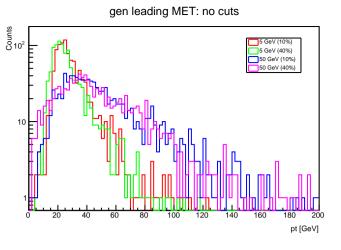
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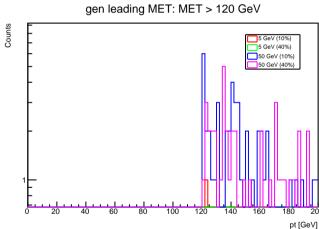
nevents 5 GeV (10%): 1000(c1:364,c2:1,c3:2,c4:1)

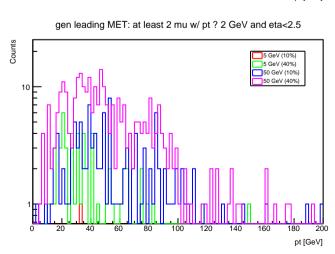
nevents 5 GeV (40%): 1000(c1:369,c2:1,c3:4,c4:55)

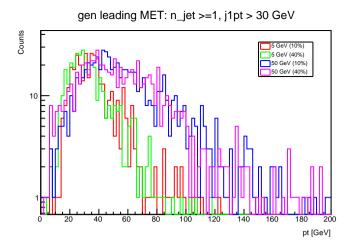
nevents 50 GeV (10%): 1000(c1:708,c2:59,c3:69,c4:121)

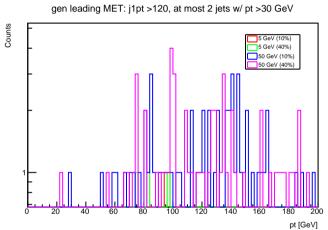
nevents 50 GeV (40%): 1000(c1:711,c2:50,c3:64,c4:308)

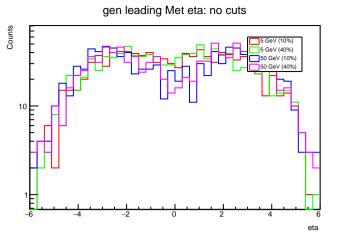


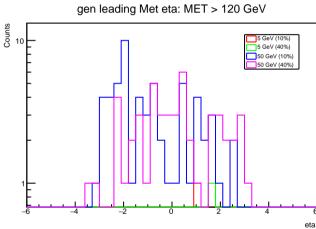


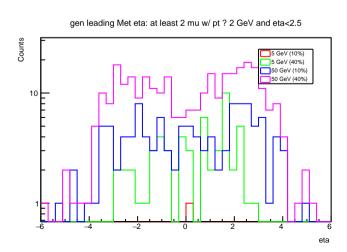




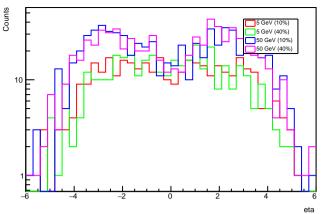




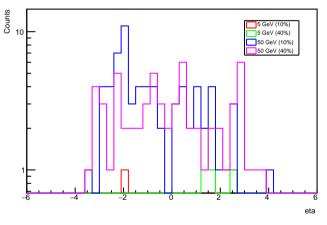


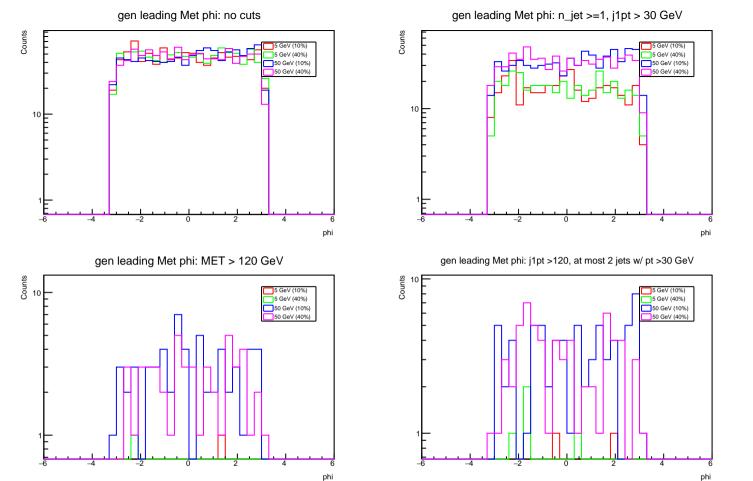


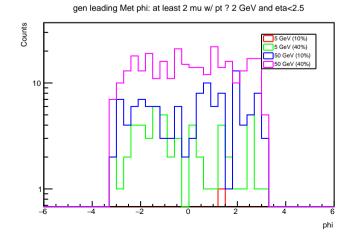


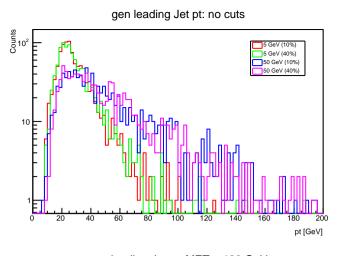


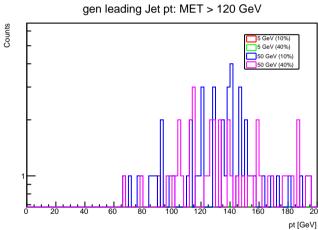
gen leading Met eta: j1pt >120, at most 2 jets w/ pt >30 GeV

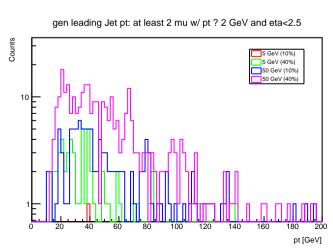


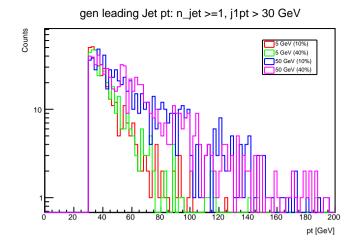


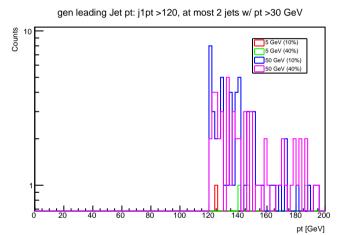


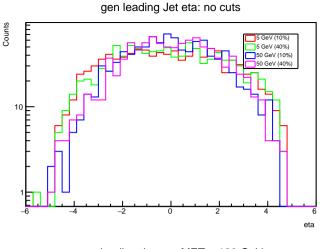


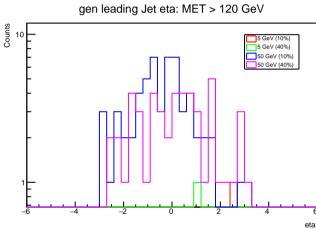


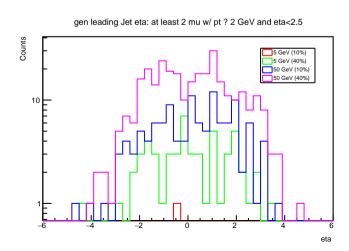




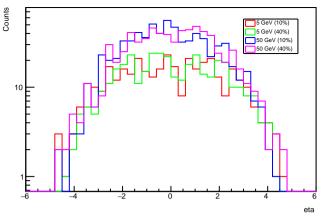




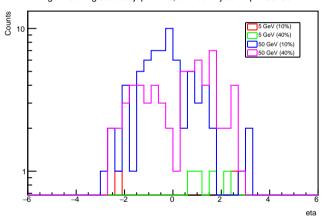


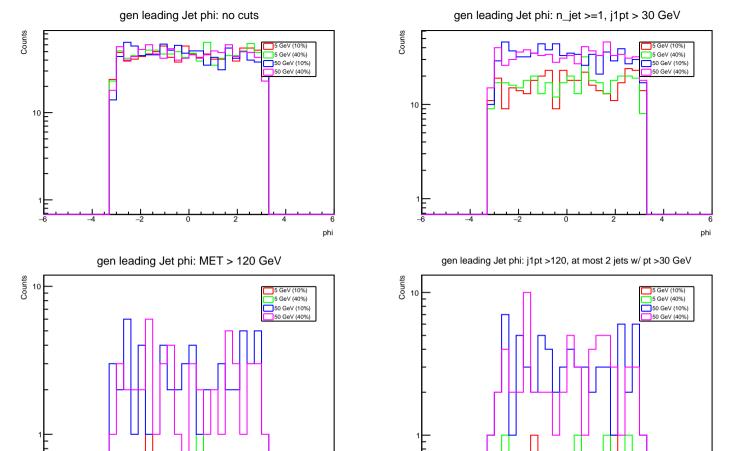




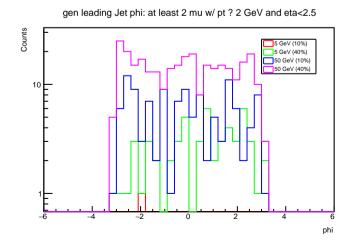


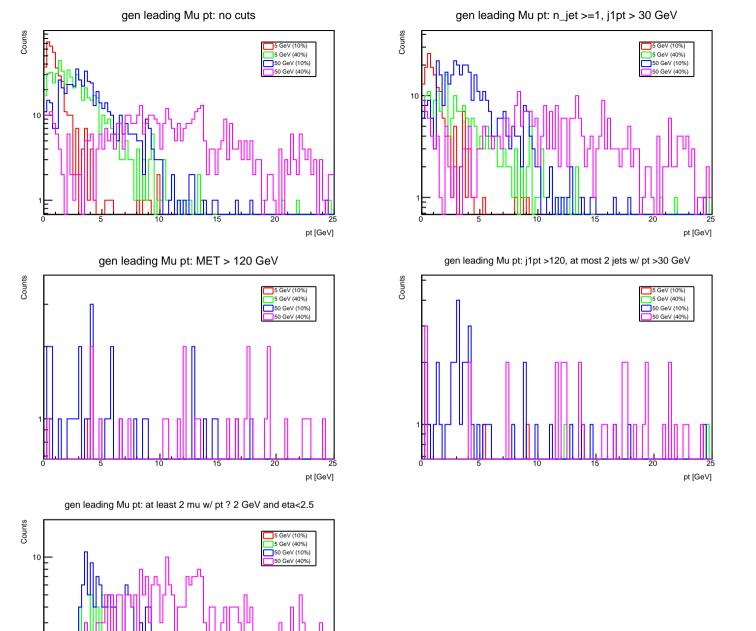
gen leading Jet eta: j1pt >120, at most 2 jets w/ pt >30 GeV



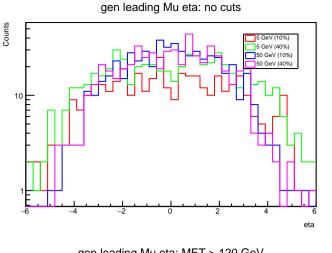


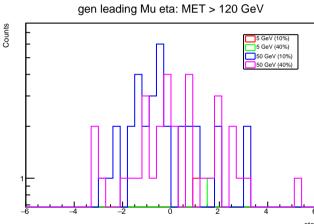
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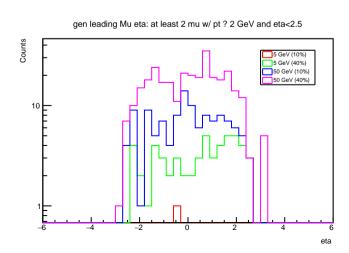


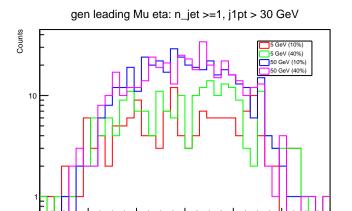


pt [GeV]

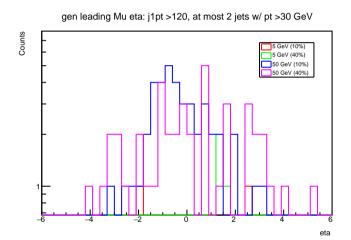


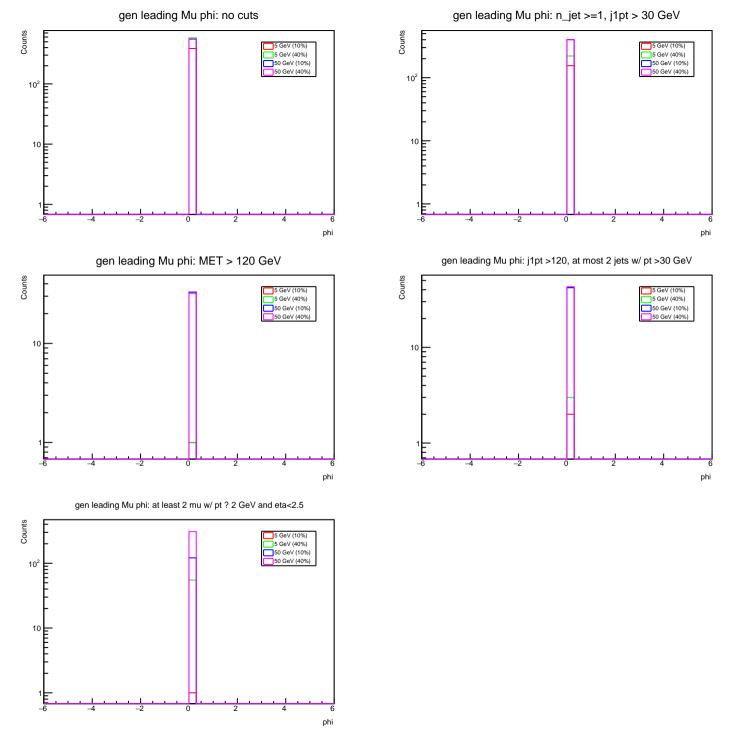


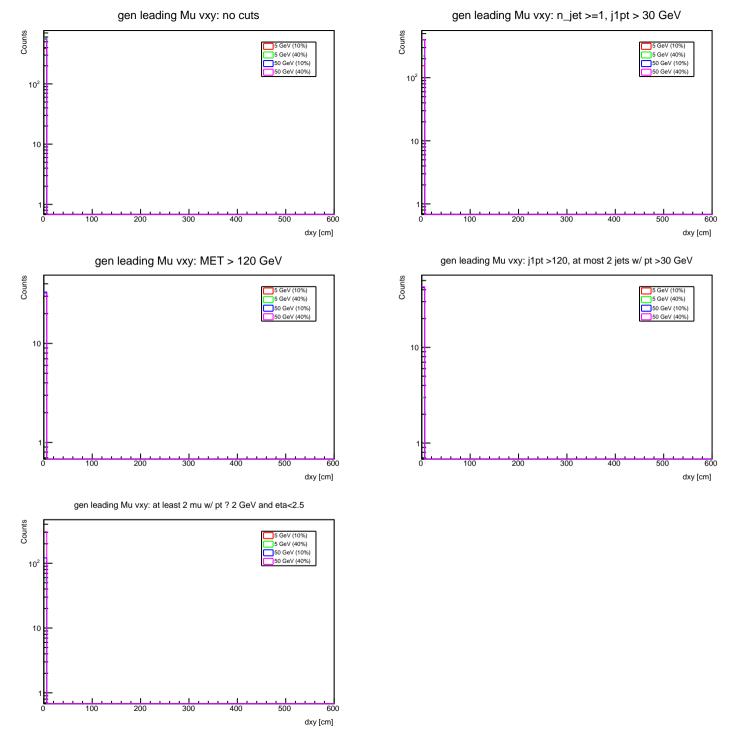


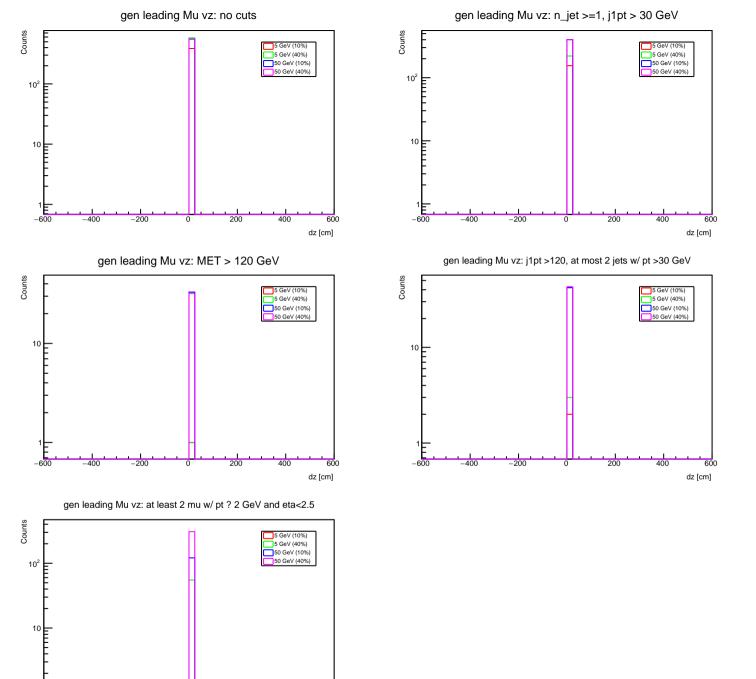


eta









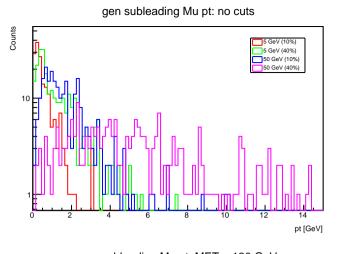
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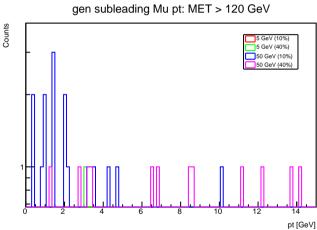
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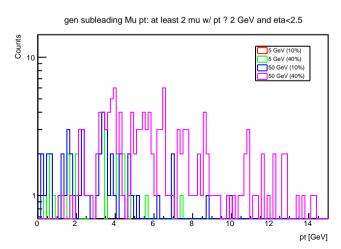
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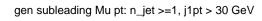
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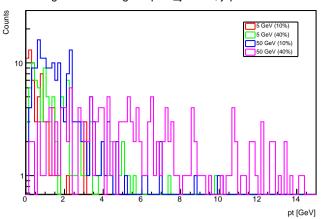
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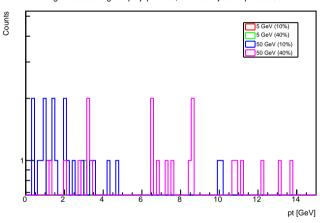


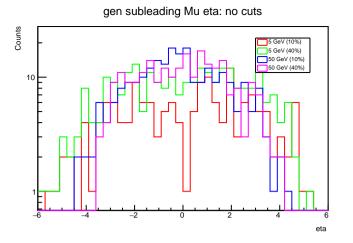


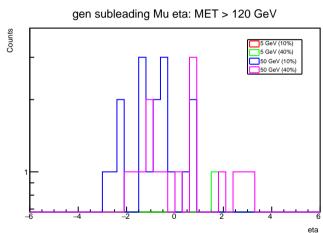


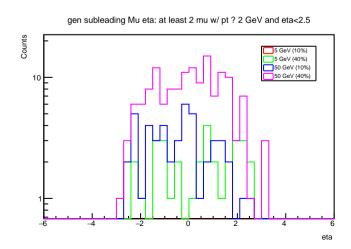


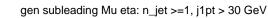
gen subleading Mu pt: j1pt >120, at most 2 jets w/ pt >30 GeV

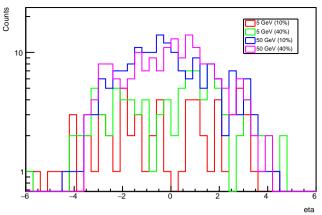




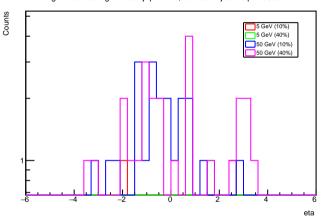


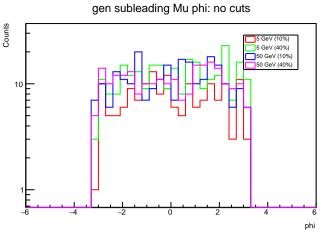


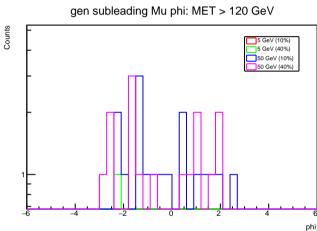


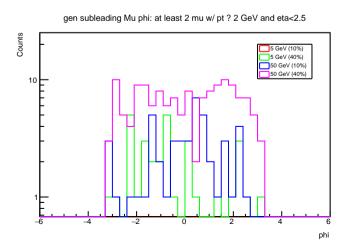


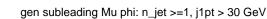
gen subleading Mu eta: j1pt >120, at most 2 jets w/ pt >30 GeV

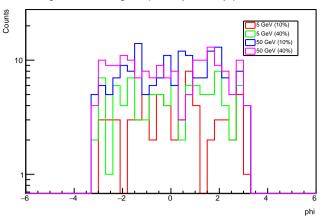




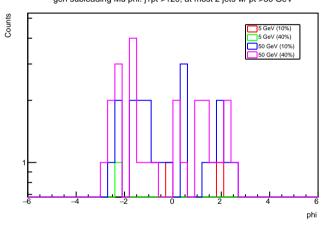


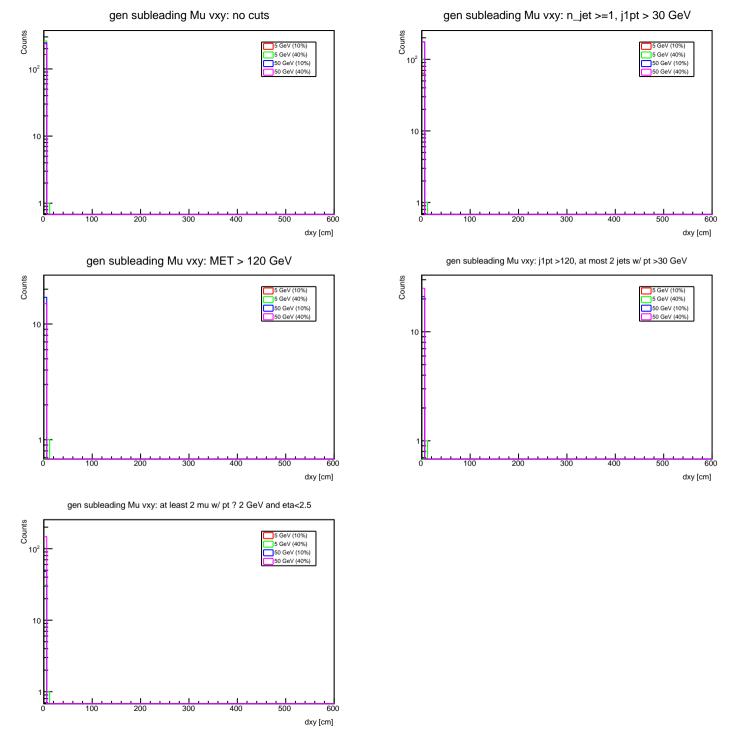


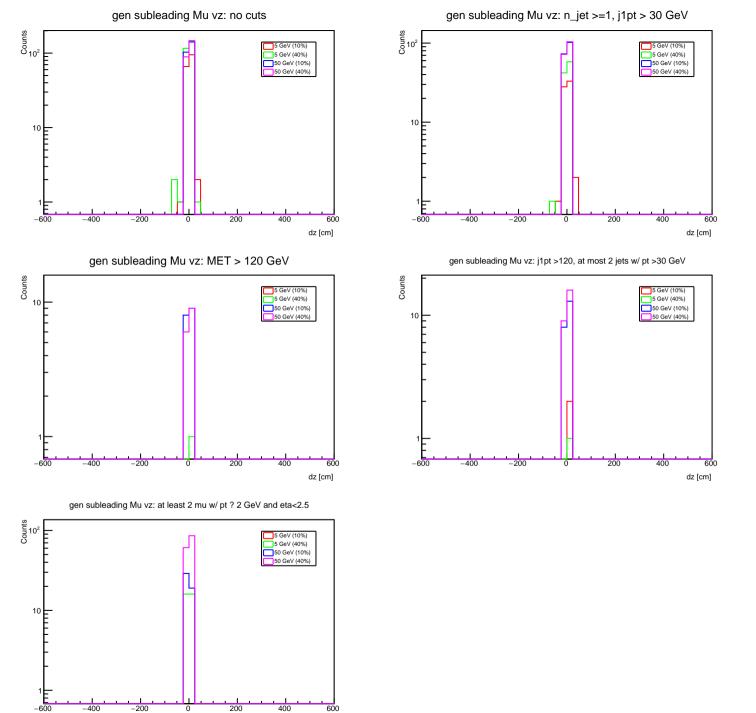




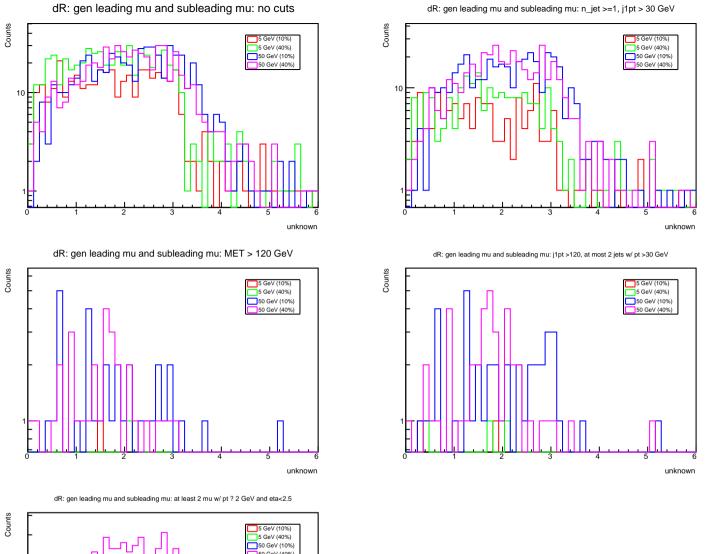
gen subleading Mu phi: j1pt >120, at most 2 jets w/ pt >30 GeV

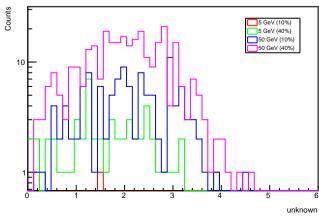


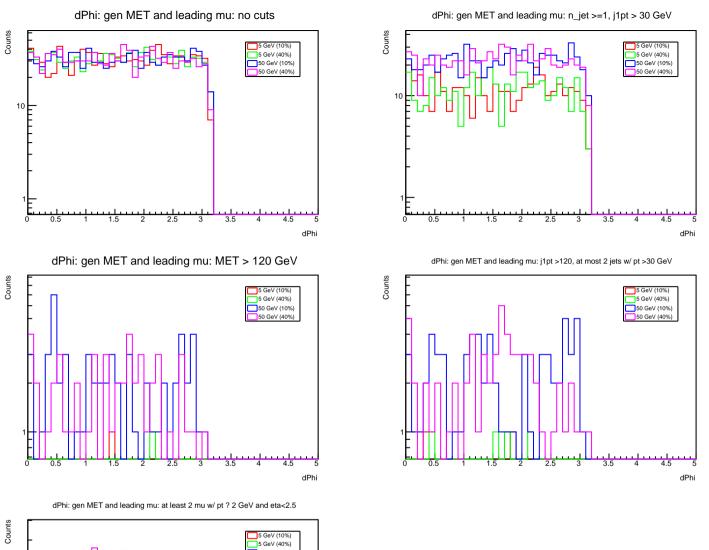


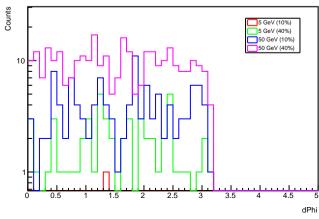


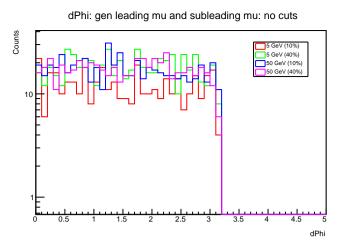
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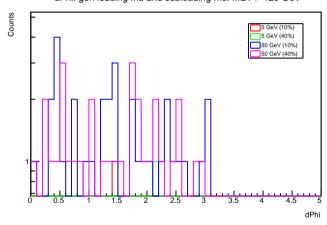




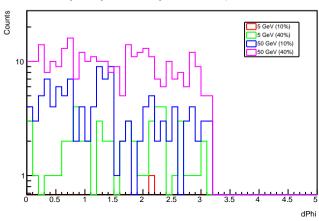




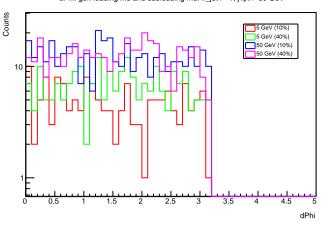




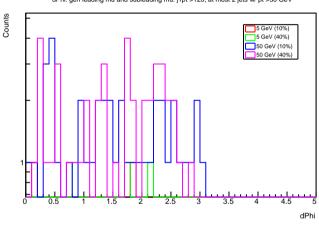
dPhi: gen leading mu and subleading mu: at least 2 mu w/ pt ? 2 GeV and eta<2.5

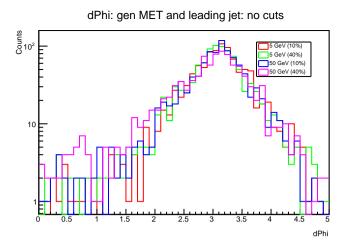


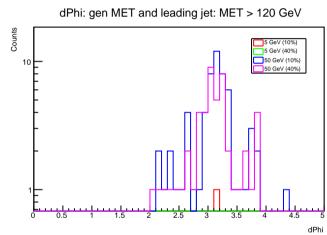


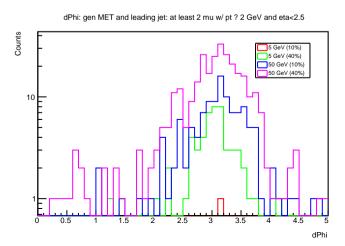


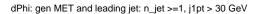
dPhi: gen leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

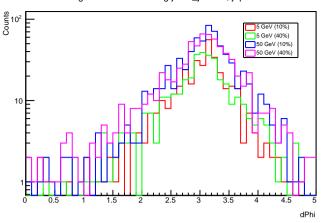




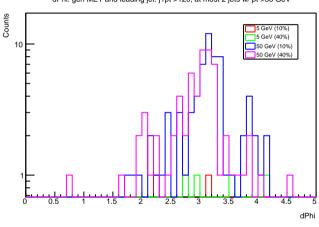


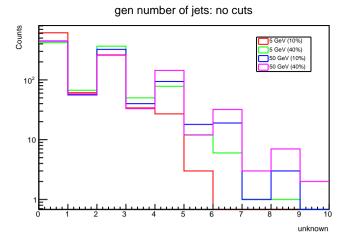


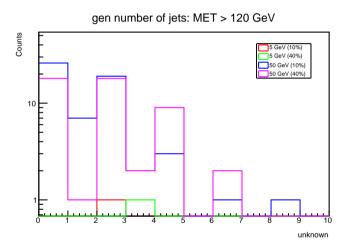


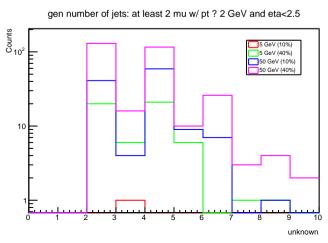


dPhi: gen MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV

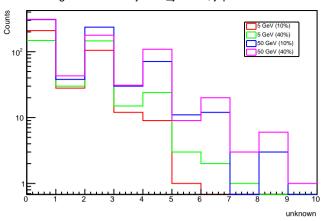




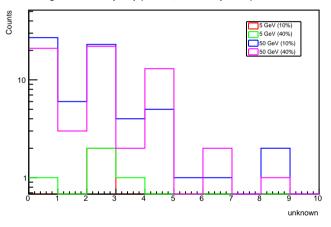


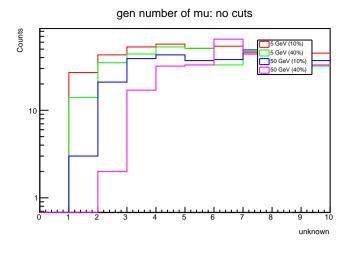


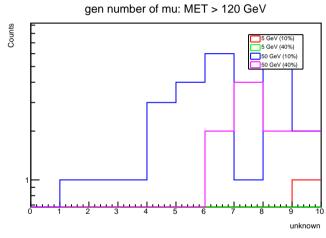


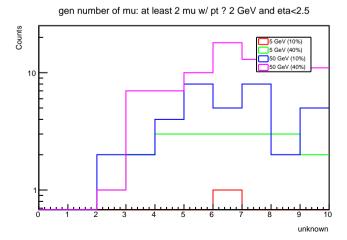


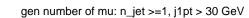
gen number of jets: j1pt >120, at most 2 jets w/ pt >30 GeV

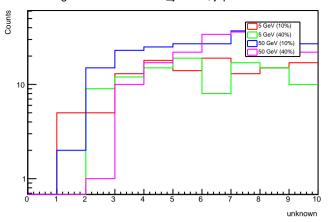




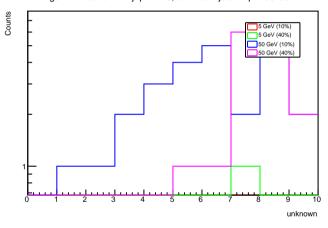


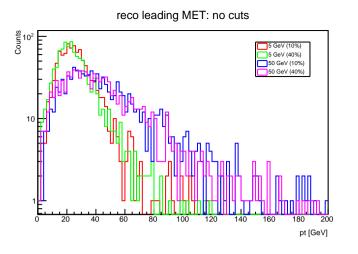


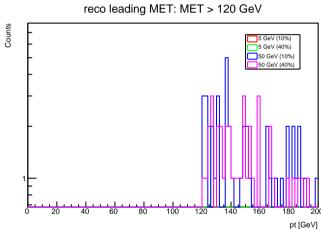


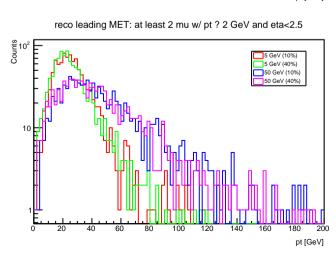


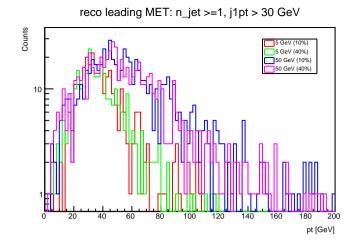
gen number of mu: j1pt >120, at most 2 jets w/ pt >30 GeV

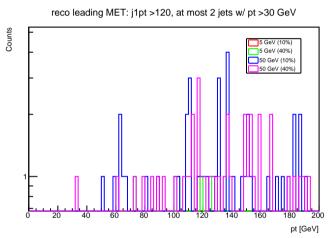


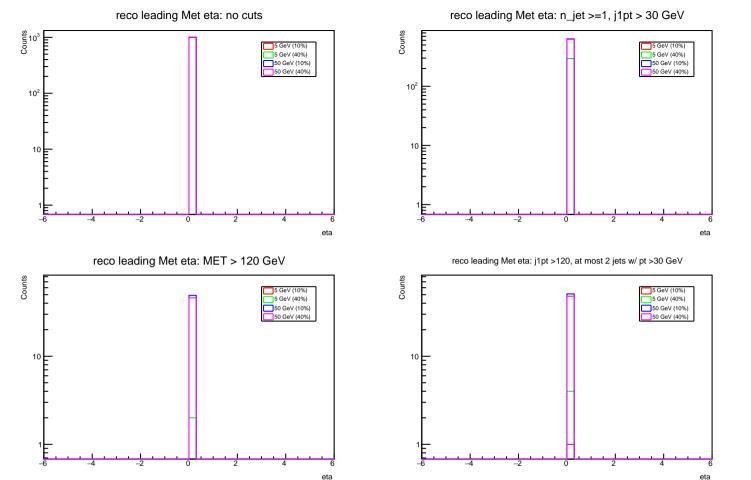


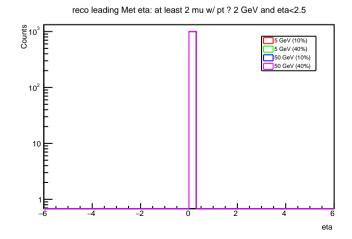


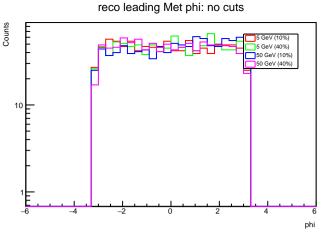


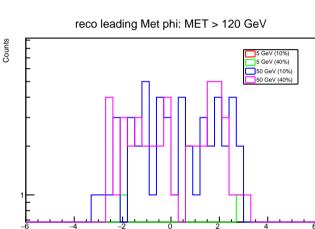


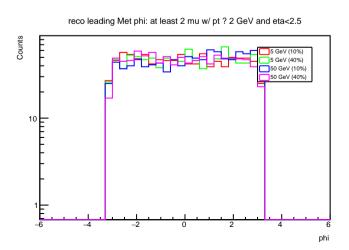




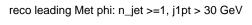


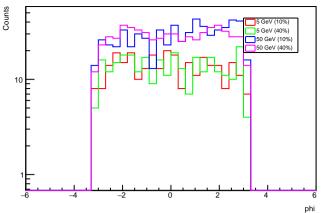




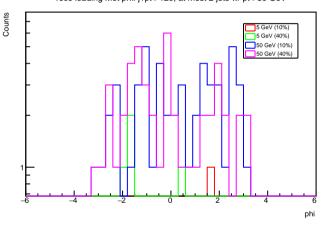


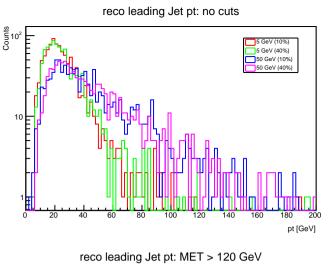
phi

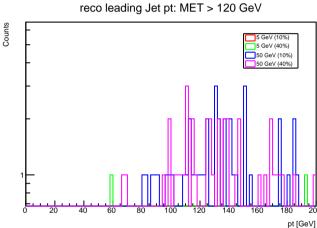


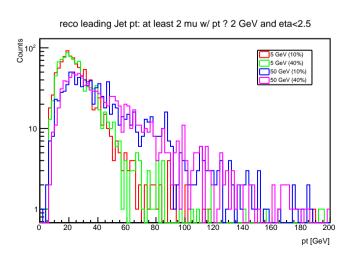


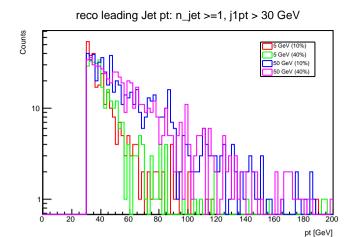
reco leading Met phi: j1pt >120, at most 2 jets w/ pt >30 GeV

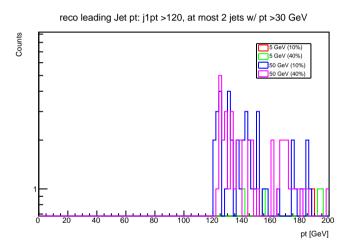


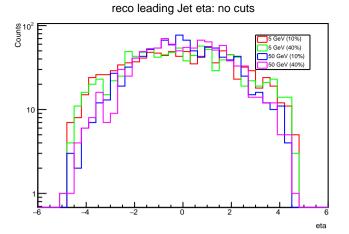


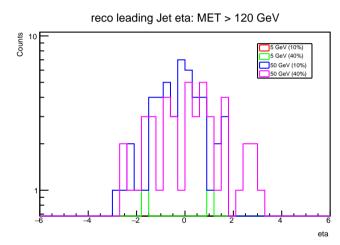


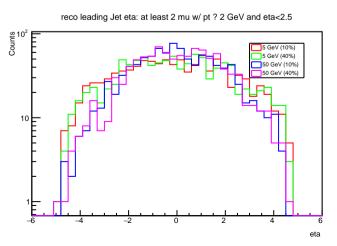




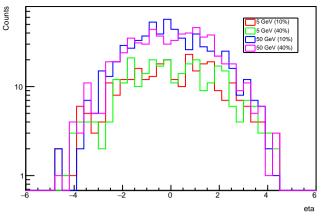




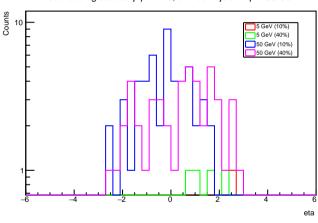


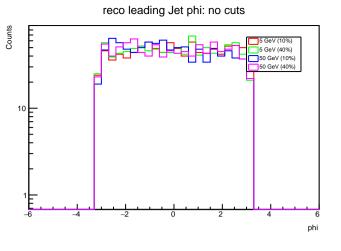


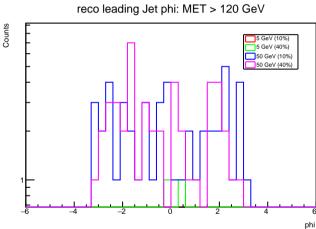


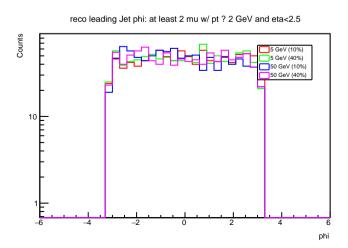


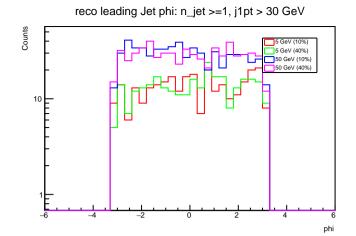
reco leading Jet eta: j1pt >120, at most 2 jets w/ pt >30 GeV

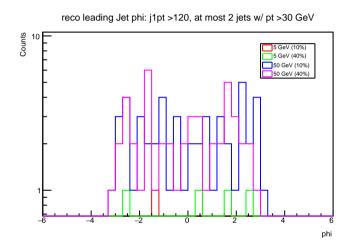


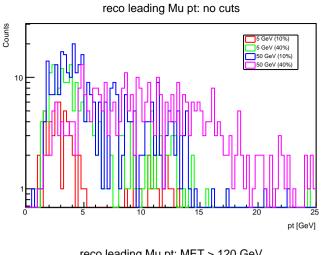


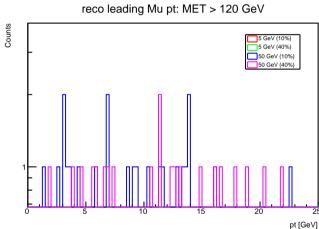


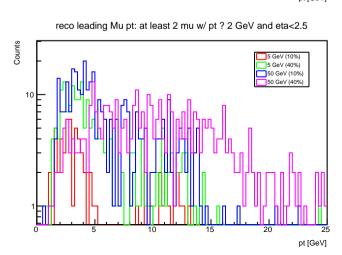


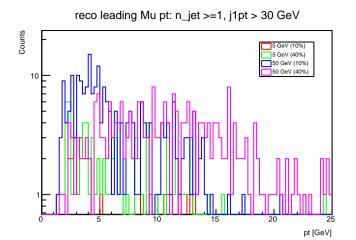


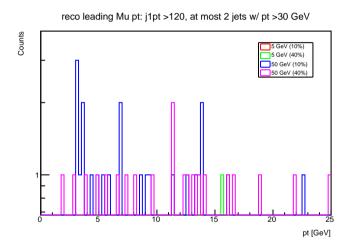


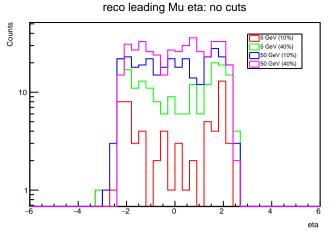


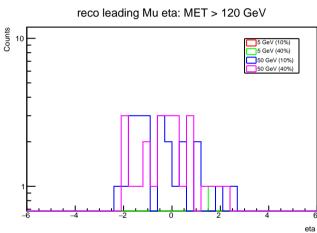


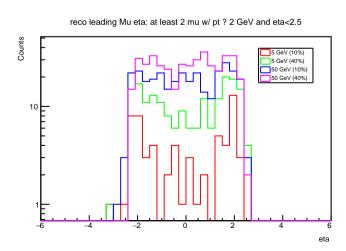


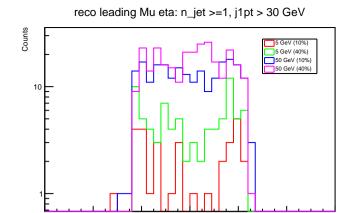




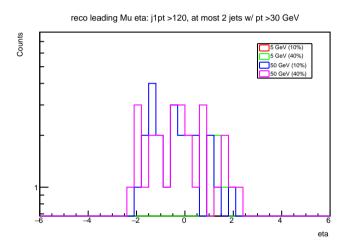


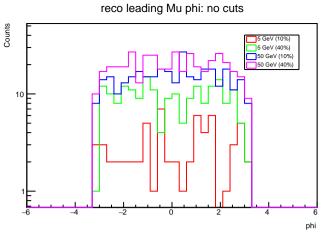


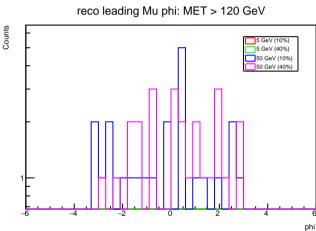


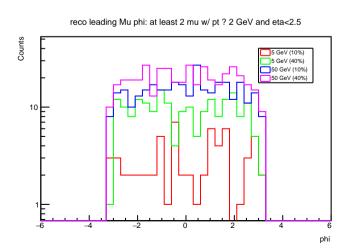


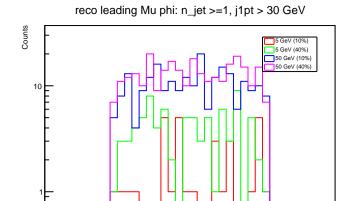
eta



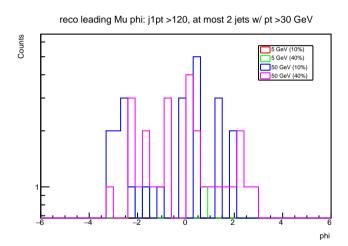


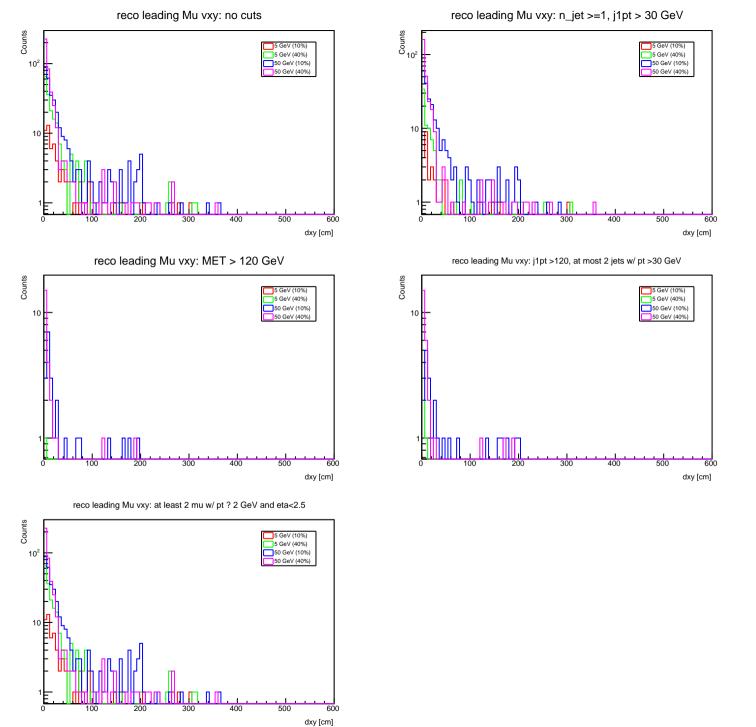


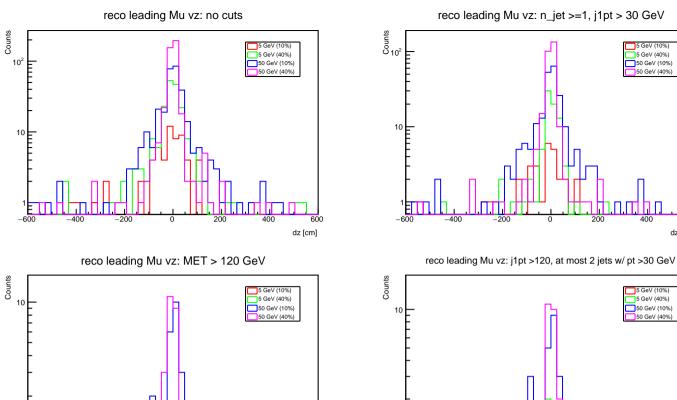


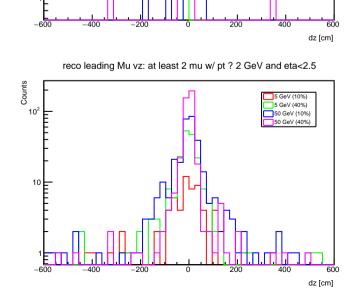


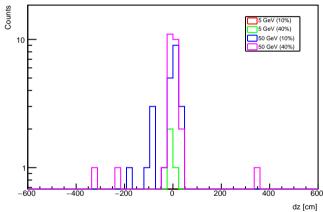
phi







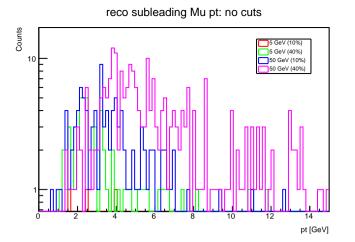


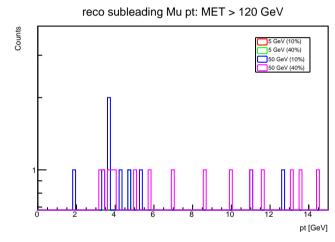


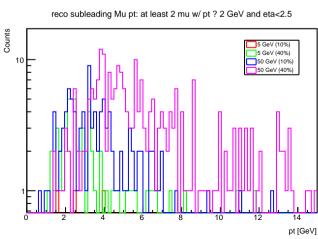
5 GeV (40%) 50 GeV (10%) 50 GeV (40%)

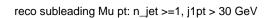
600

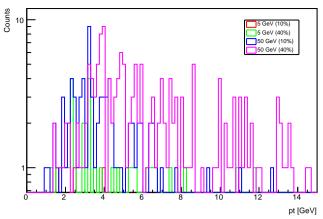
dz [cm]



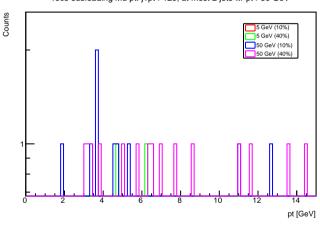


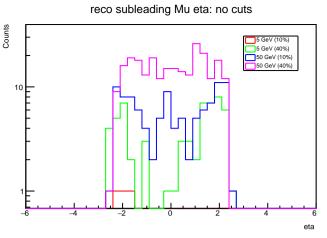


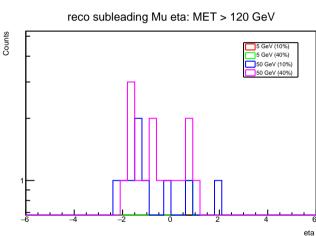


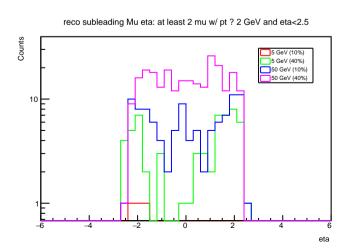


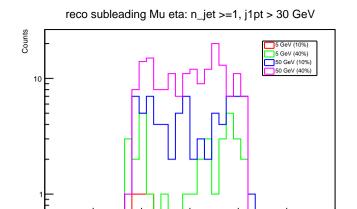
reco subleading Mu pt: j1pt >120, at most 2 jets w/ pt >30 GeV



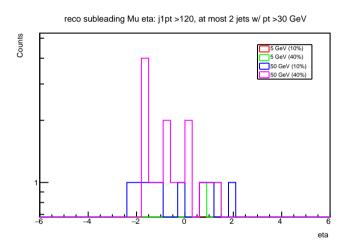


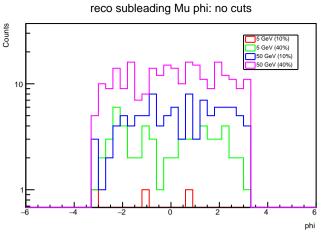


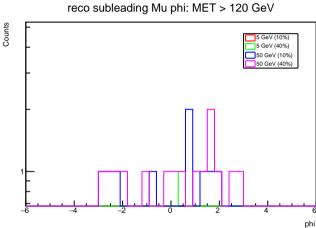


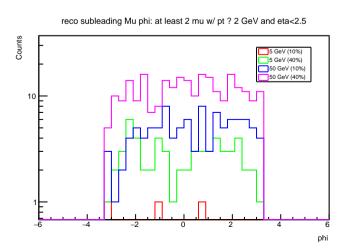


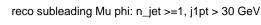
eta

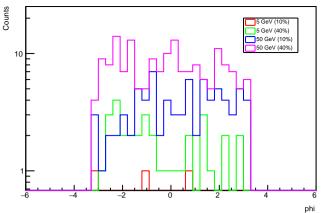




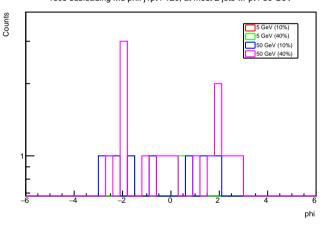


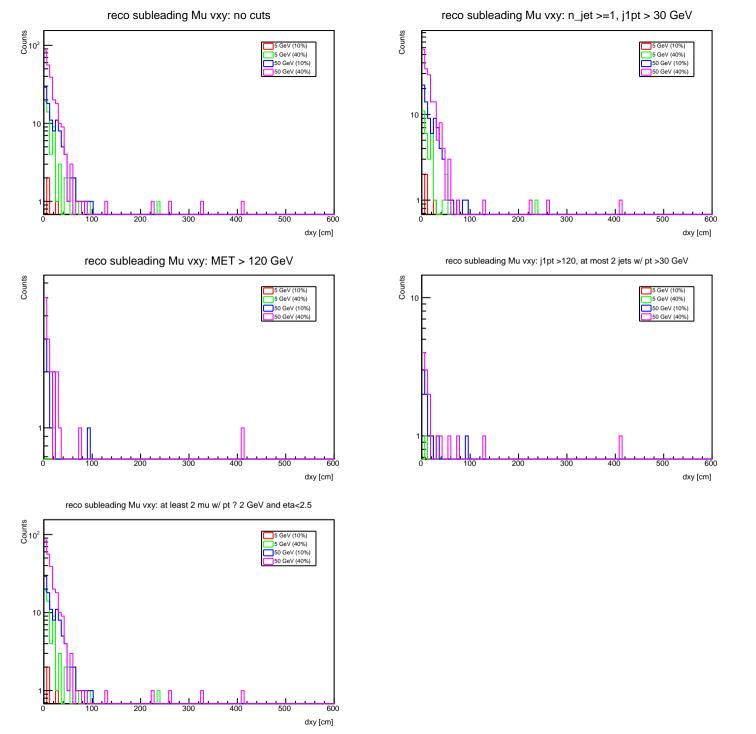


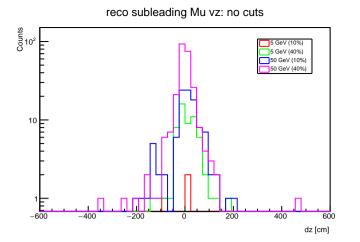


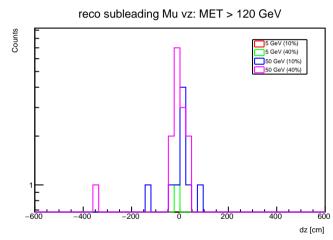


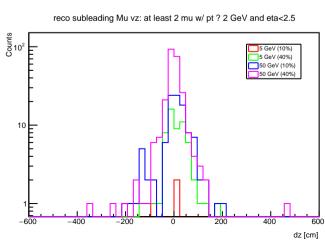
reco subleading Mu phi: j1pt >120, at most 2 jets w/ pt >30 GeV

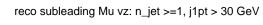


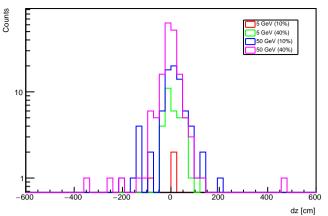




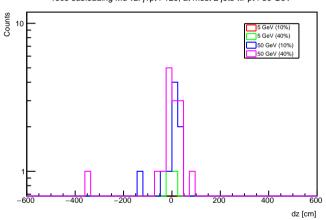


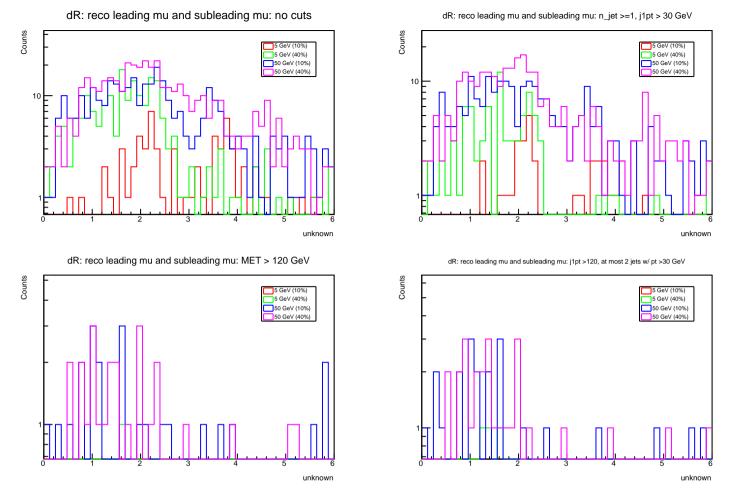


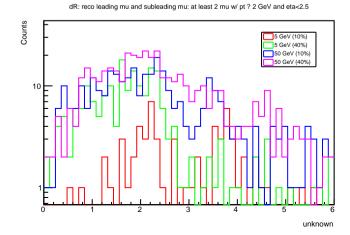


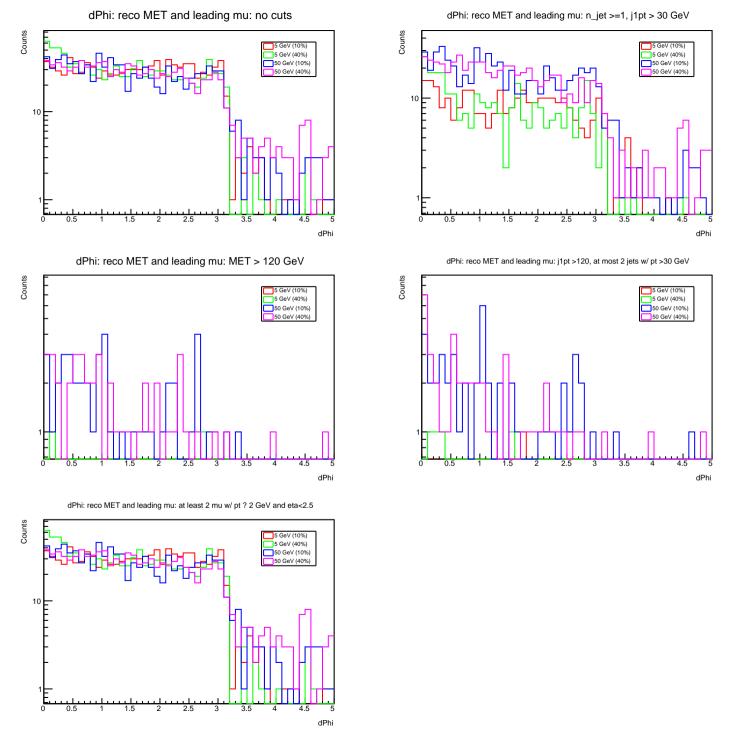


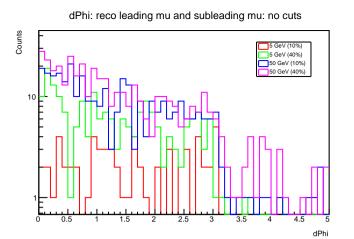
reco subleading Mu vz: j1pt >120, at most 2 jets w/ pt >30 GeV

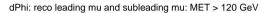


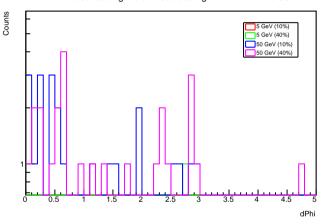




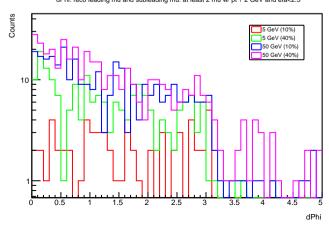




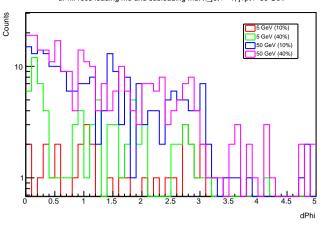




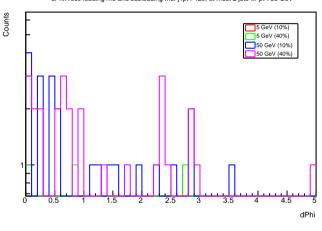
dPhi: reco leading mu and subleading mu: at least 2 mu w/ pt ? 2 GeV and eta<2.5

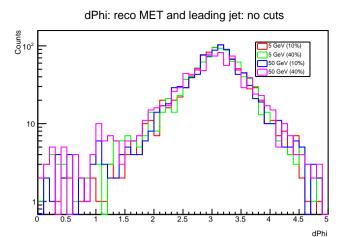


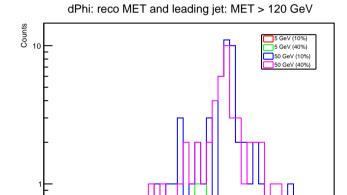
dPhi: reco leading mu and subleading mu: n_jet >=1, j1pt > 30 GeV

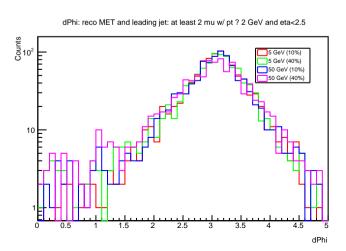


dPhi: reco leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

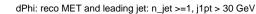


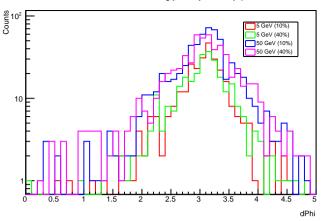




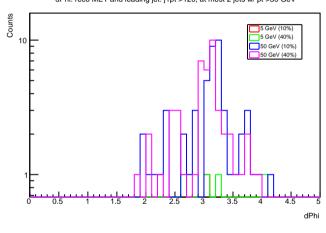


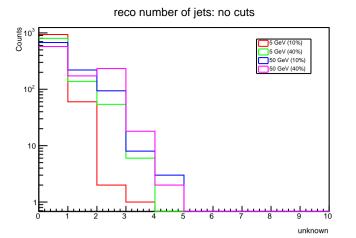
dPhi

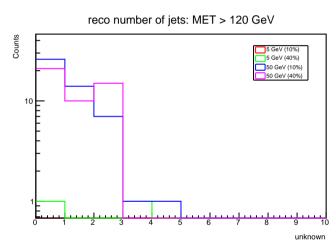


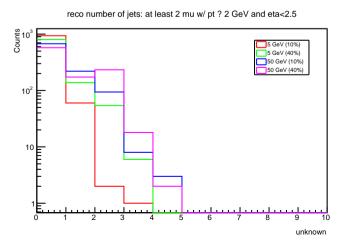


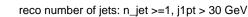
dPhi: reco MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV

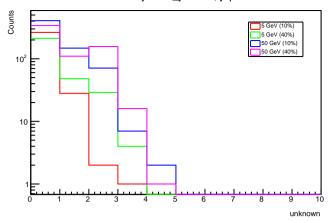




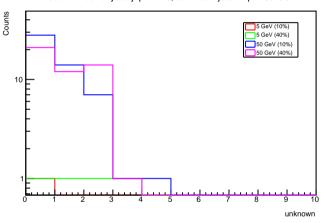


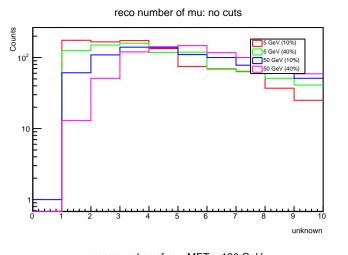


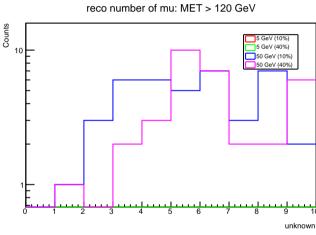


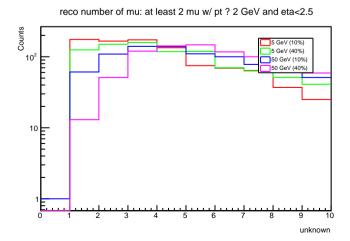


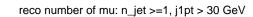
reco number of jets: j1pt >120, at most 2 jets w/ pt >30 GeV

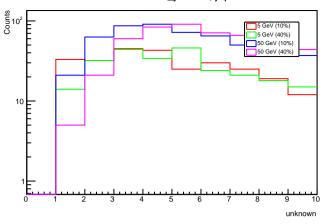




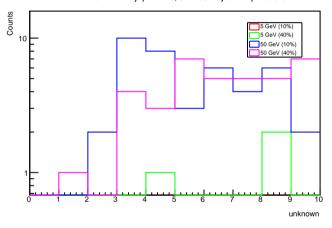


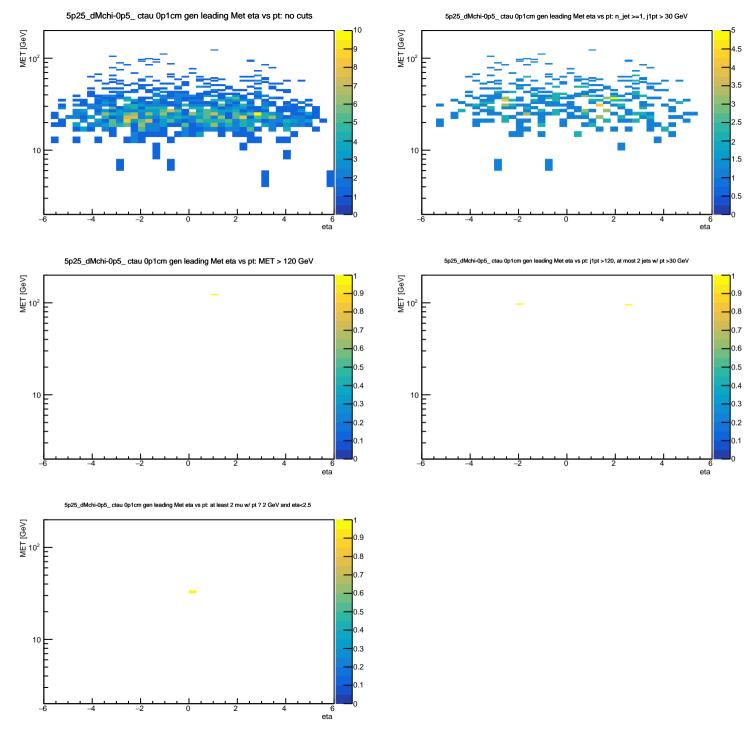


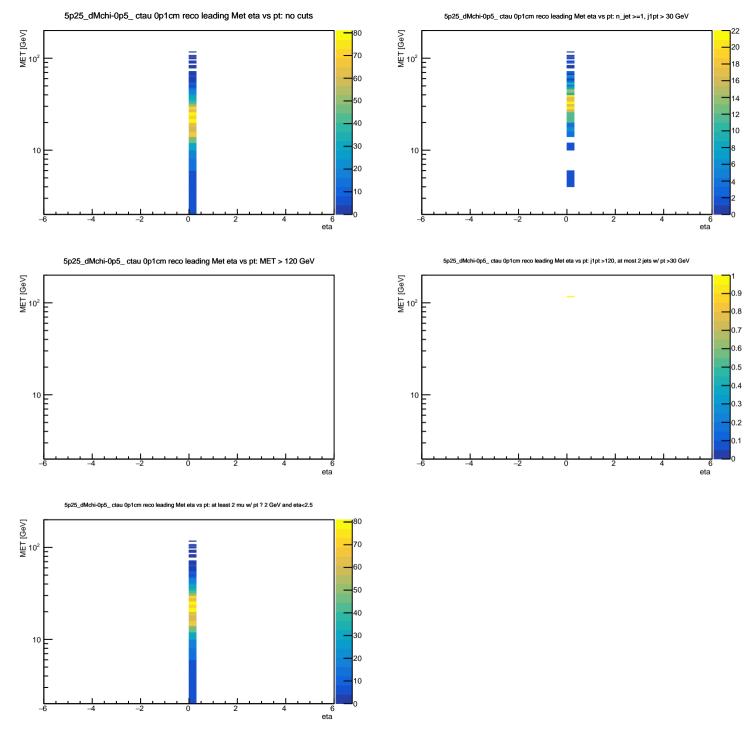


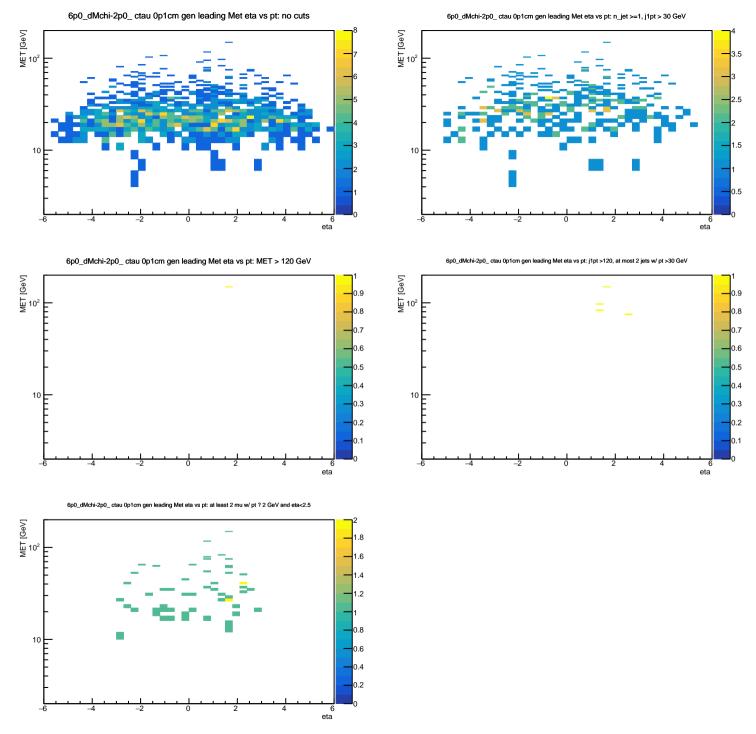


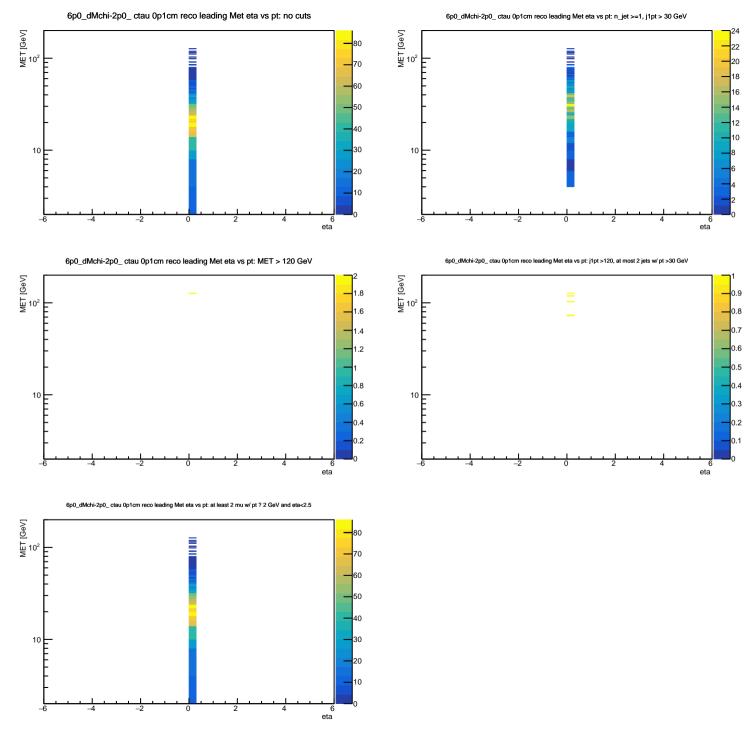
reco number of mu: j1pt >120, at most 2 jets w/ pt >30 GeV

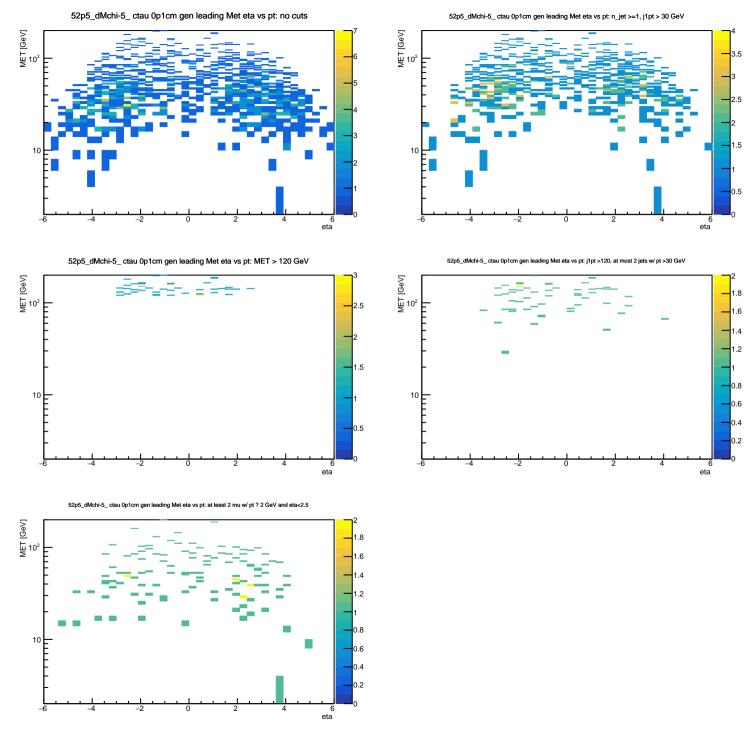


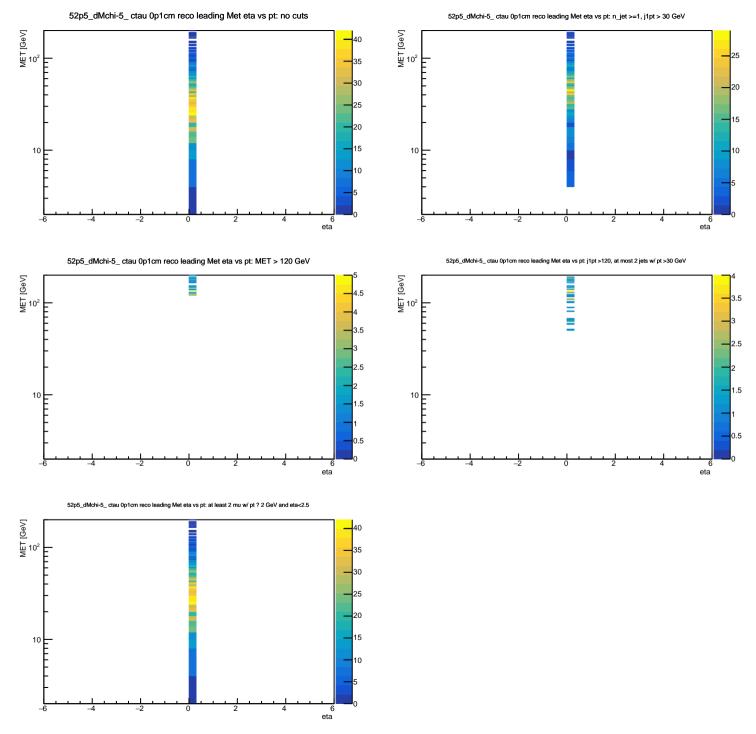


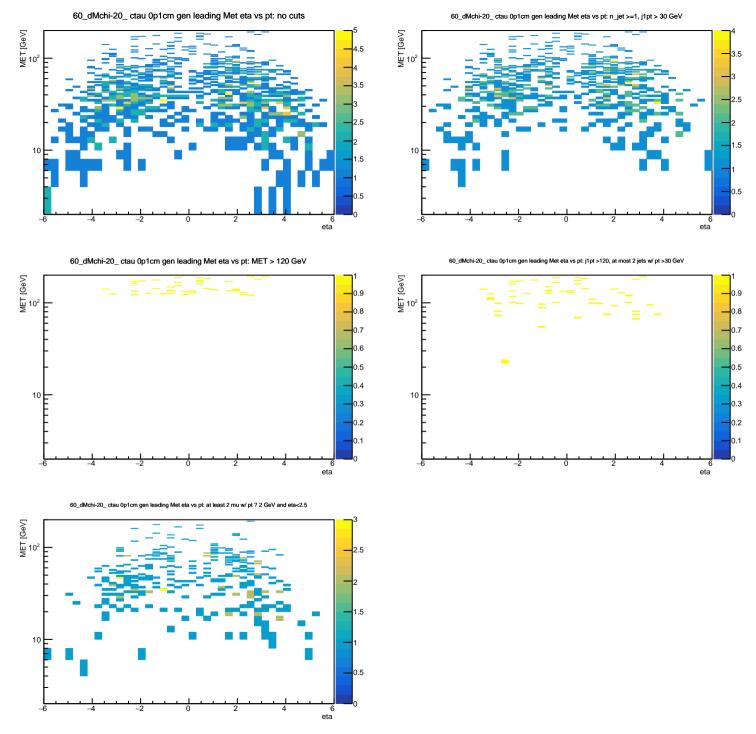


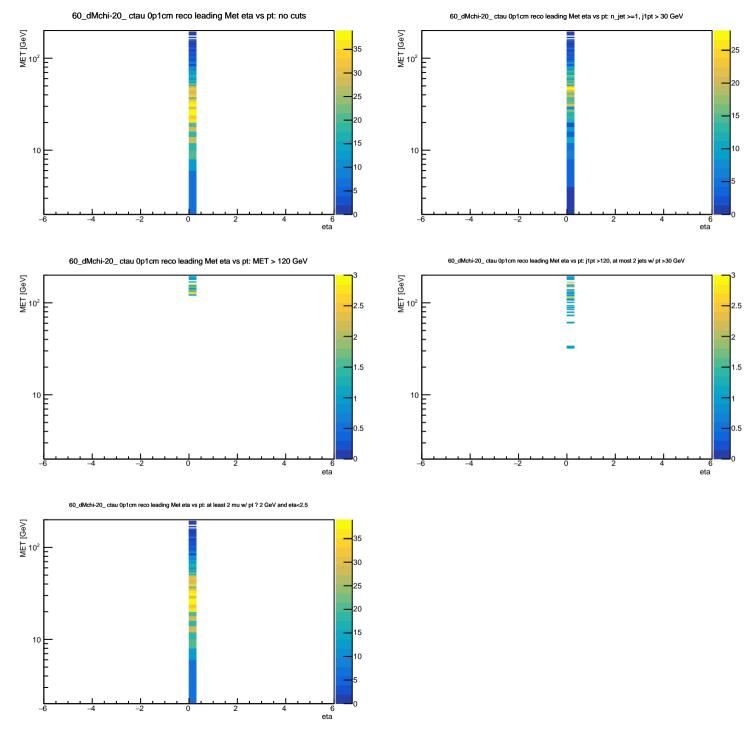






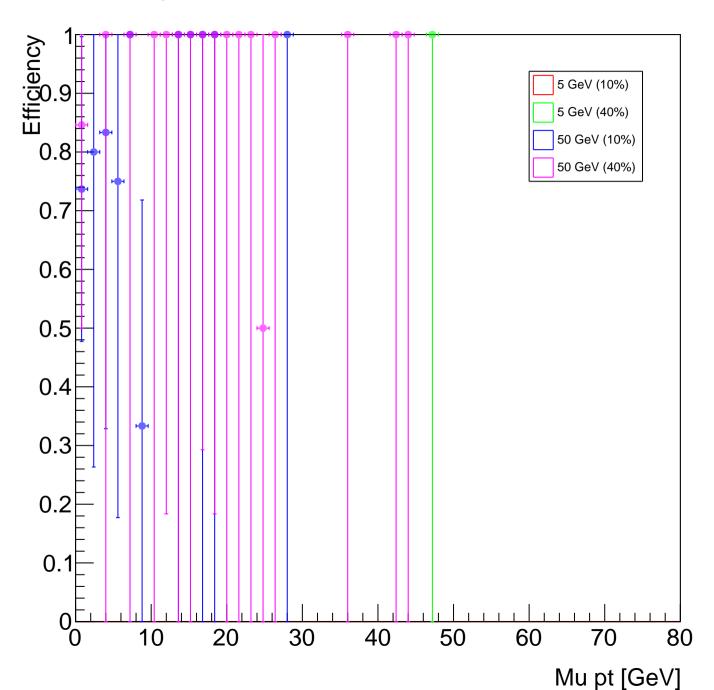


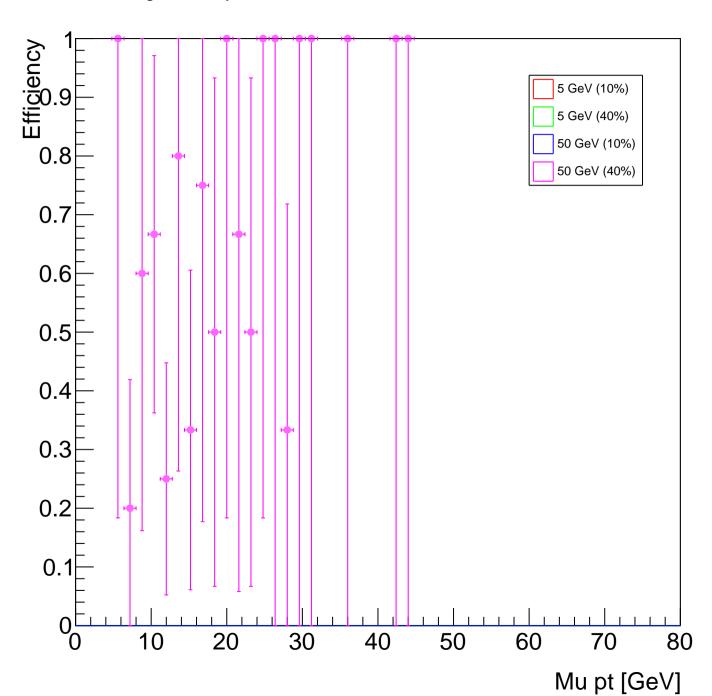


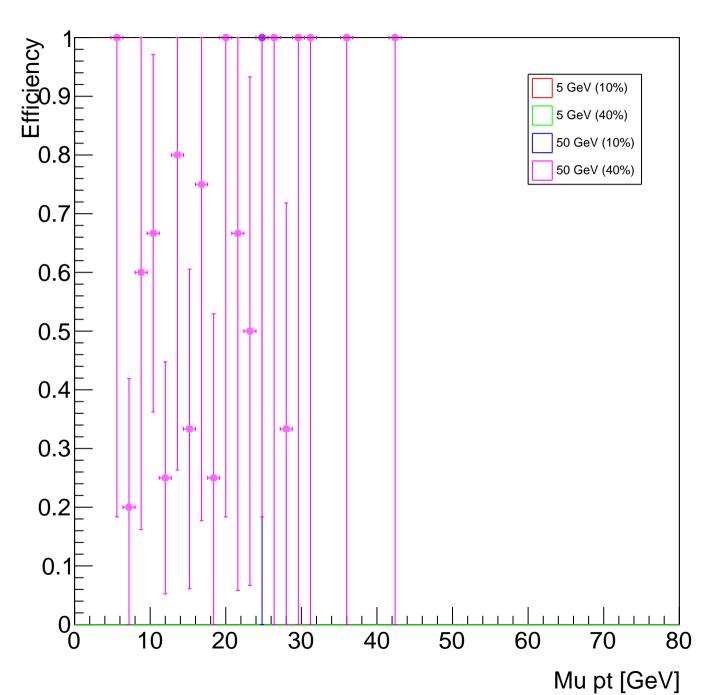




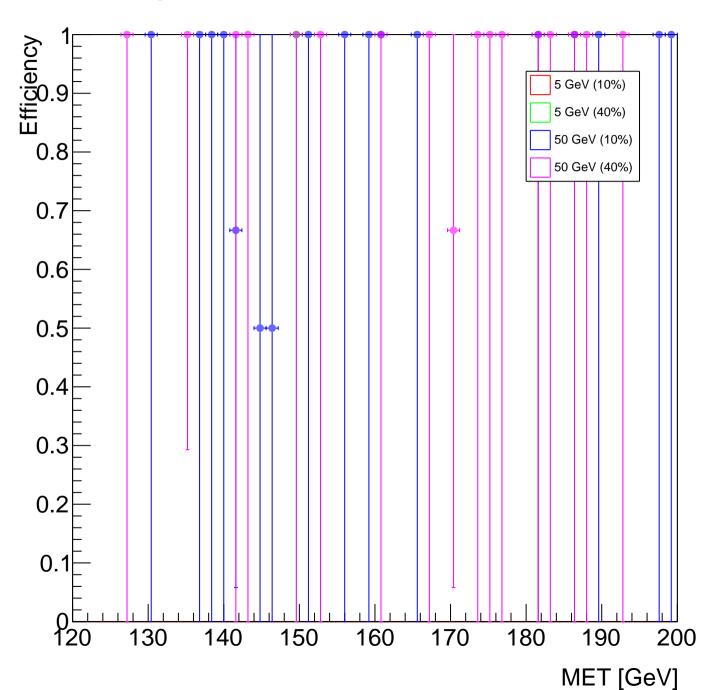
trigefficiency HLT_PFMET120_PFMHT120

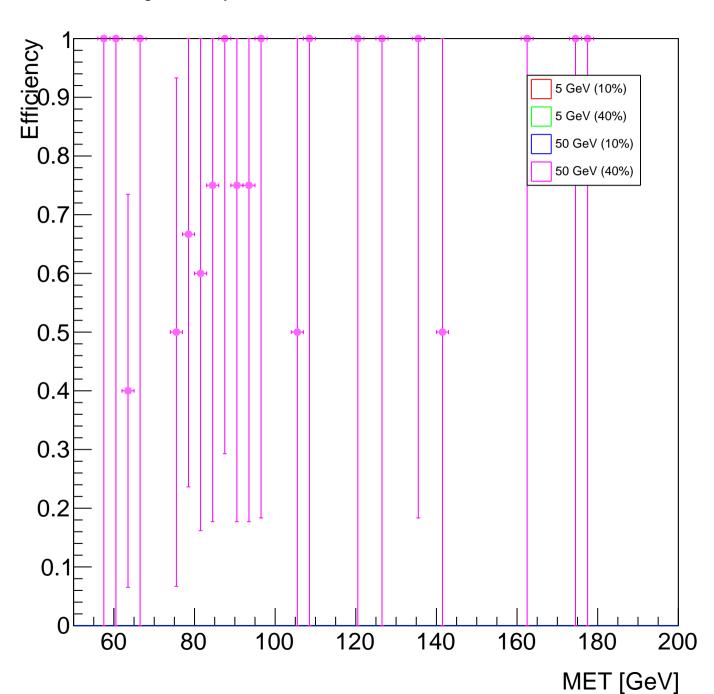


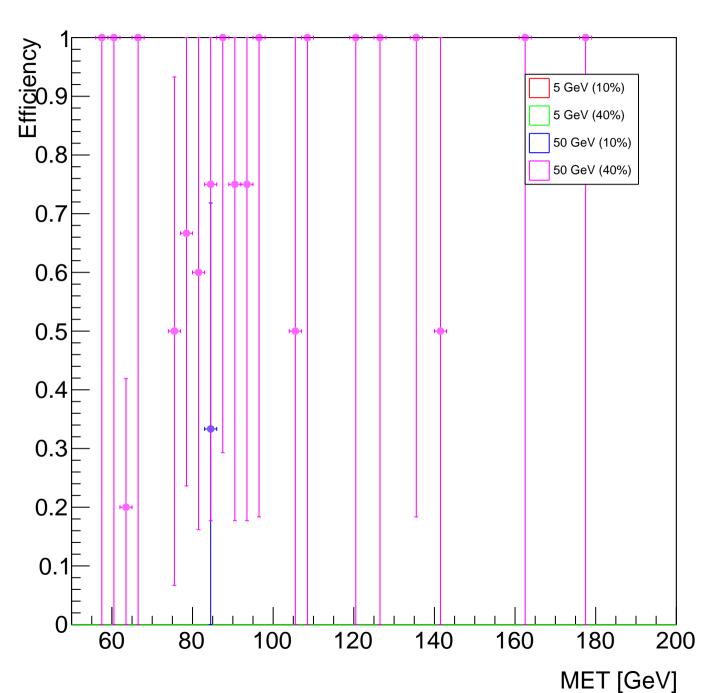




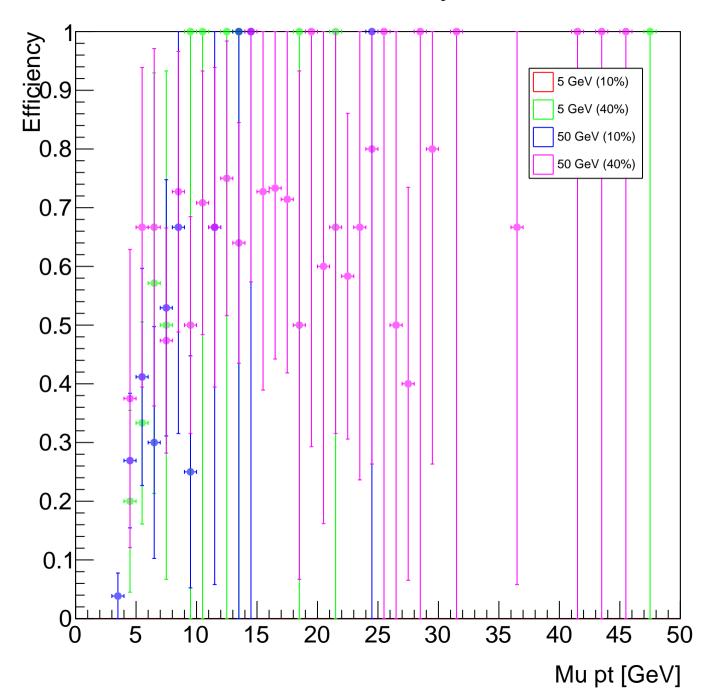
trigefficiency HLT_PFMET120_PFMHT120



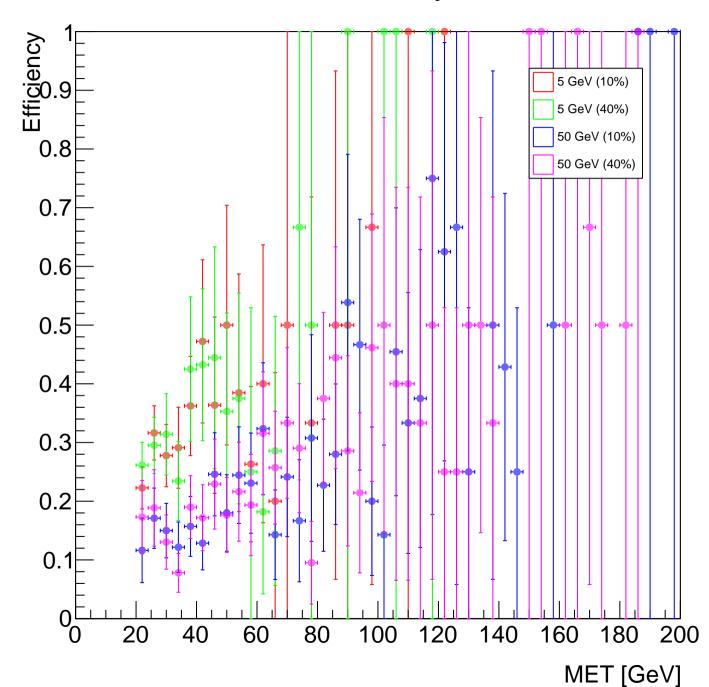




recoefficiency mu



recoefficiency met



recoefficiency met

