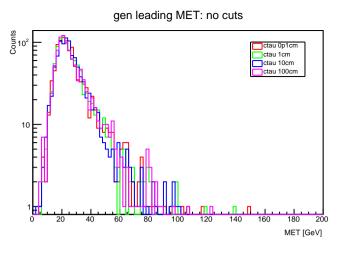
## 5 GeV (40%)

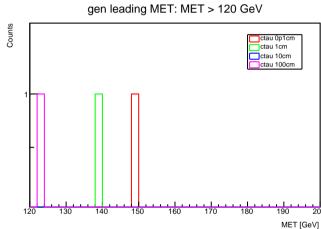
nevents ctau 0p1cm: 1000(c1:369(293),c2:1(2),c3:1(1),c4:1(1))

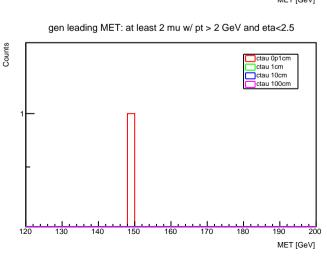
nevents ctau 1cm: 1000(c1:353(264),c2:1(0),c3:1(0),c4:0(0))

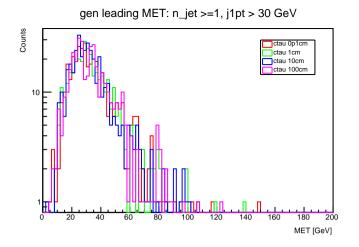
nevents ctau 10cm: 1000(c1:380(295),c2:0(0),c3:0(0),c4:0(0))

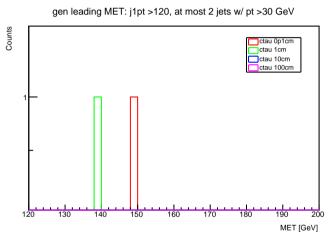
nevents ctau 100cm: 1000(c1:371(292),c2:1(1),c3:0(0),c4:0(0))

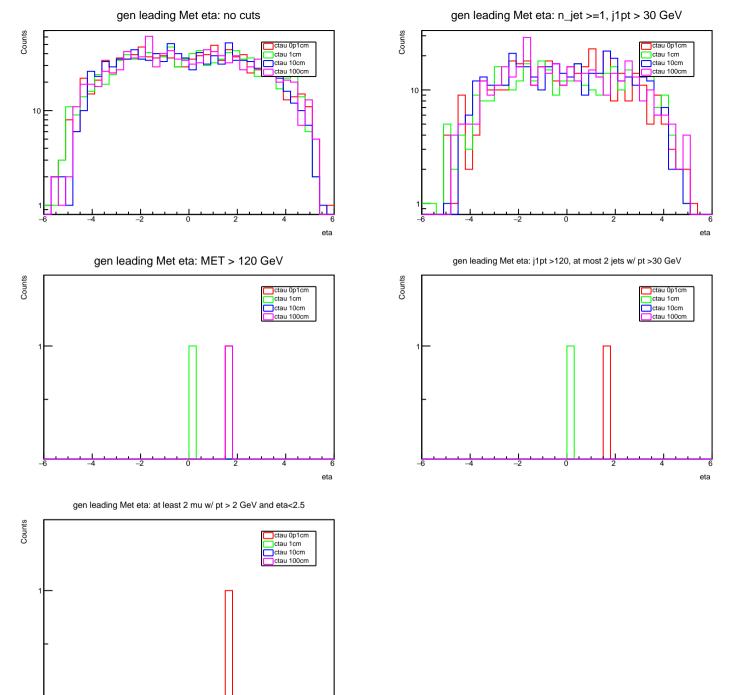




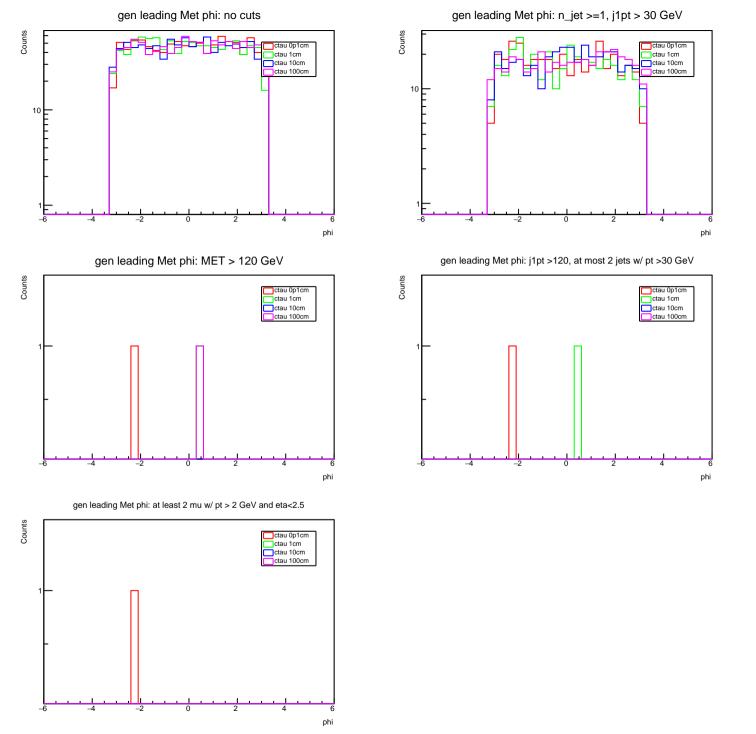


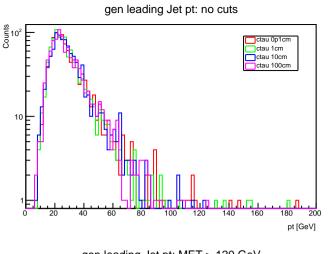


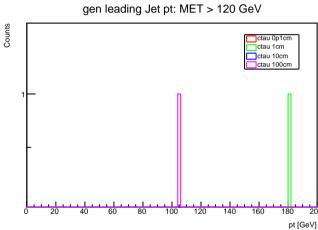


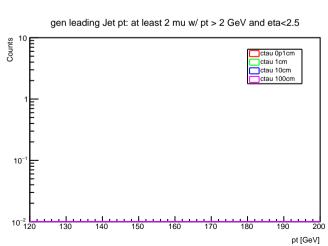


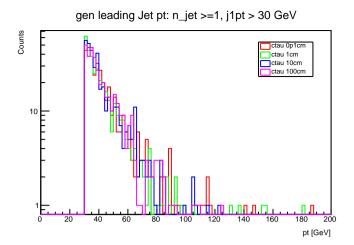
eta

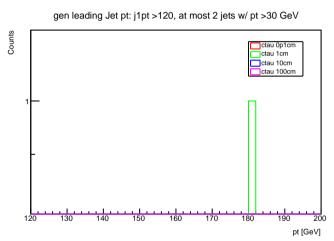


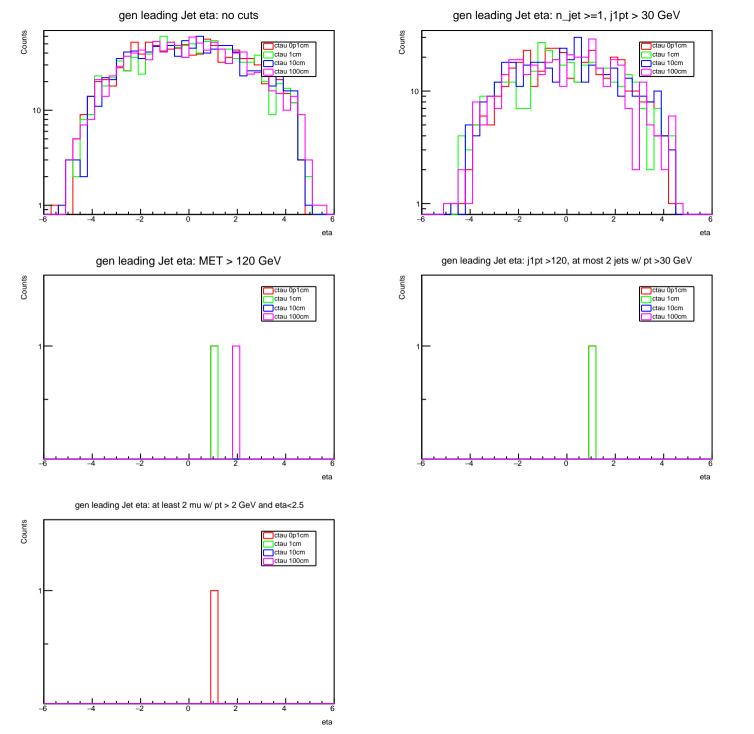


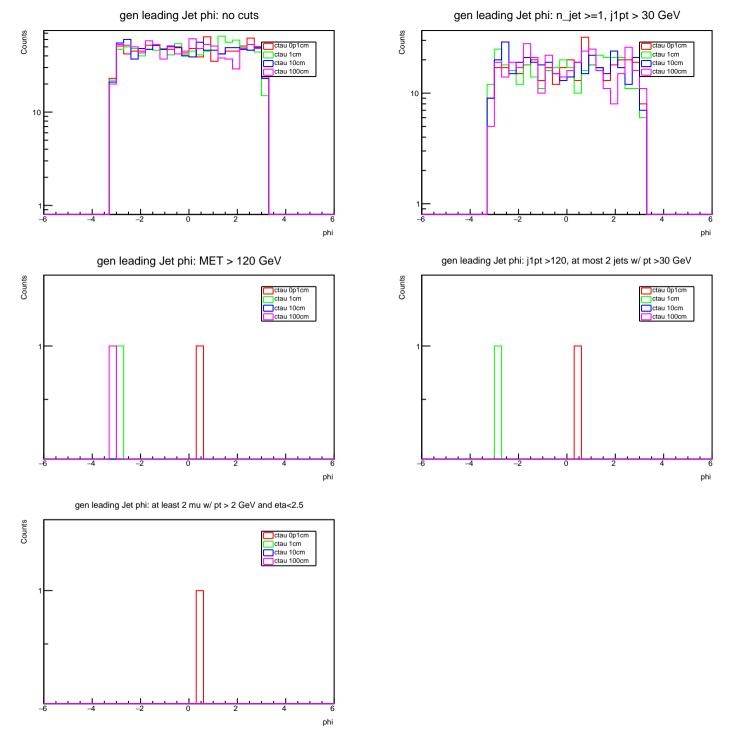


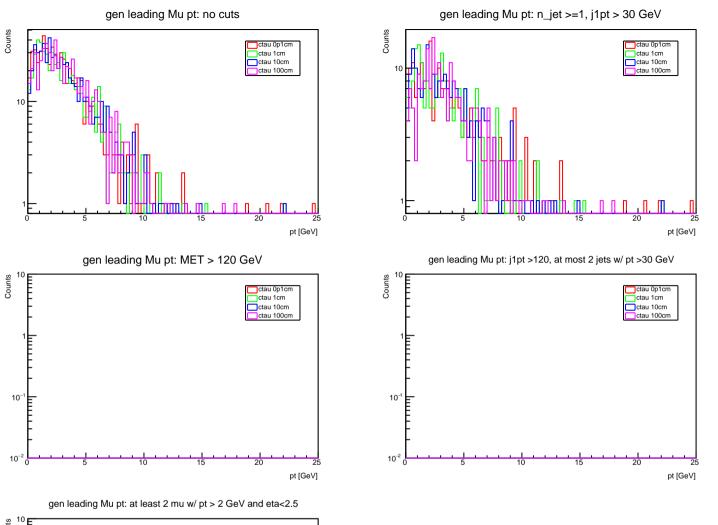


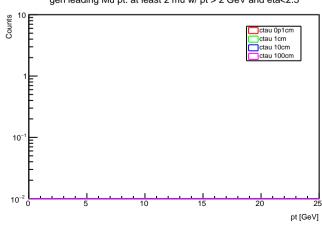


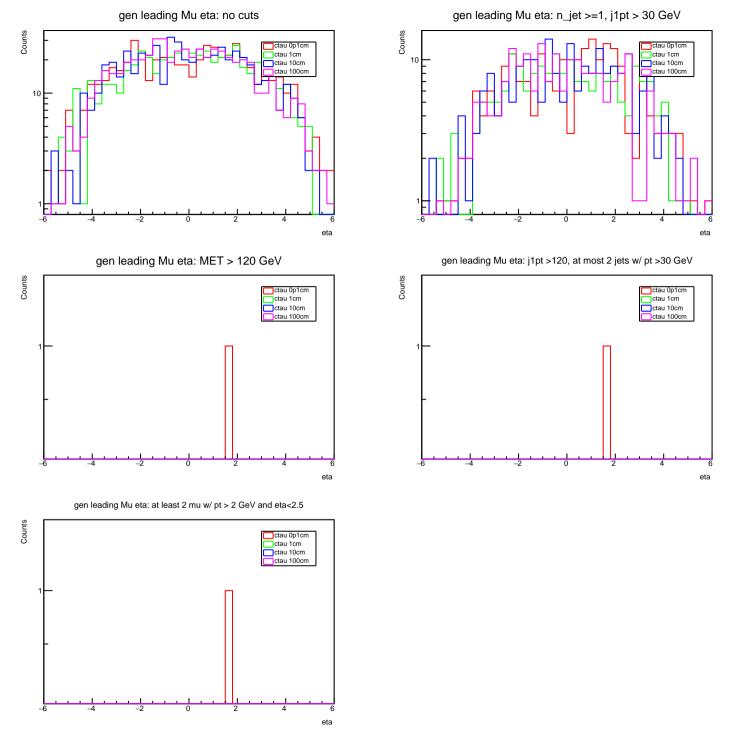


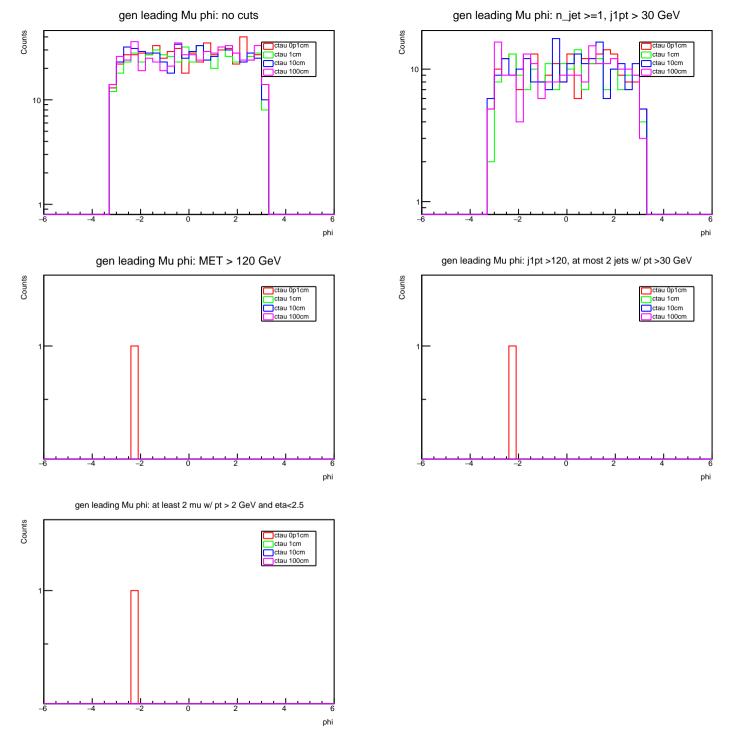


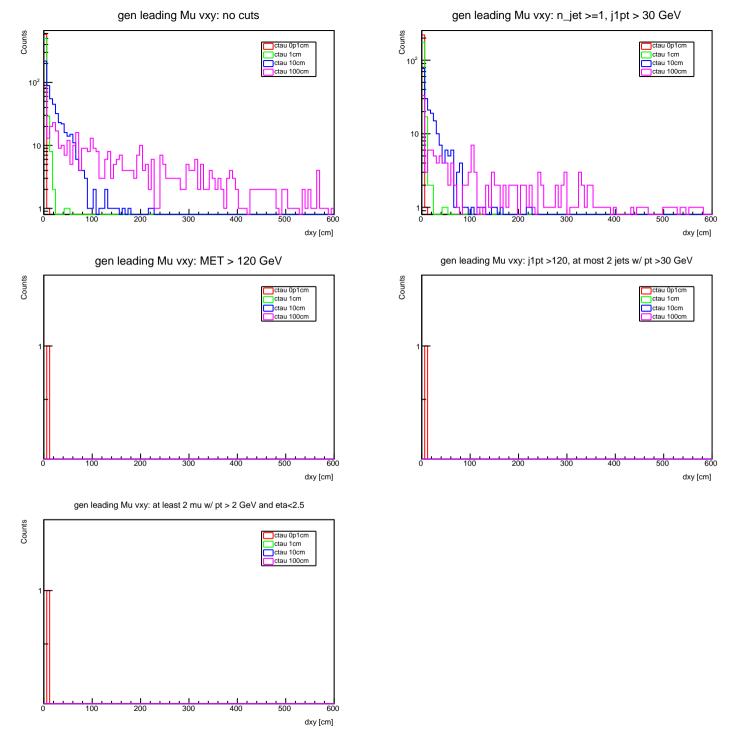


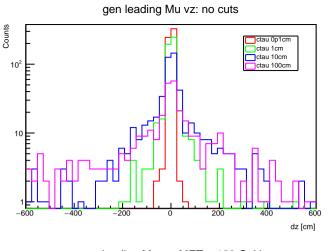


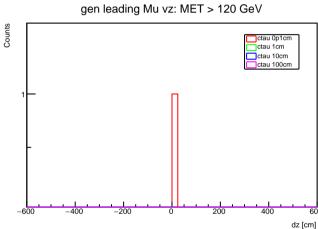


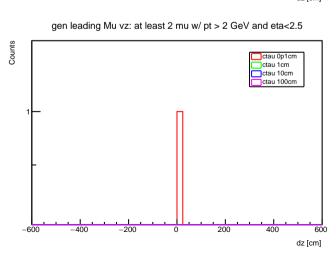


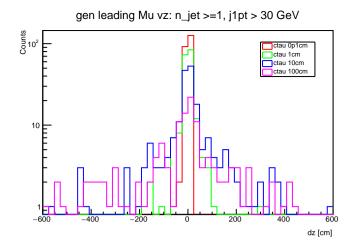




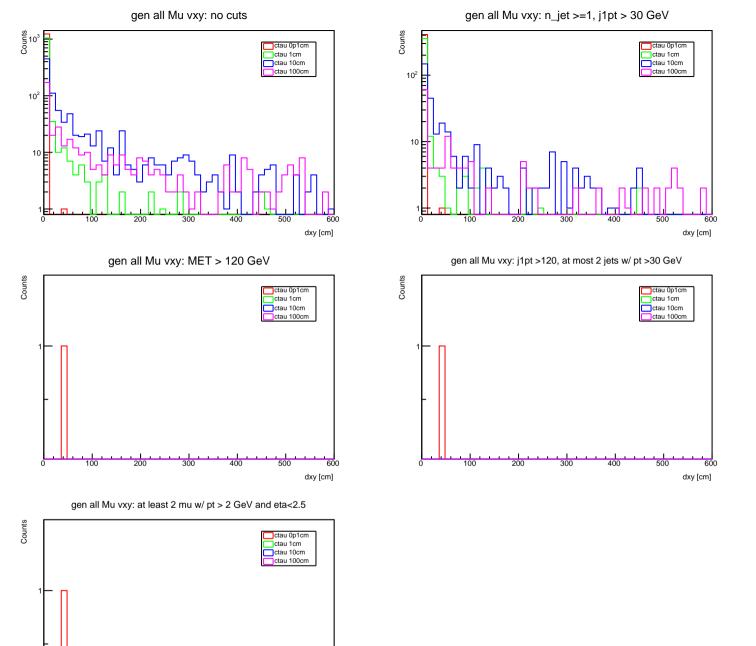




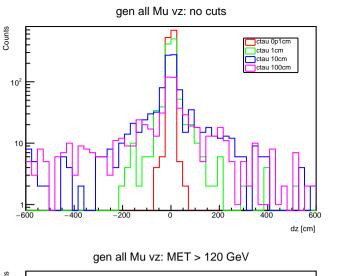


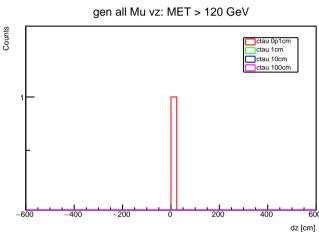


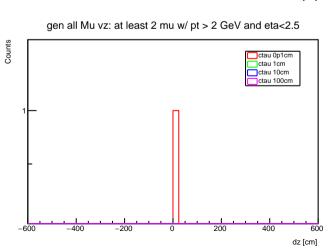


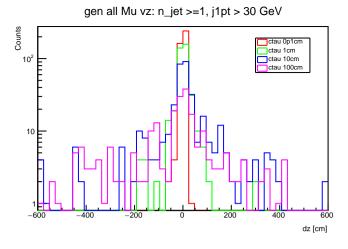


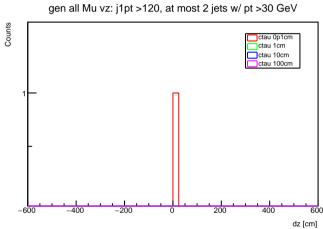
dxy [cm]

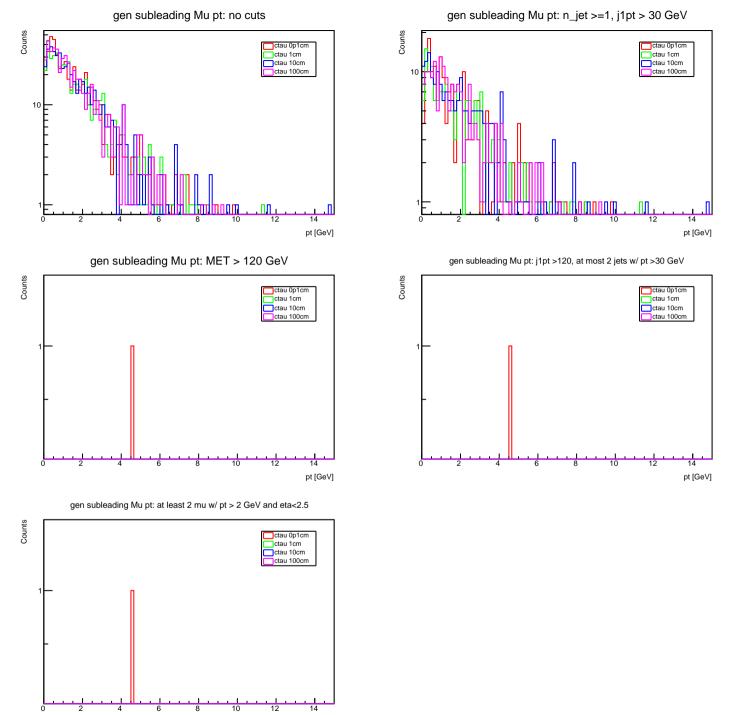




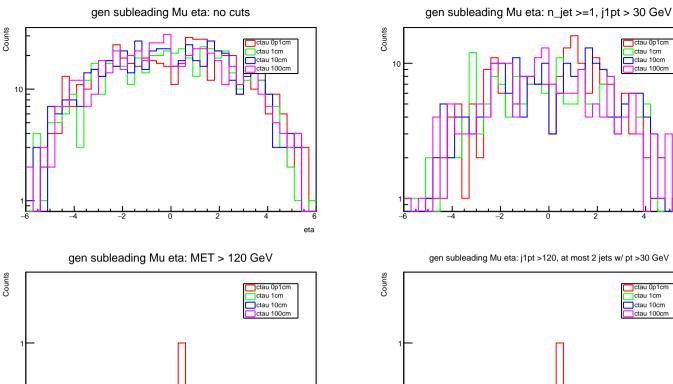


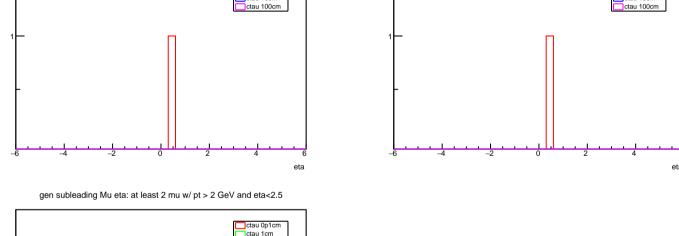




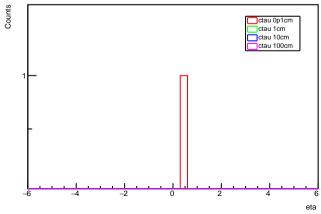


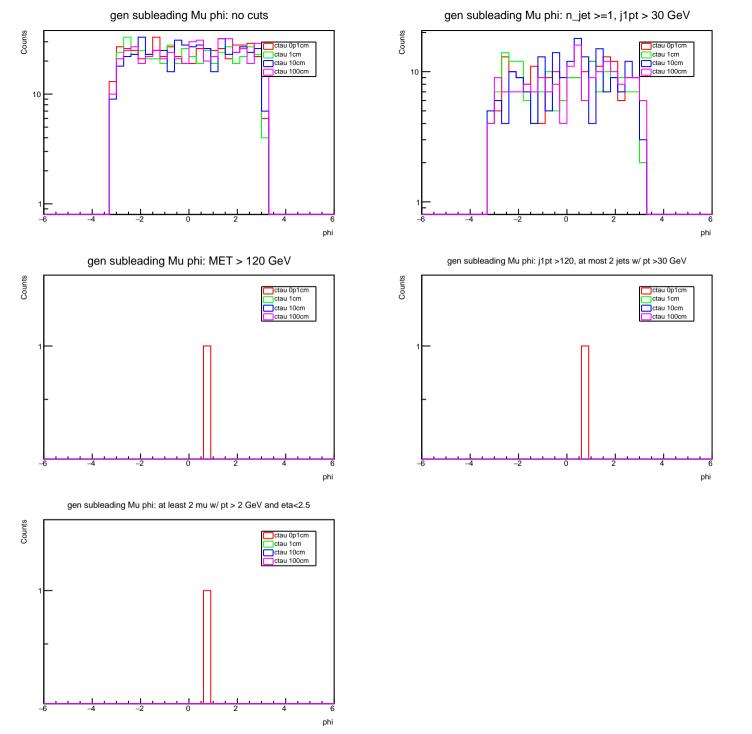
pt [GeV]

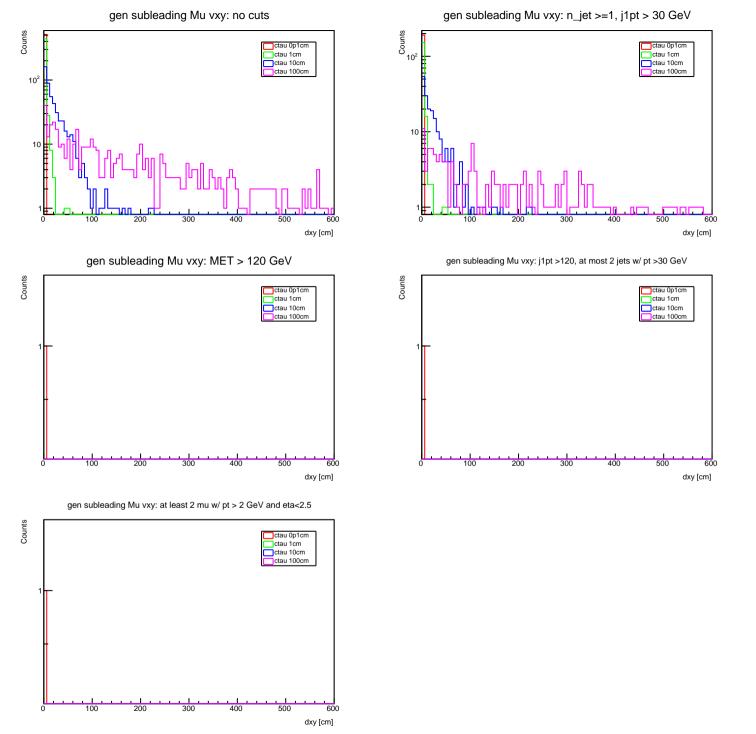


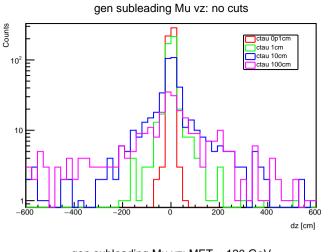


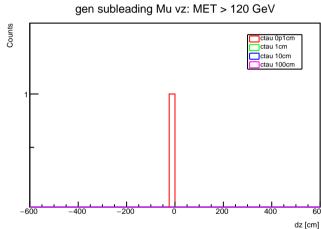
eta

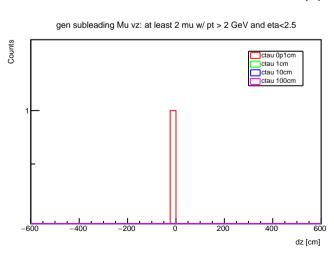


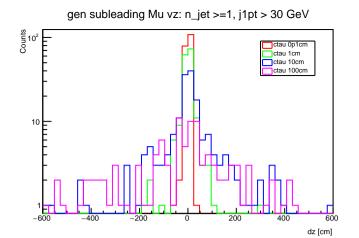


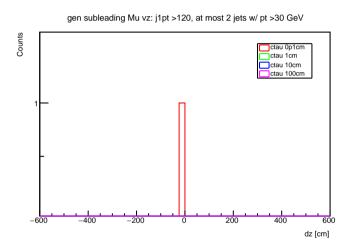


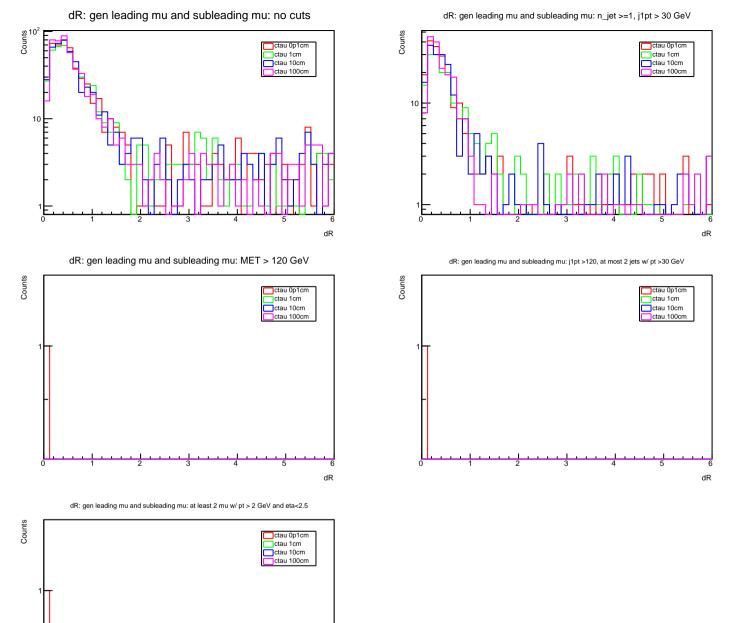




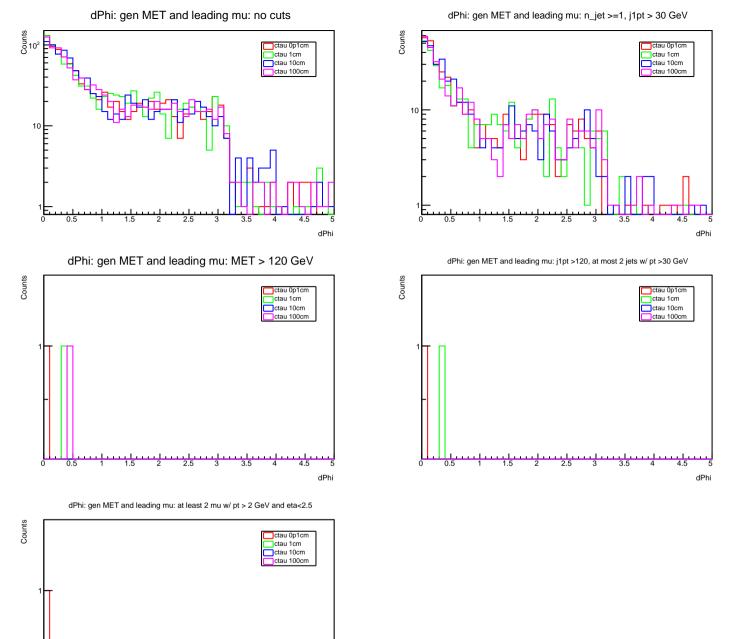




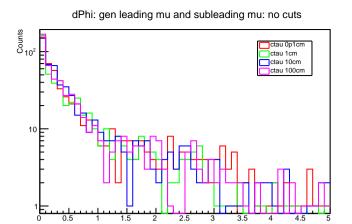




dR

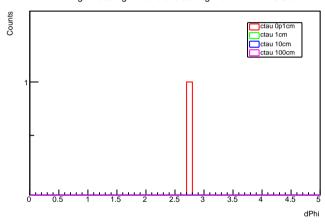


dPhi

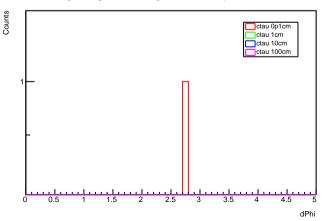




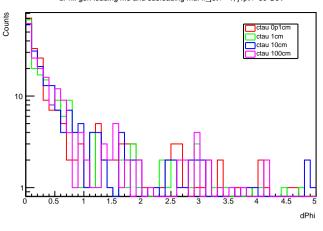
dPhi



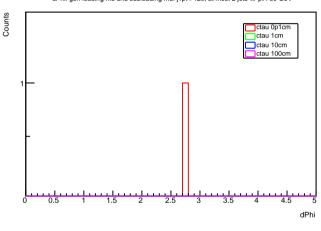
dPhi: gen leading mu and subleading mu: at least 2 mu w/ pt > 2 GeV and eta<2.5

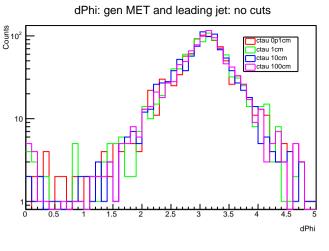


dPhi: gen leading mu and subleading mu: n\_jet >=1, j1pt > 30 GeV

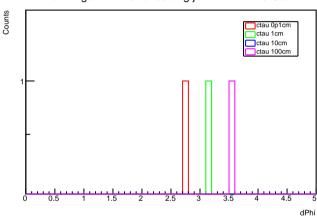


dPhi: gen leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

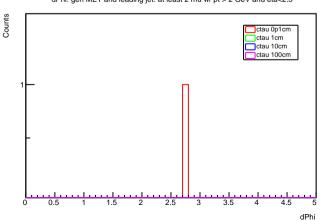




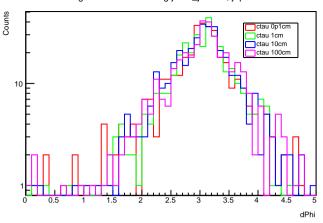




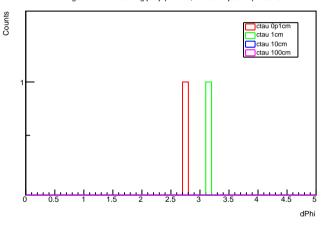
dPhi: gen MET and leading jet: at least 2 mu w/ pt > 2 GeV and eta<2.5

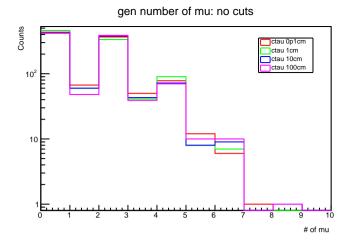


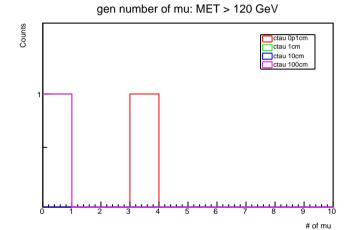
dPhi: gen MET and leading jet: n\_jet >=1, j1pt > 30 GeV

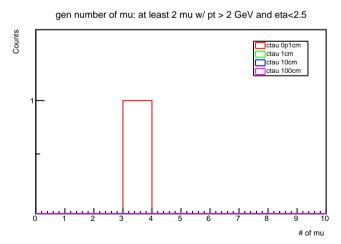


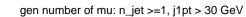
dPhi: gen MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV

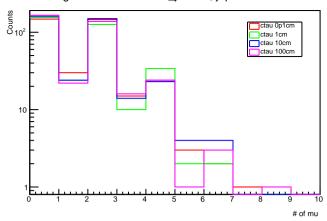




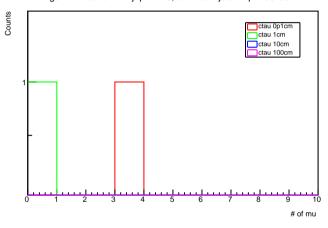


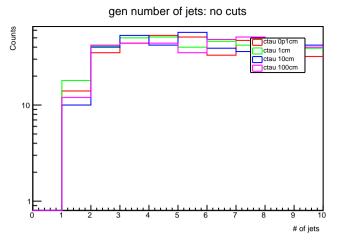


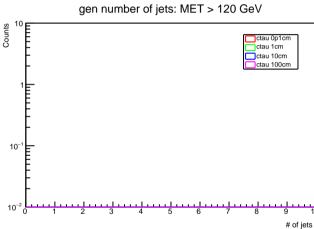


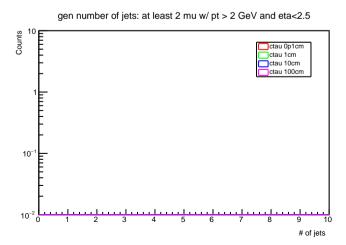


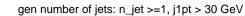
gen number of mu: j1pt >120, at most 2 jets w/ pt >30 GeV

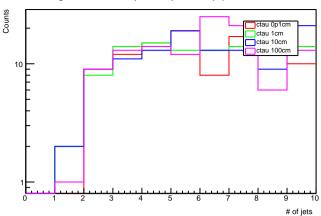




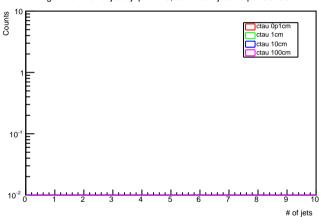


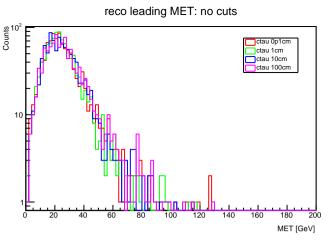


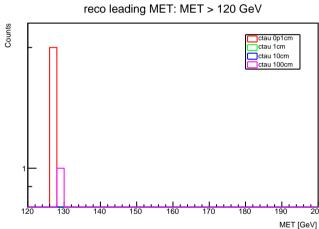


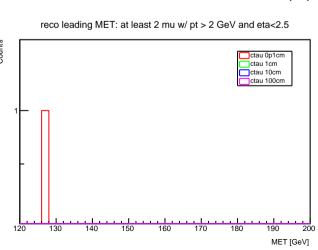


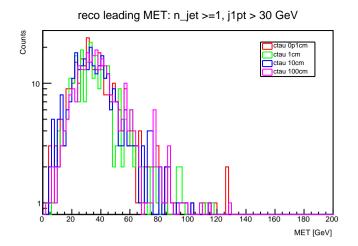
gen number of jets: j1pt >120, at most 2 jets w/ pt >30 GeV

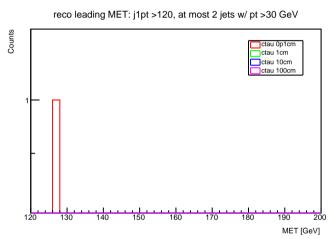


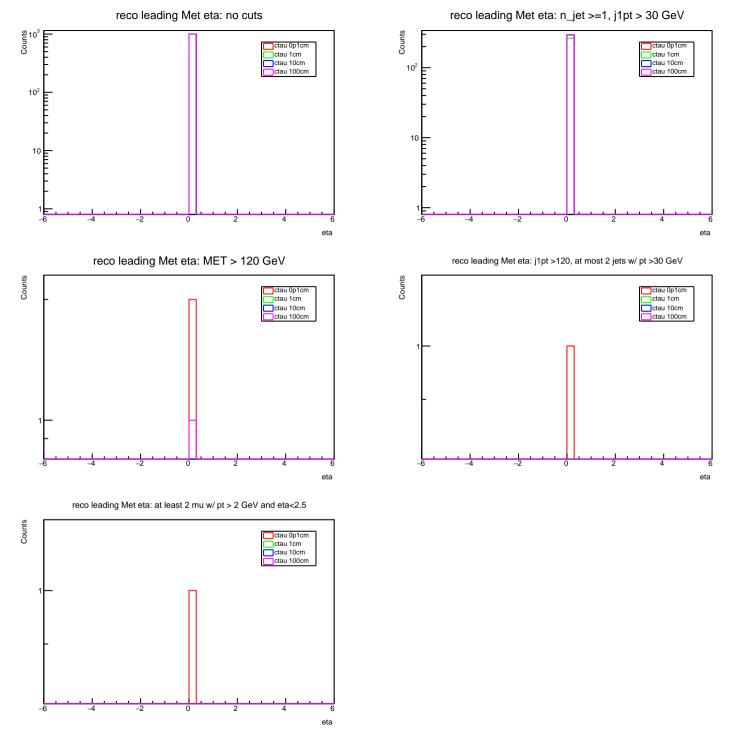


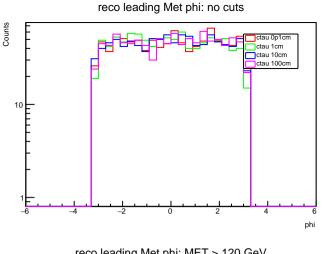


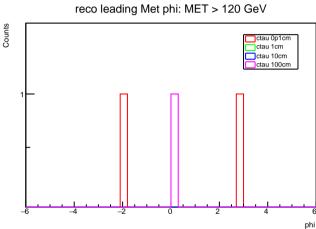


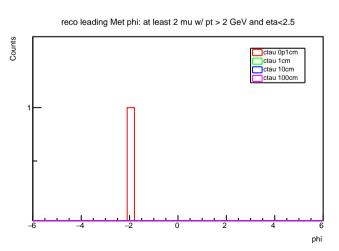


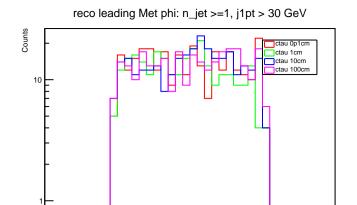




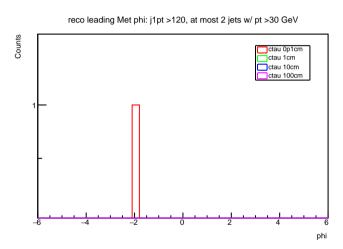


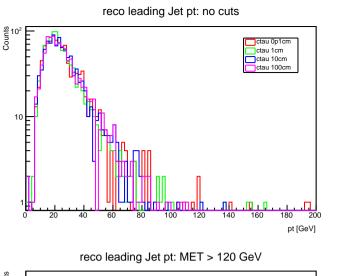


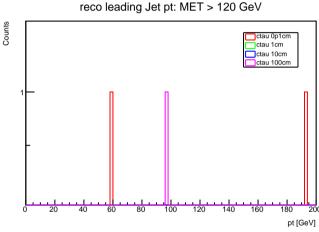


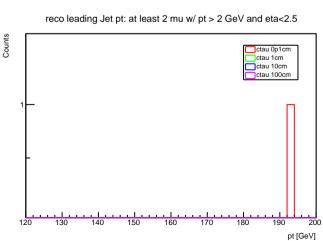


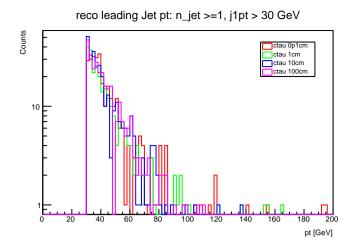
phi

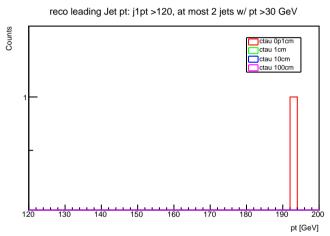


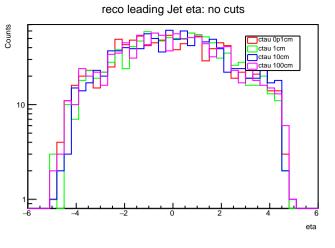


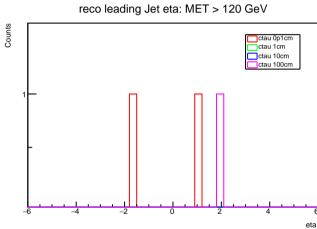


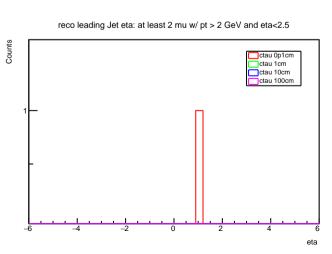


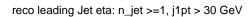


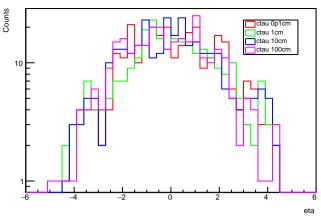




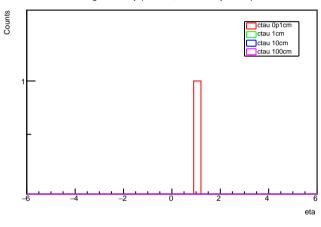


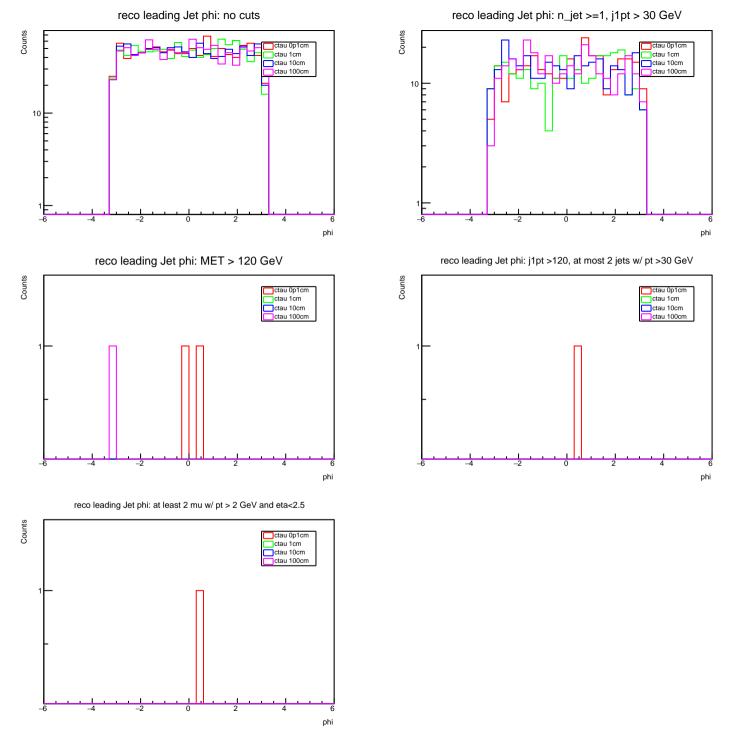


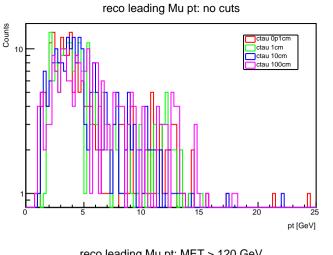


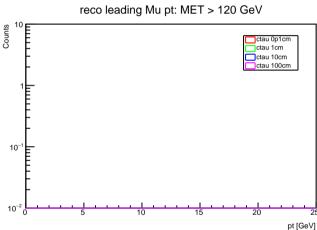


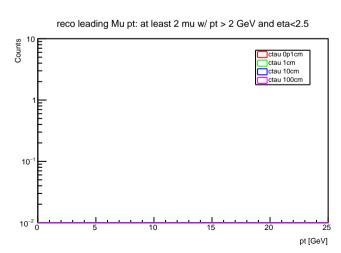
reco leading Jet eta: j1pt >120, at most 2 jets w/ pt >30 GeV

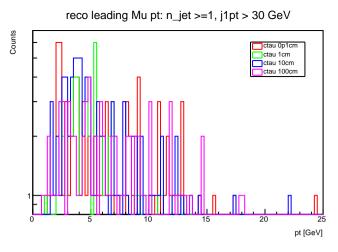


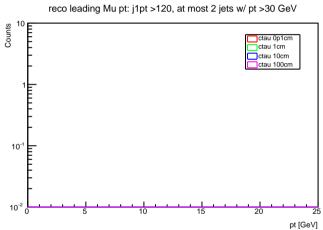


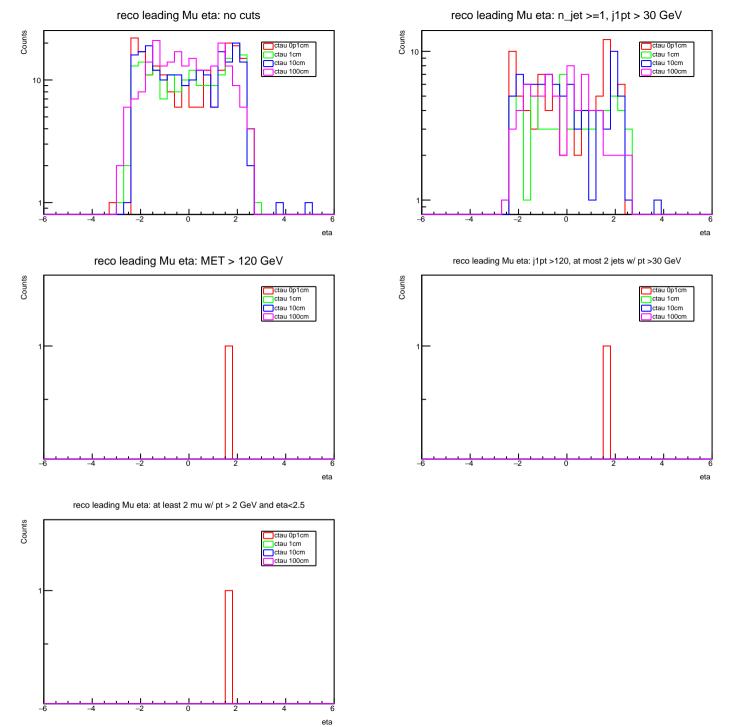


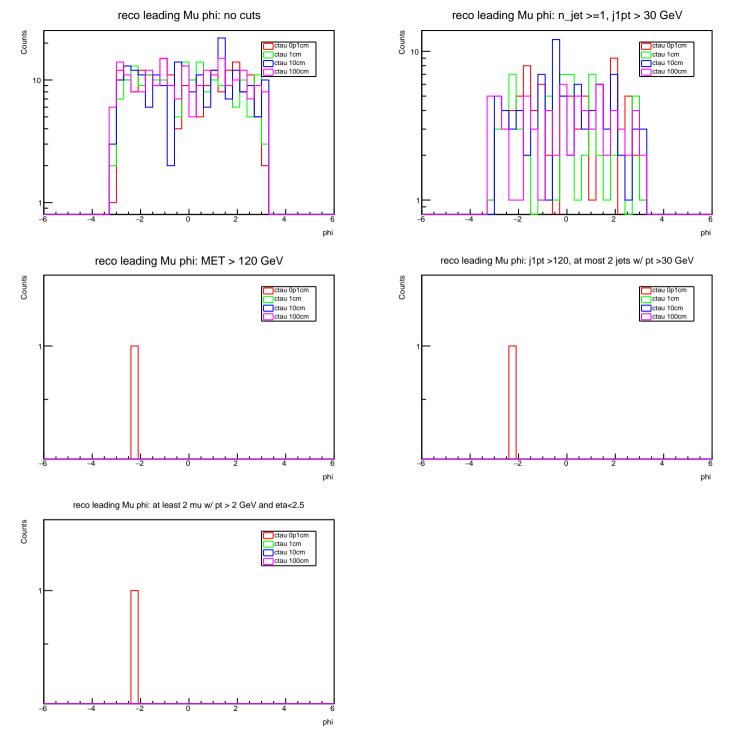


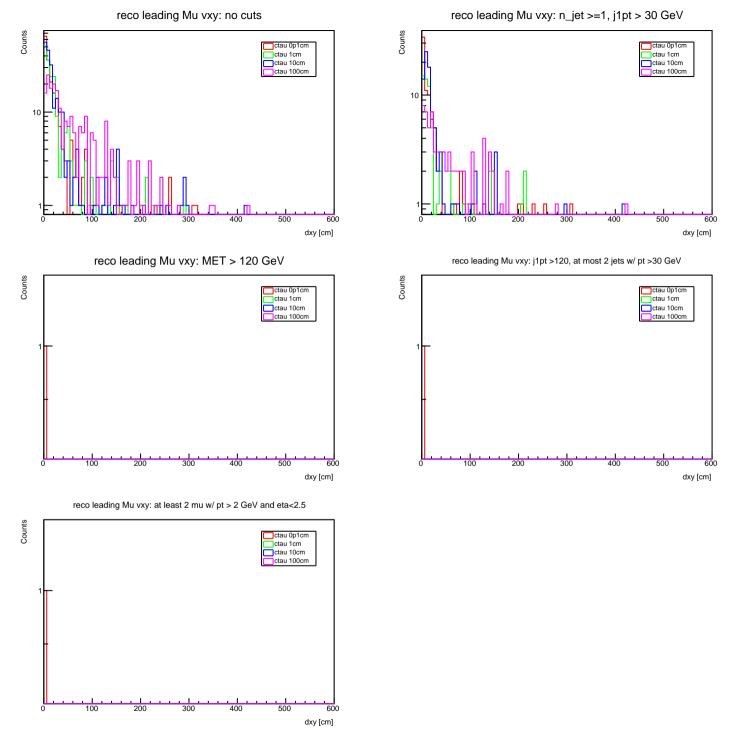


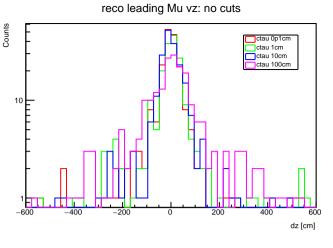


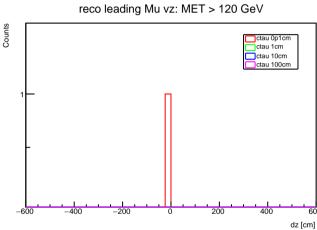


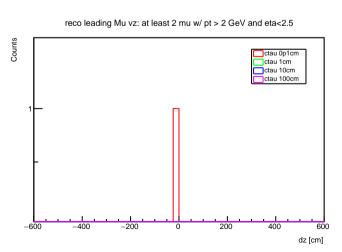


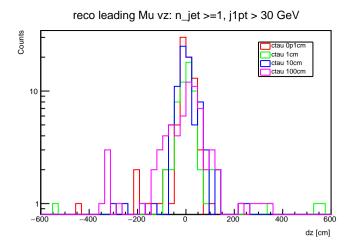


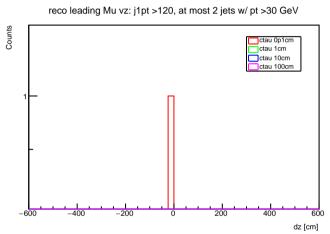


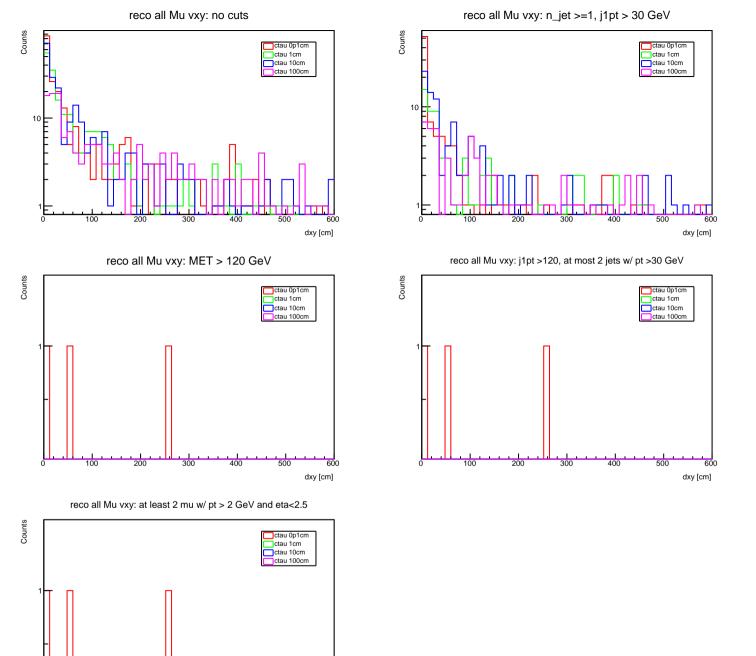




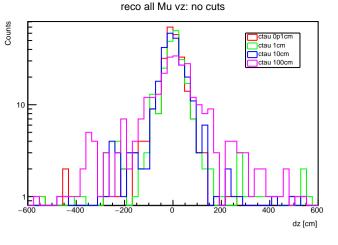


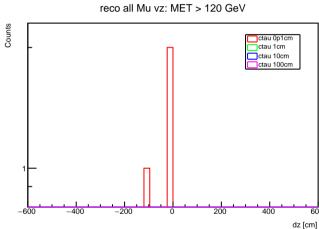


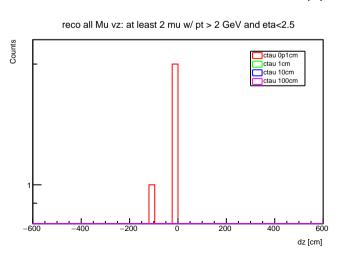


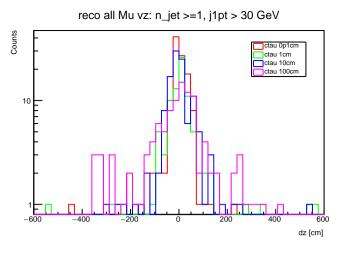


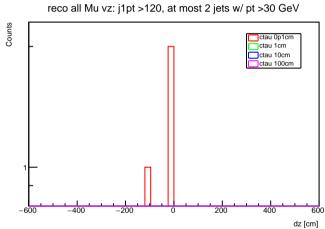
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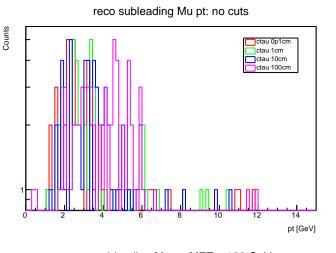


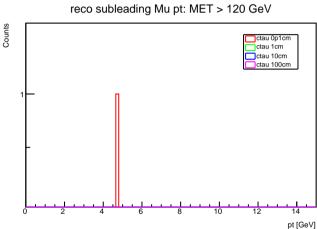


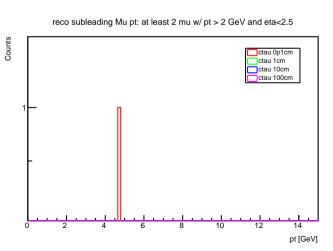


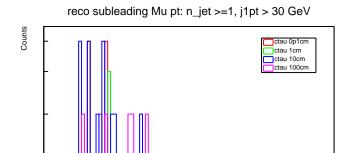


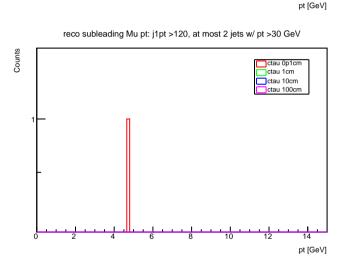


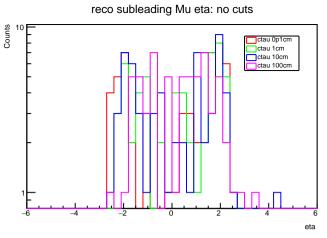


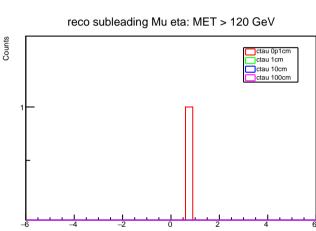


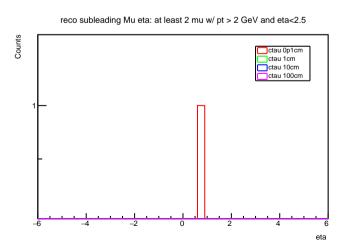




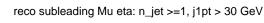


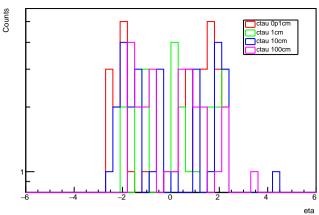




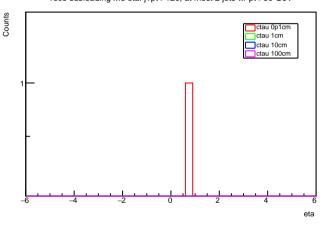


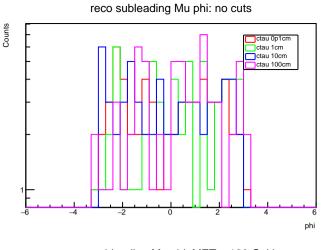
eta

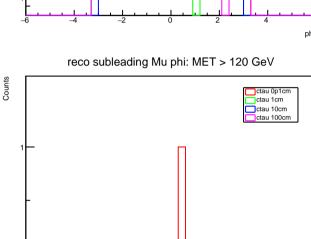


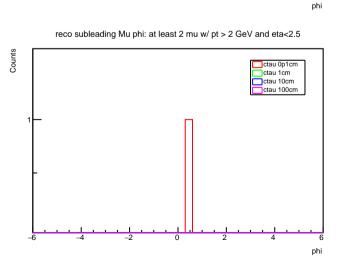


reco subleading Mu eta: j1pt >120, at most 2 jets w/ pt >30 GeV

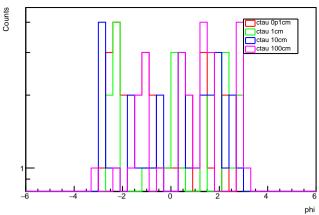




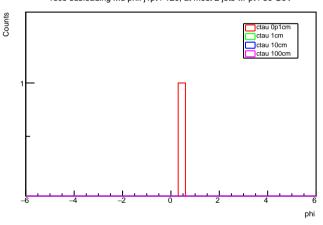


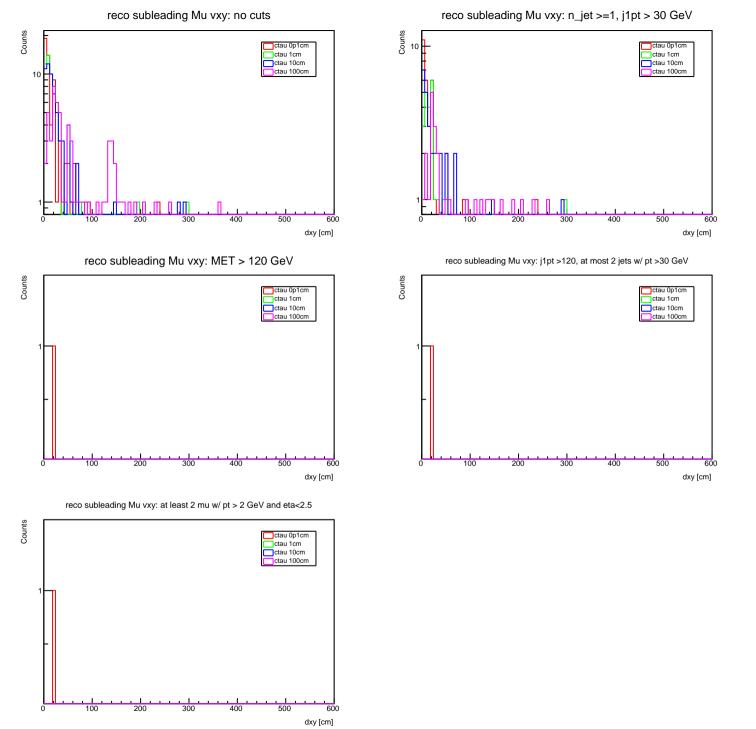


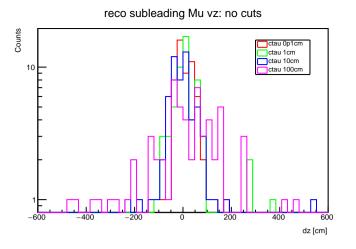


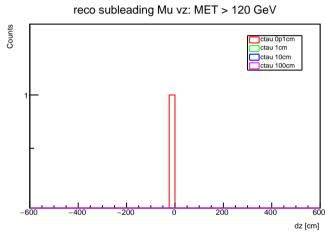


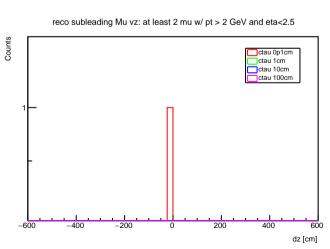
reco subleading Mu phi: j1pt >120, at most 2 jets w/ pt >30 GeV

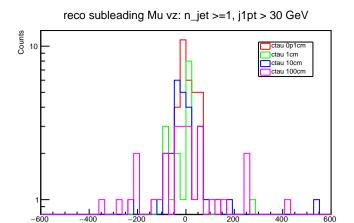




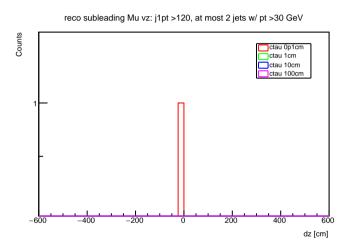


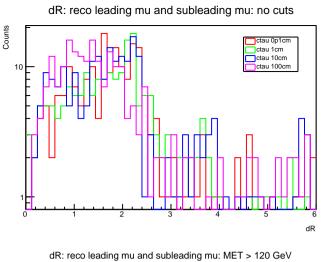


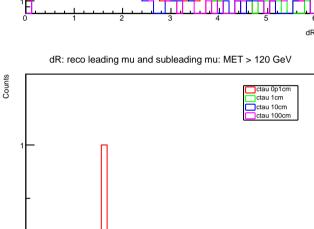


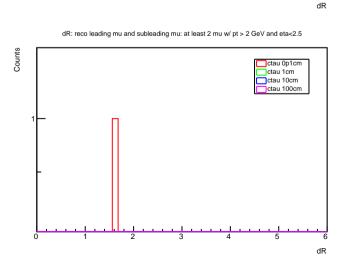


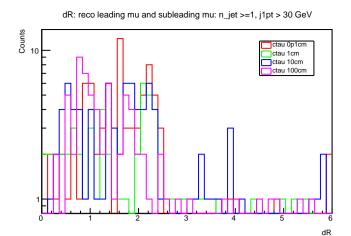
dz [cm]

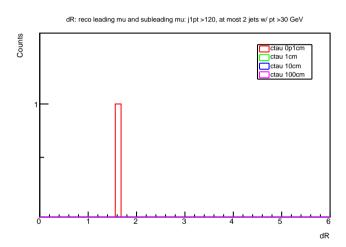


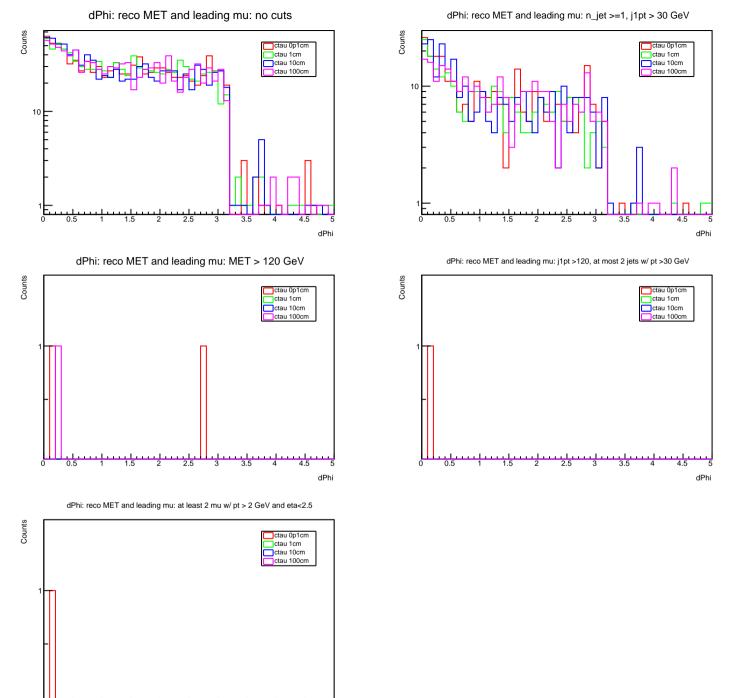




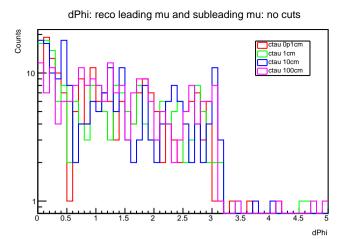




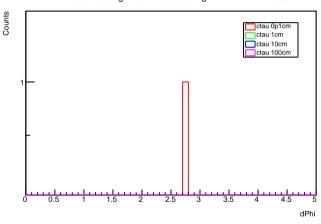




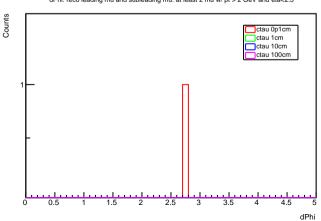
dPhi



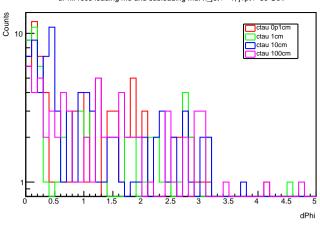




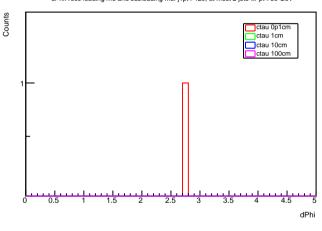
dPhi: reco leading mu and subleading mu: at least 2 mu w/ pt > 2 GeV and eta<2.5

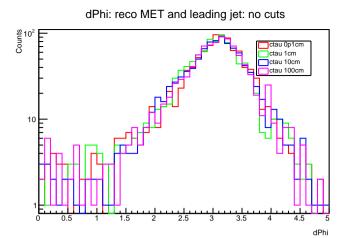


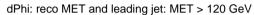
dPhi: reco leading mu and subleading mu: n\_jet >=1, j1pt > 30 GeV

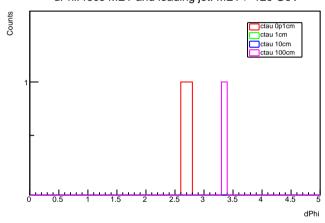


dPhi: reco leading mu and subleading mu: j1pt >120, at most 2 jets w/ pt >30 GeV

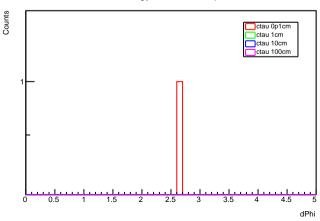




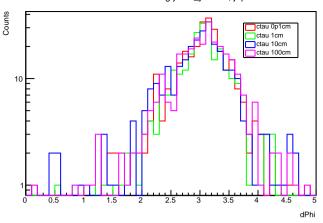




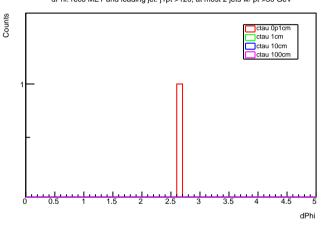
dPhi: reco MET and leading jet: at least 2 mu w/ pt > 2 GeV and eta<2.5

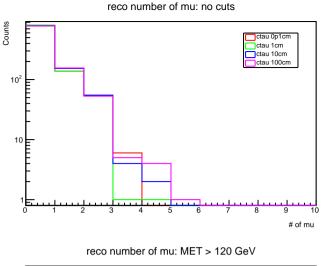


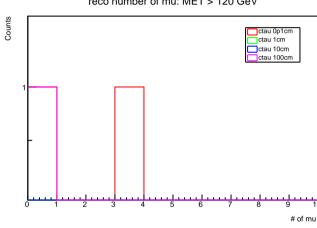
dPhi: reco MET and leading jet: n\_jet >=1, j1pt > 30 GeV

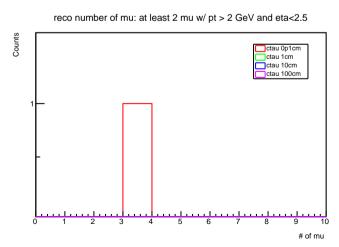


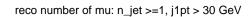
dPhi: reco MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV

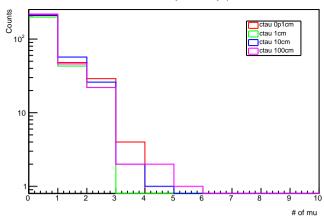




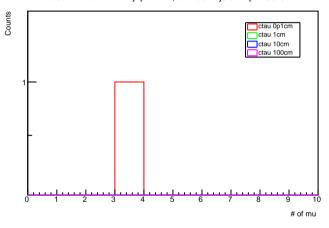


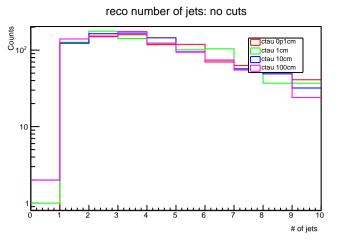


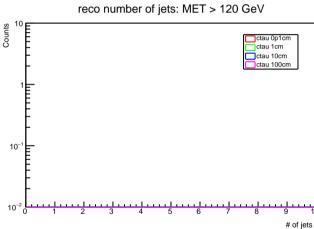


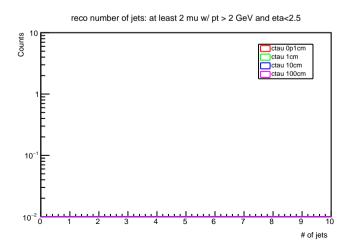


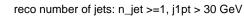
reco number of mu: j1pt >120, at most 2 jets w/ pt >30 GeV

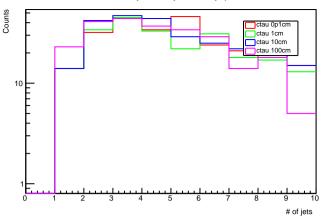




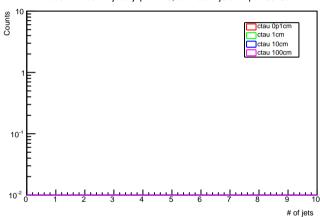


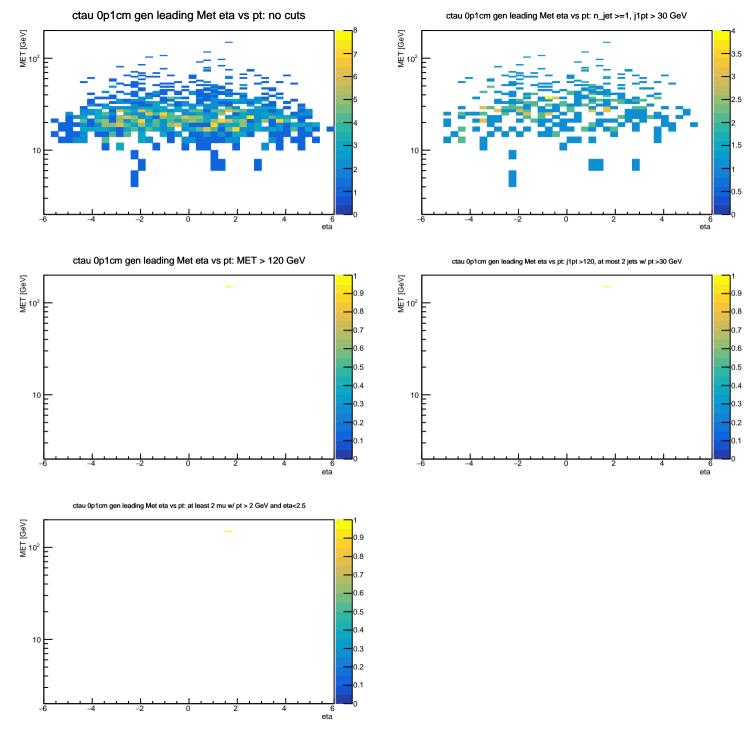


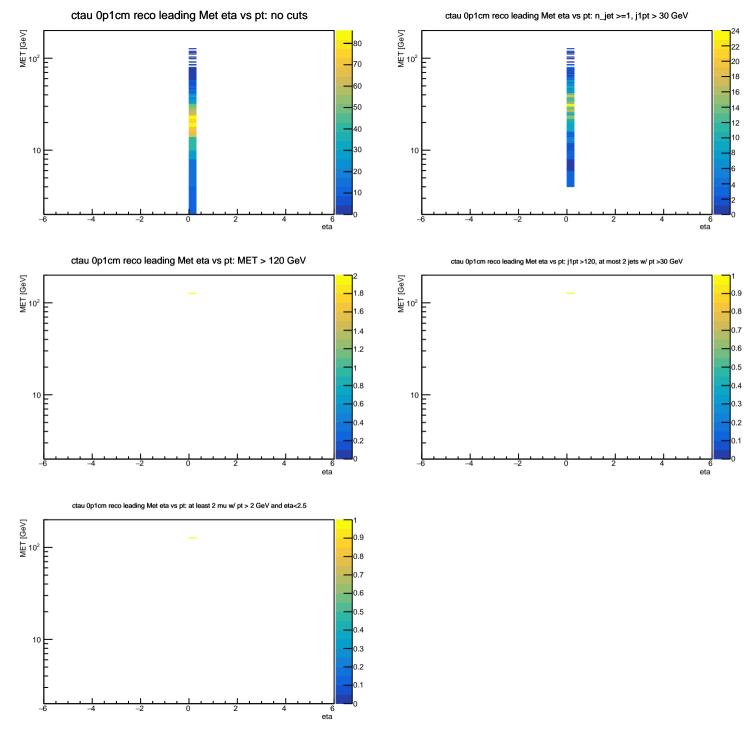


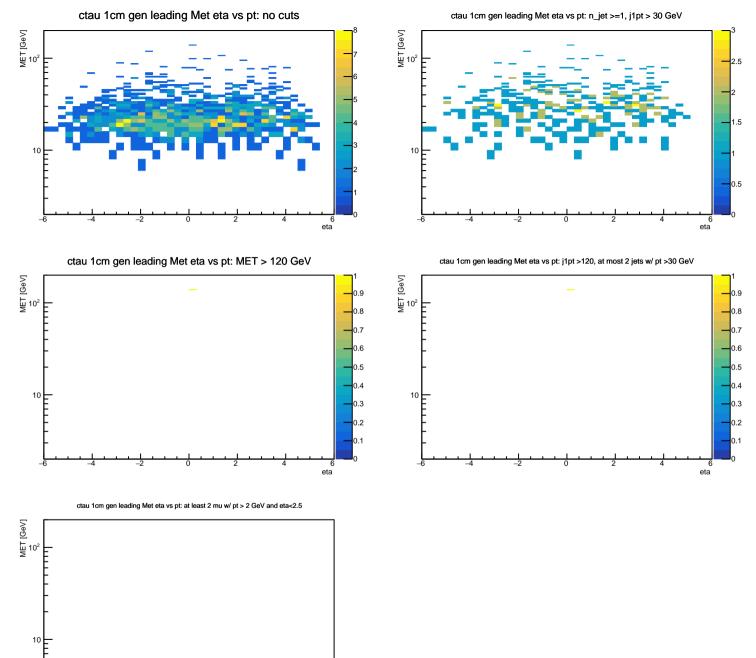


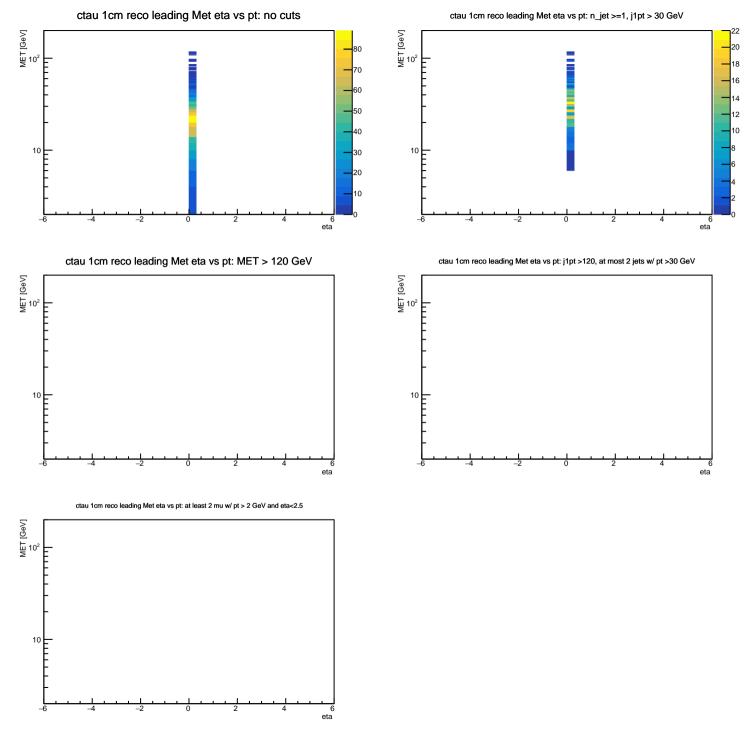
reco number of jets: j1pt >120, at most 2 jets w/ pt >30 GeV

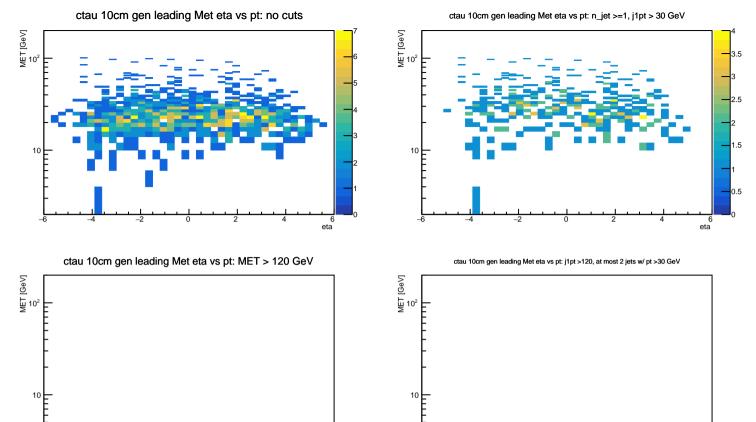


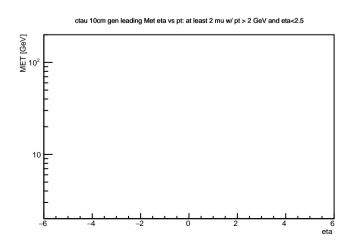


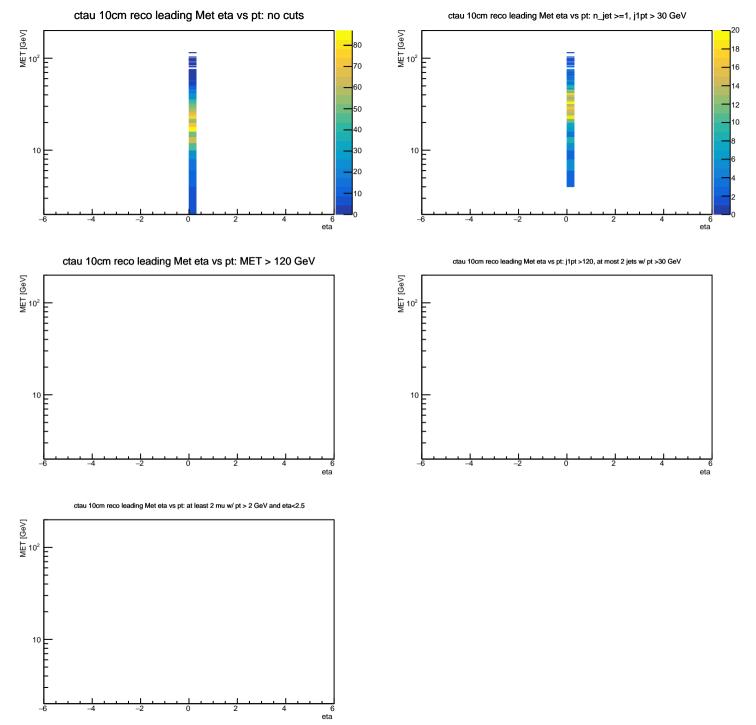


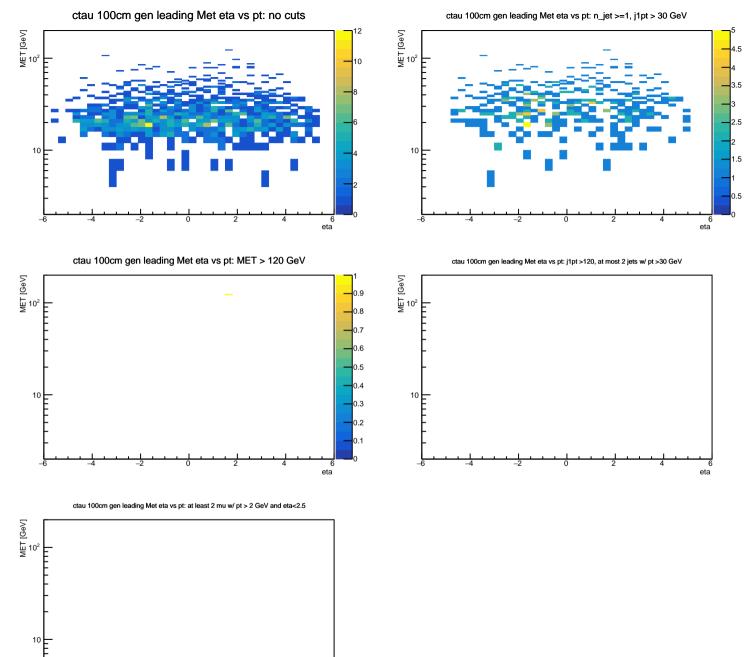


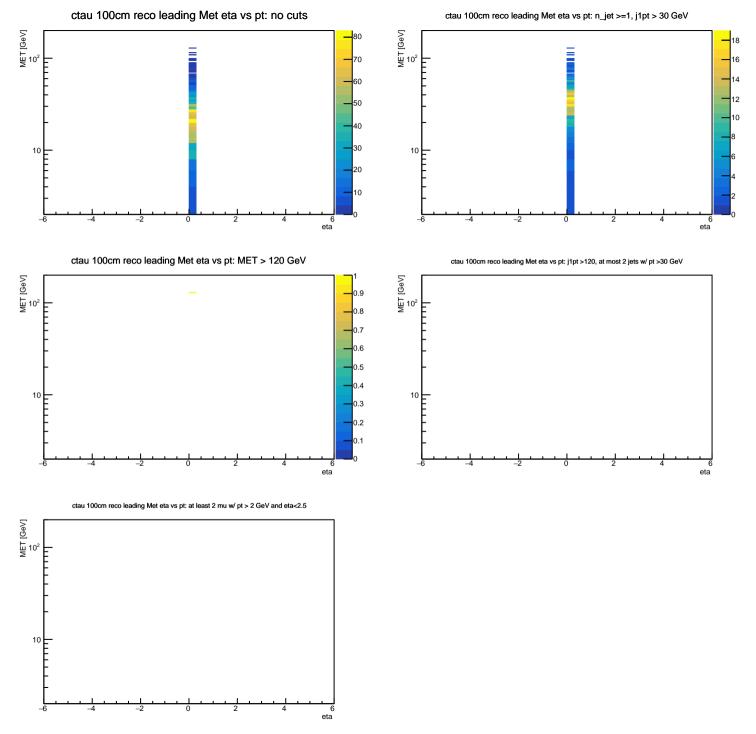






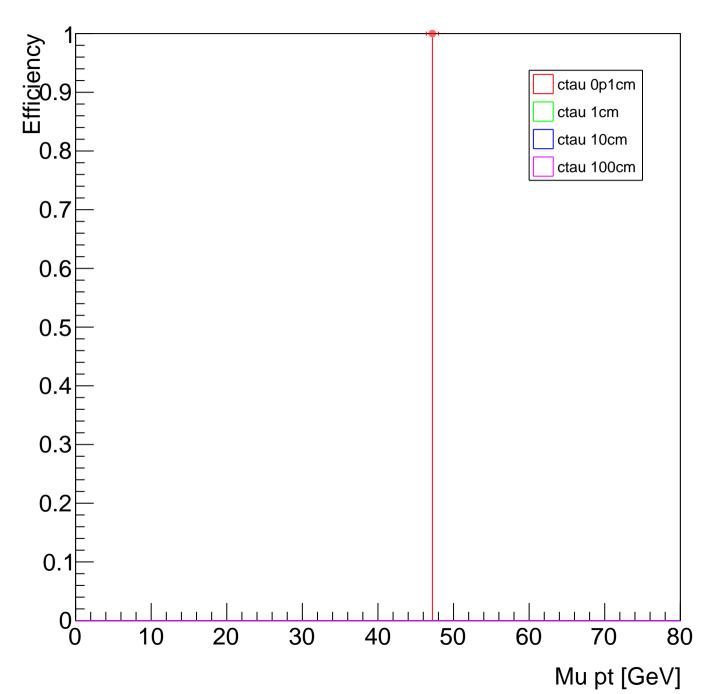




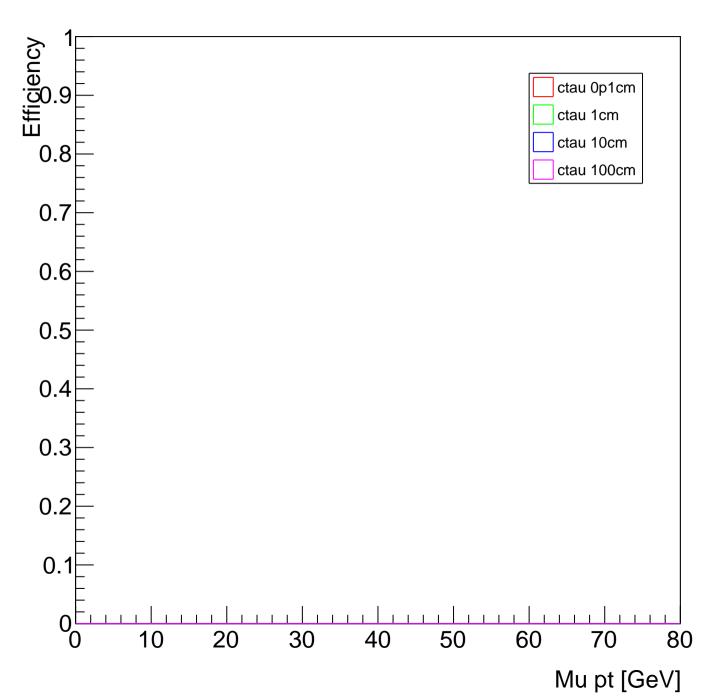


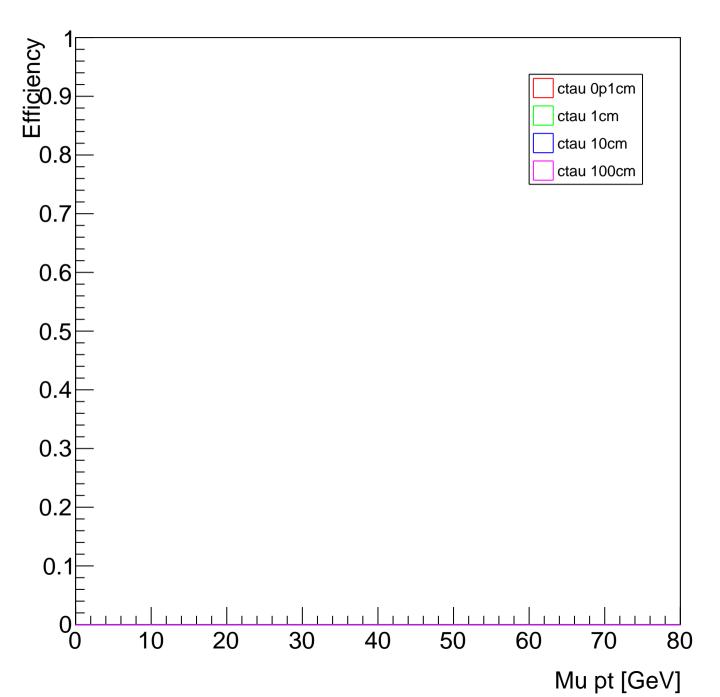


### trigefficiency HLT\_PFMET120\_PFMHT120

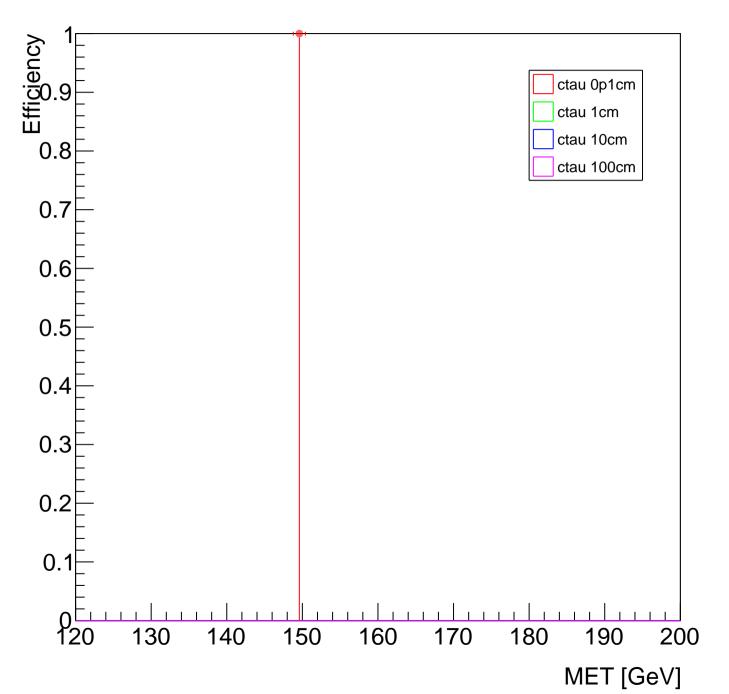


#### trigefficiency HLT\_DoubleMu3\_DCA\_PFMET50\_PFMHT60

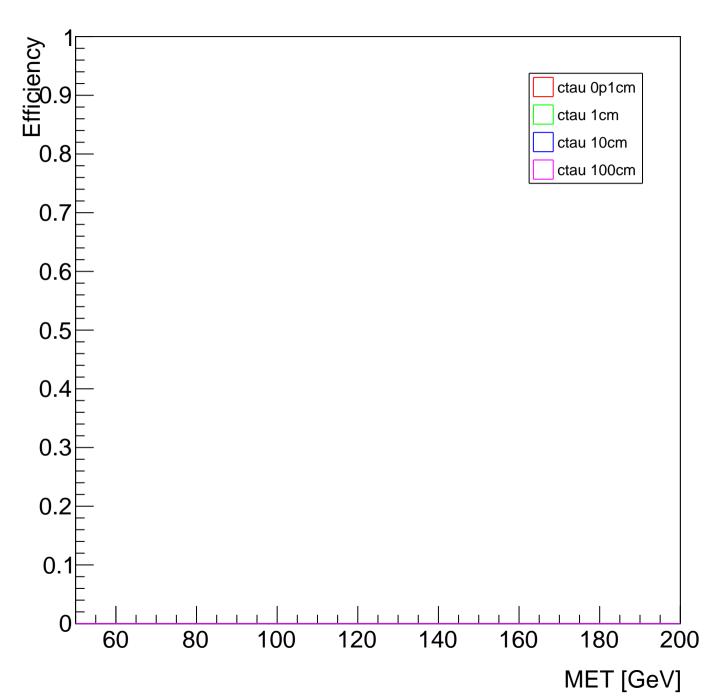




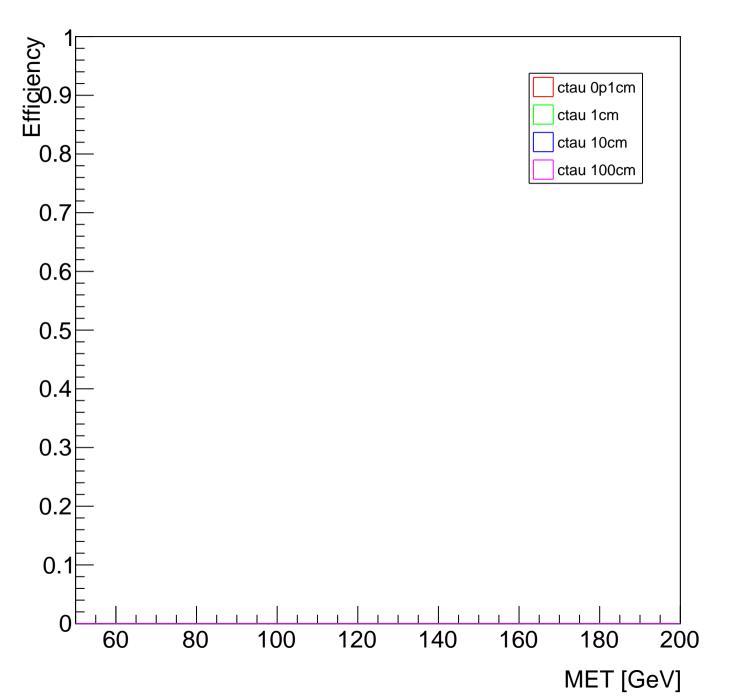
### trigefficiency HLT\_PFMET120\_PFMHT120



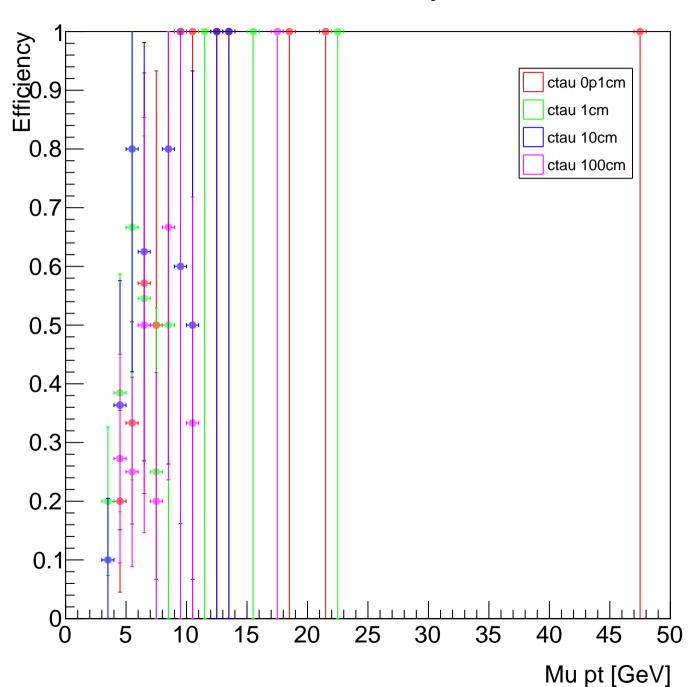
#### trigefficiency HLT\_DoubleMu3\_DCA\_PFMET50\_PFMHT60



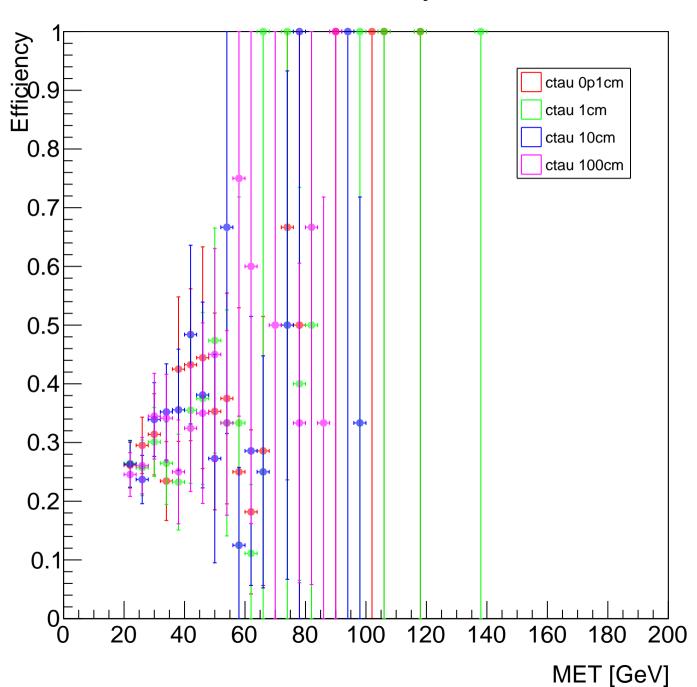
#### trigefficiency HLT\_DoubleMu3\_DZ\_PFMET50\_PFMHT60



## recoefficiency mu



## recoefficiency met



# recoefficiency met

