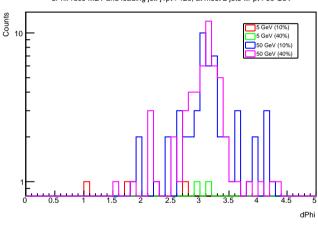


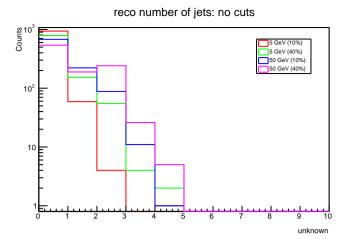


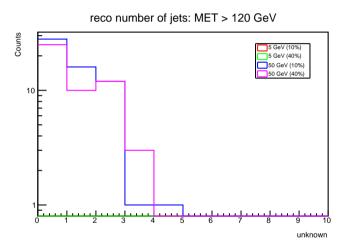


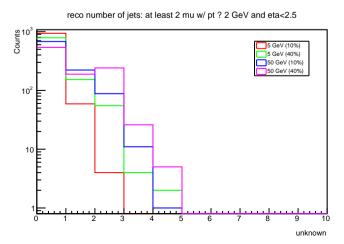


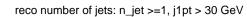
dPhi: reco MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV

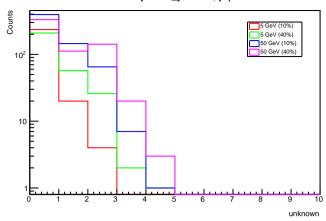




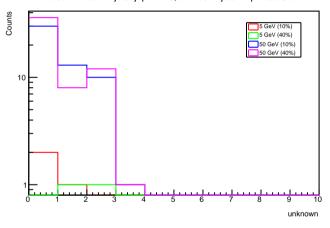


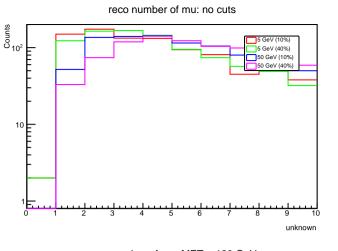


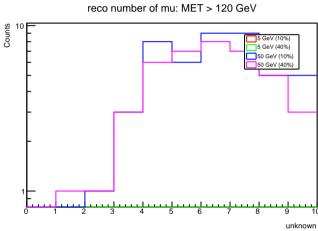


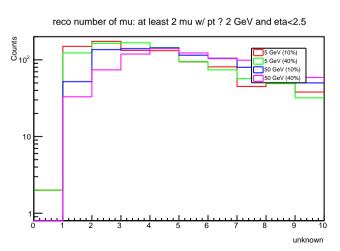


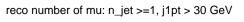
reco number of jets: j1pt >120, at most 2 jets w/ pt >30 GeV

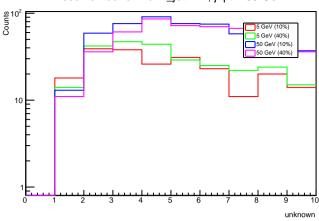




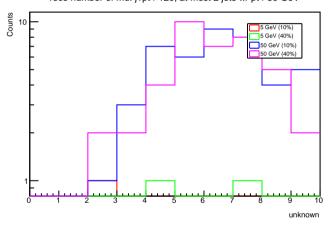


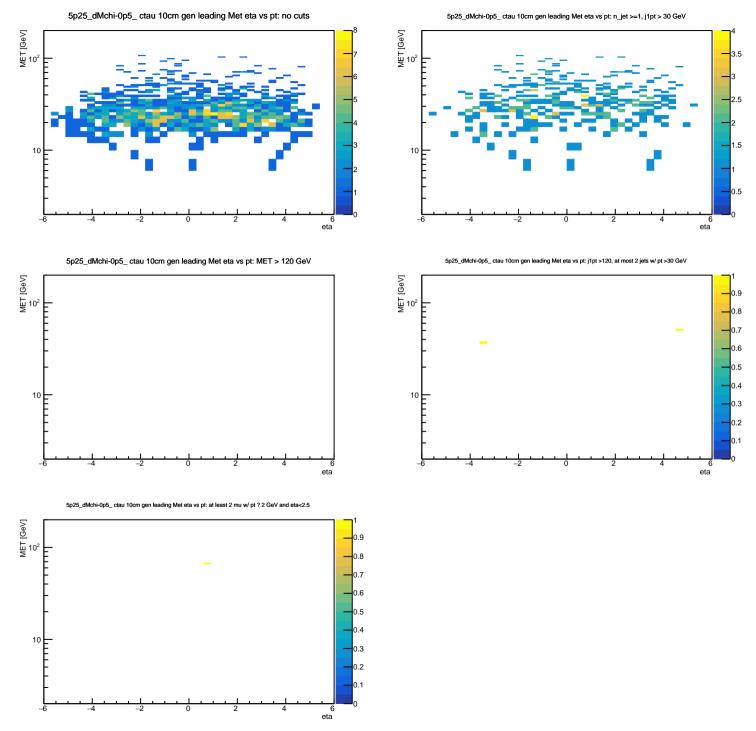


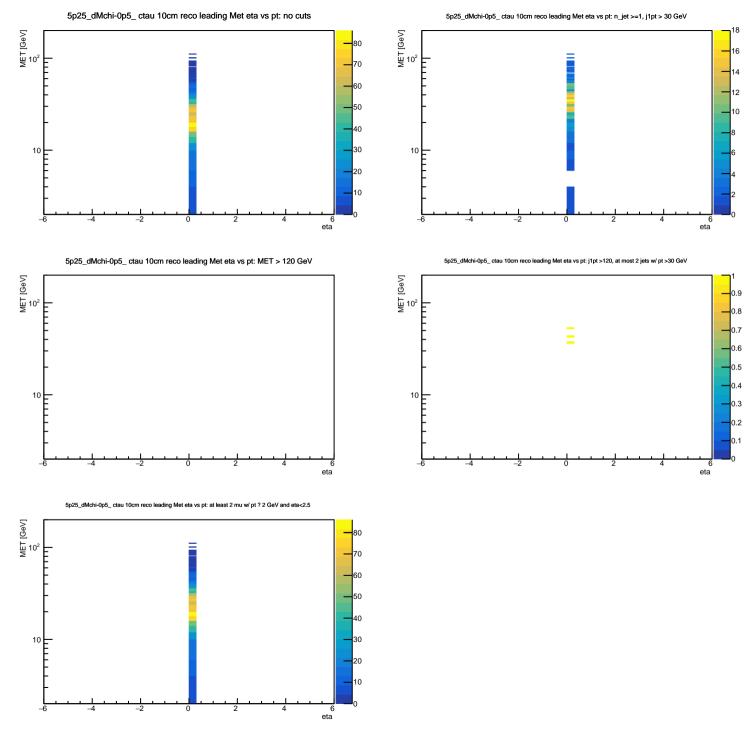


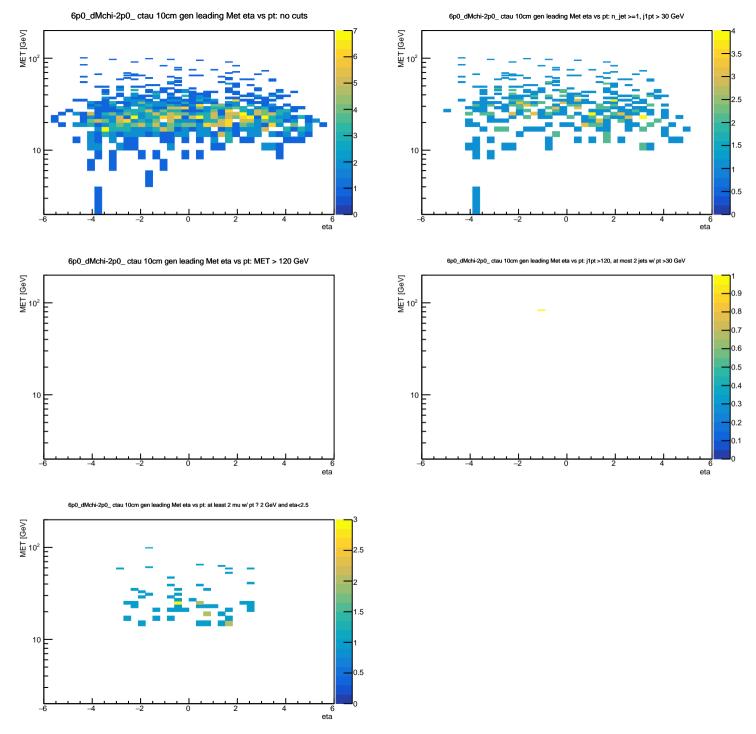


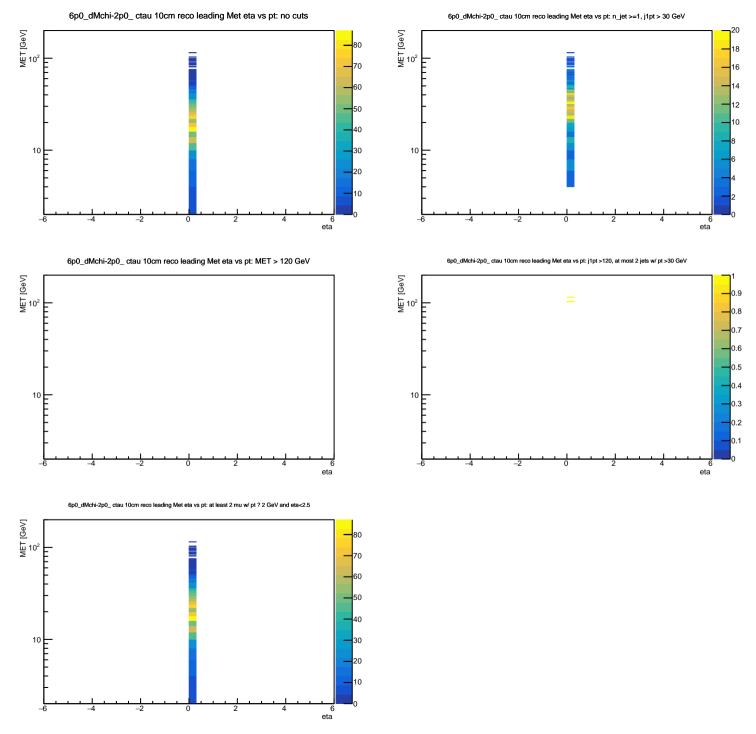
reco number of mu: j1pt >120, at most 2 jets w/ pt >30 GeV

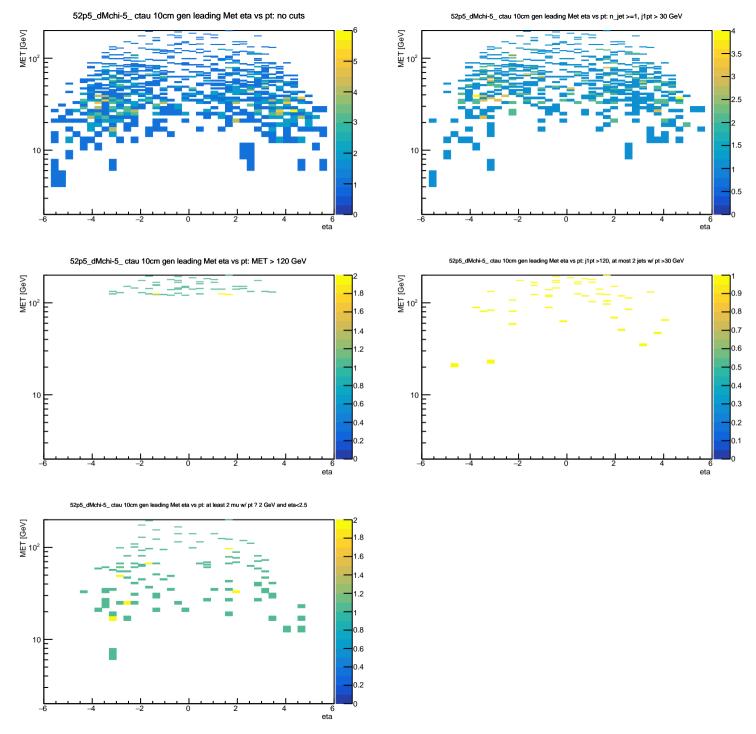


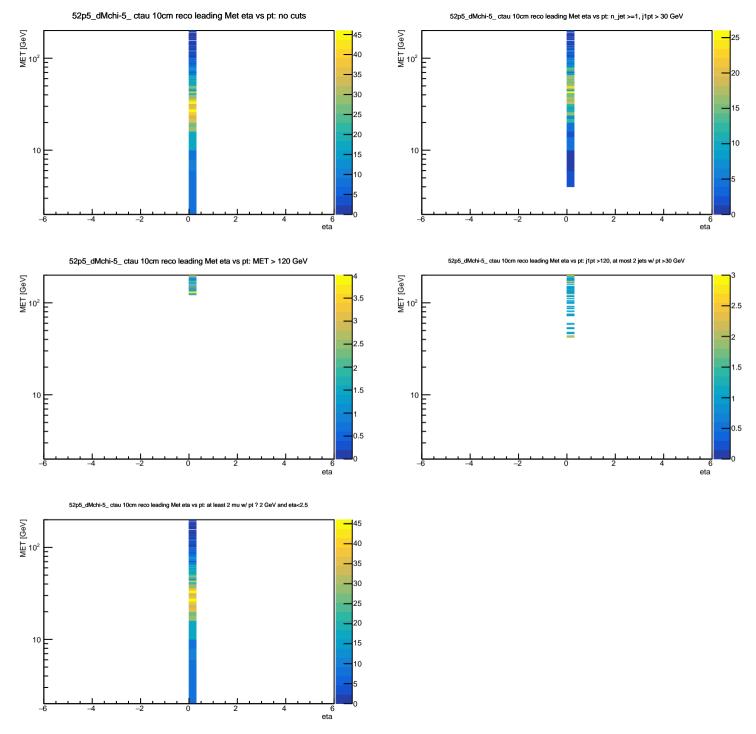


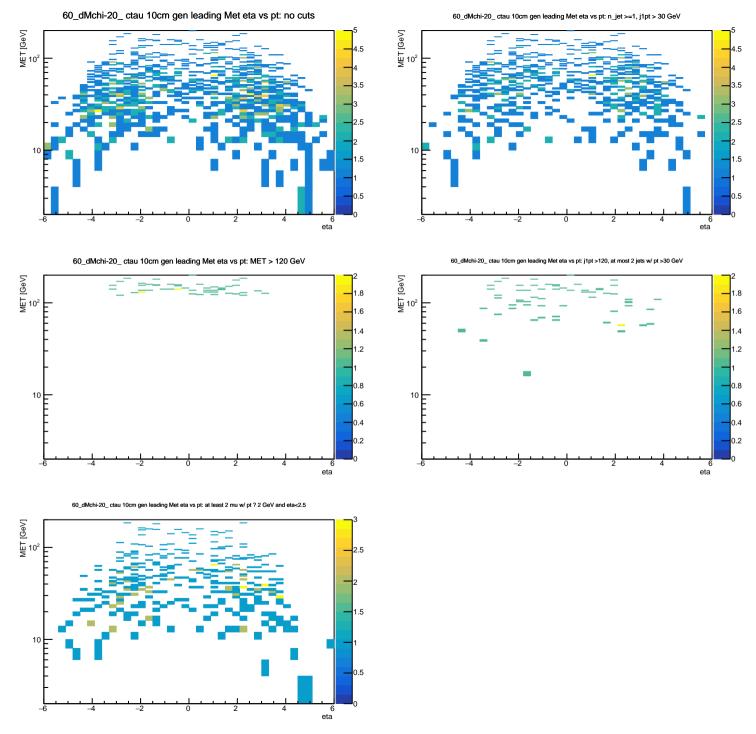


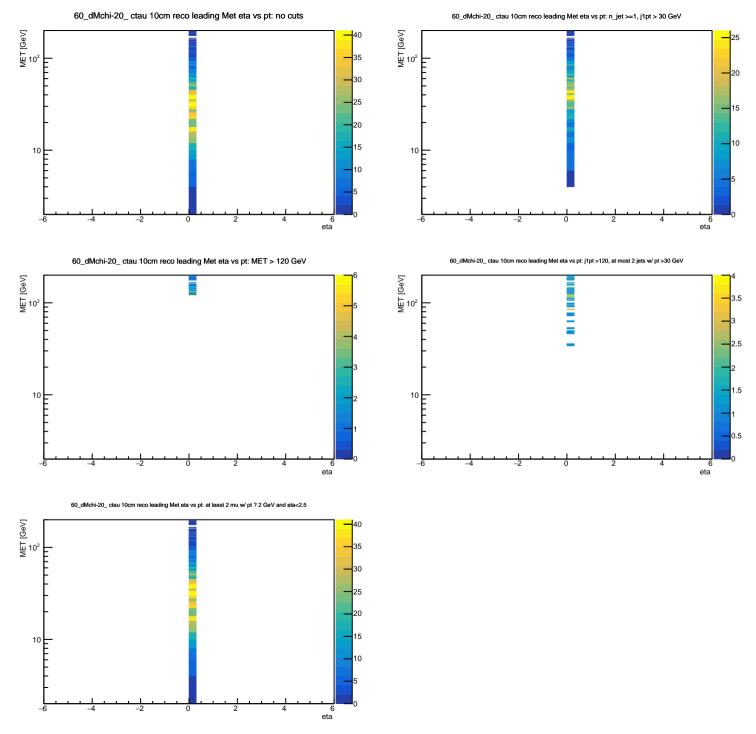






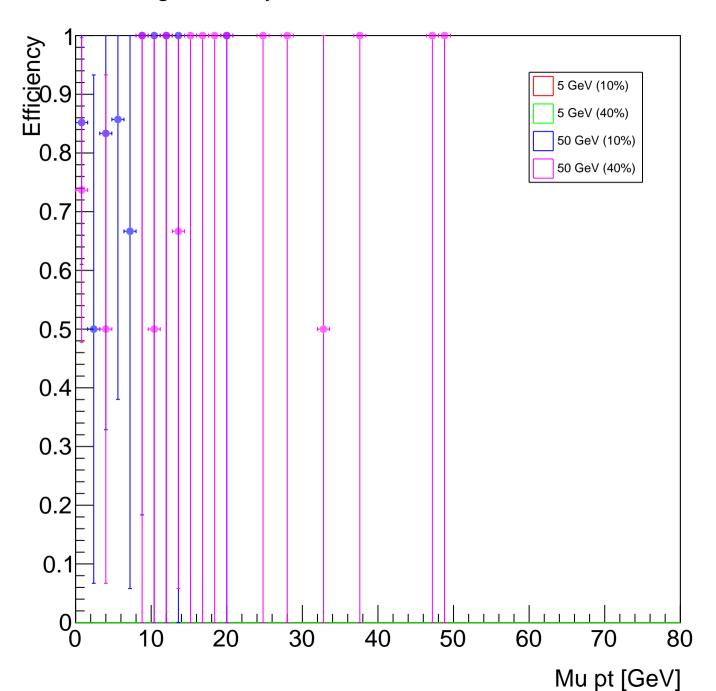


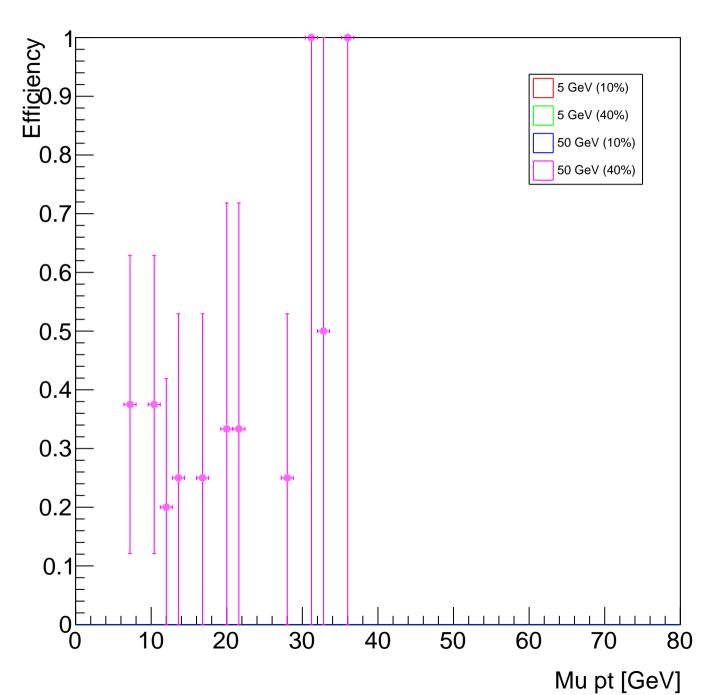


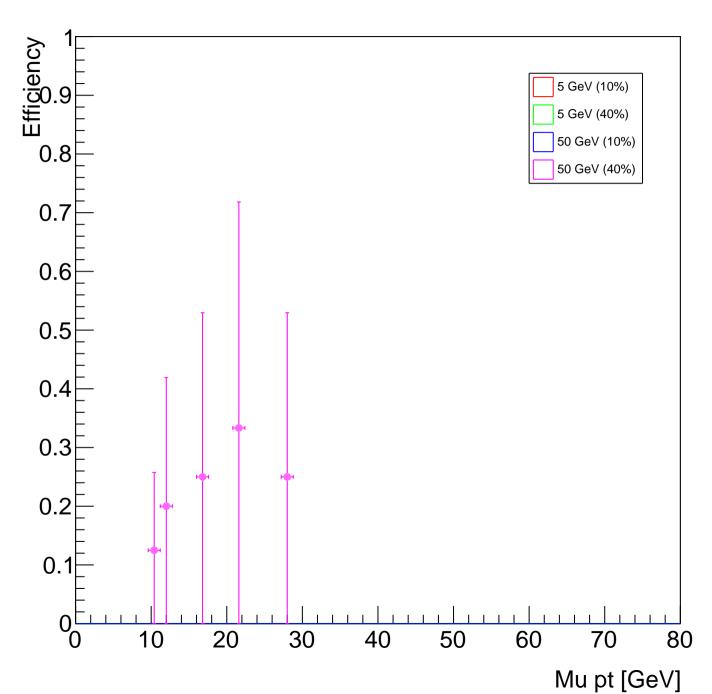




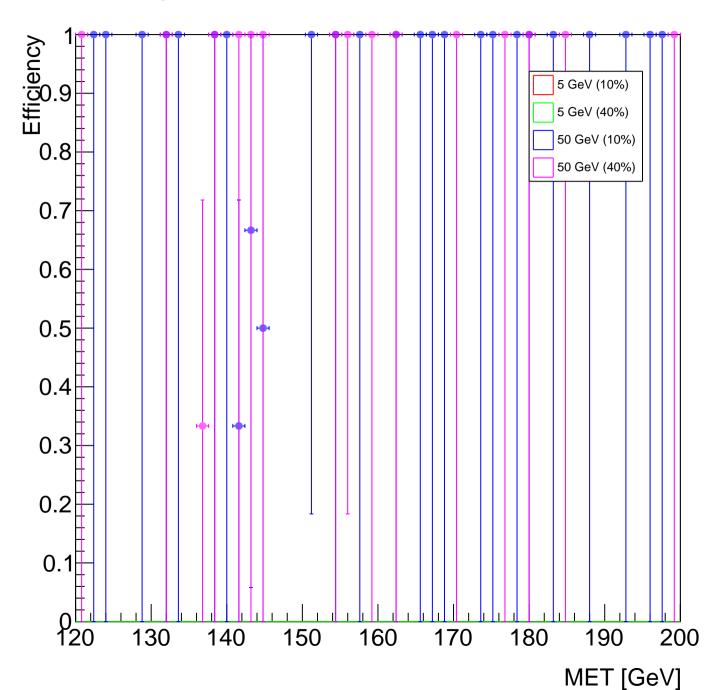
trigefficiency HLT_PFMET120_PFMHT120

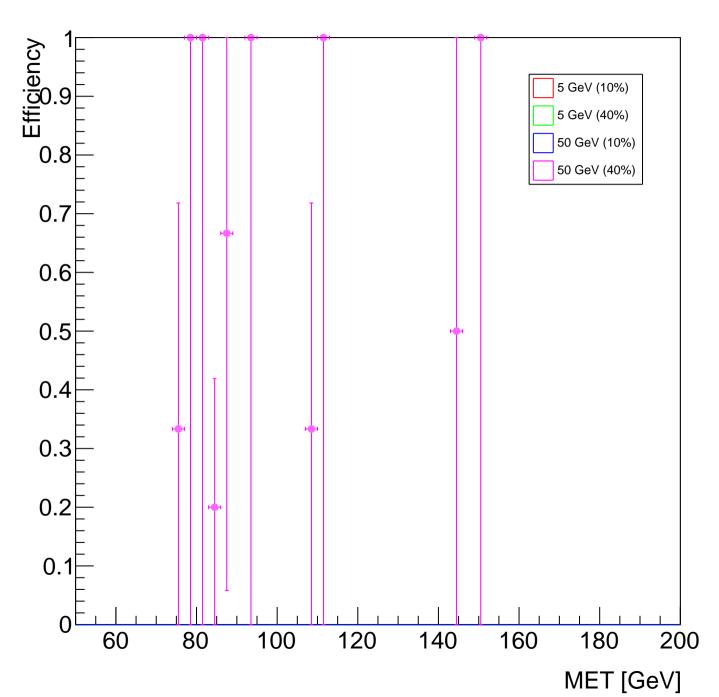




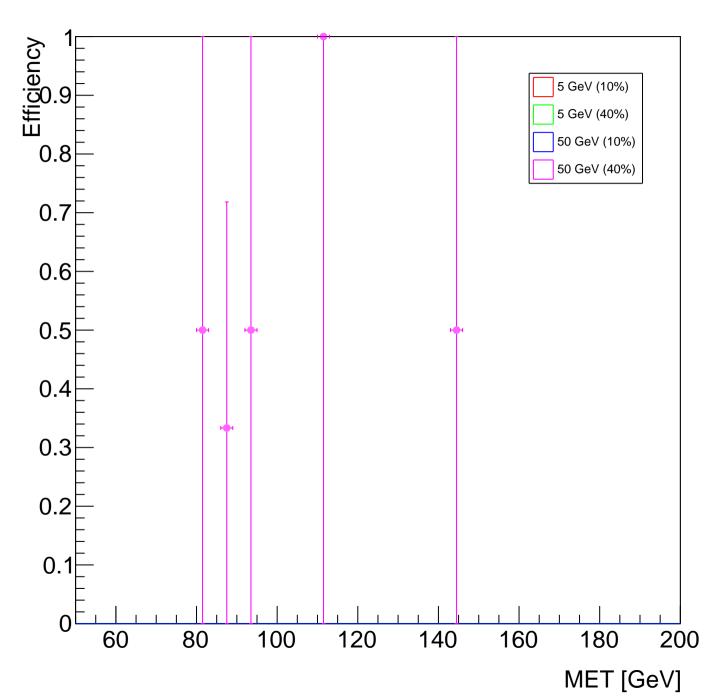


trigefficiency HLT_PFMET120_PFMHT120

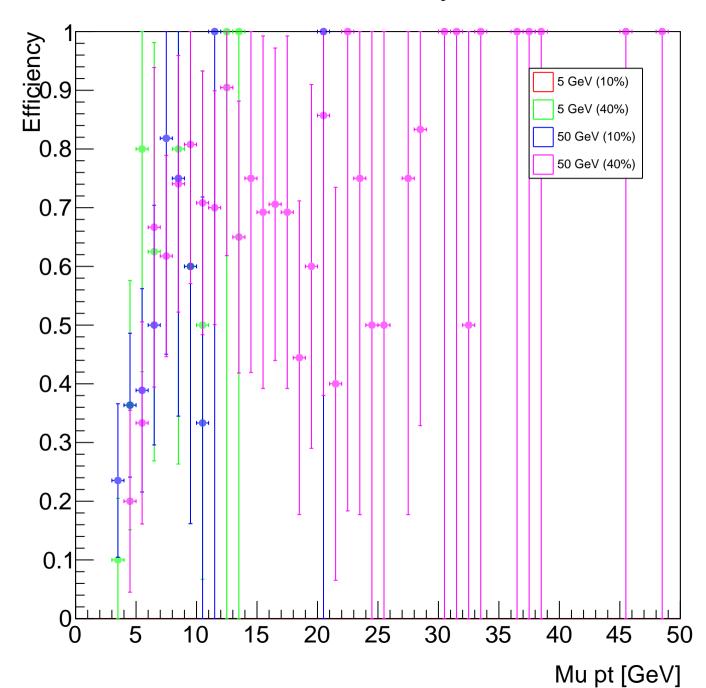




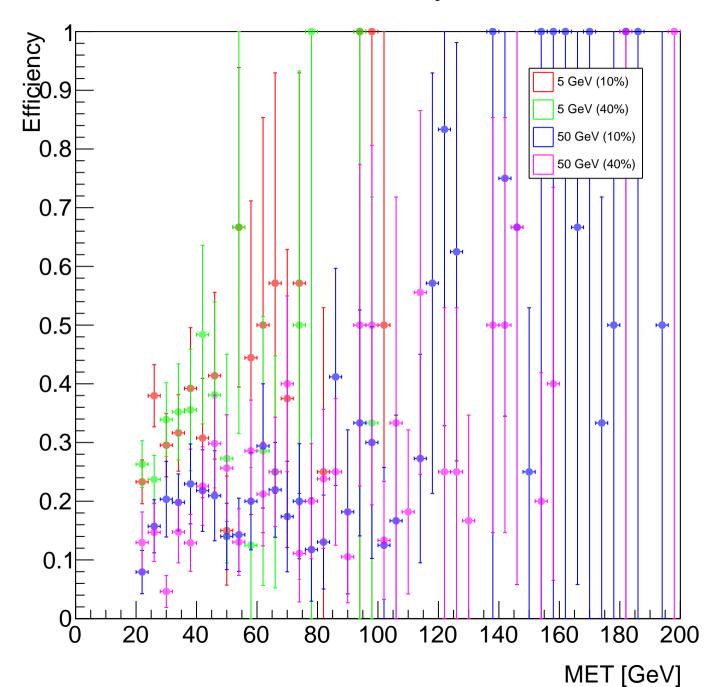
trigefficiency HLT_DoubleMu3_DZ_PFMET50_PFMHT60



recoefficiency mu



recoefficiency met



recoefficiency met

