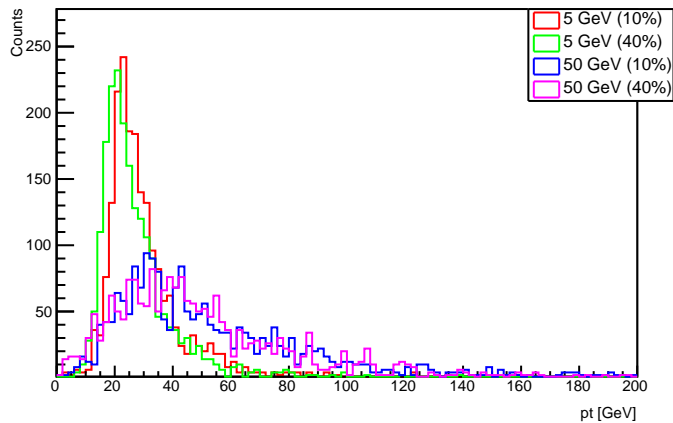
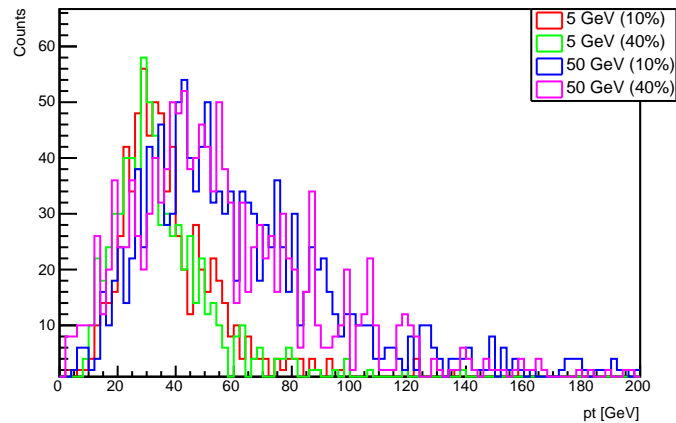
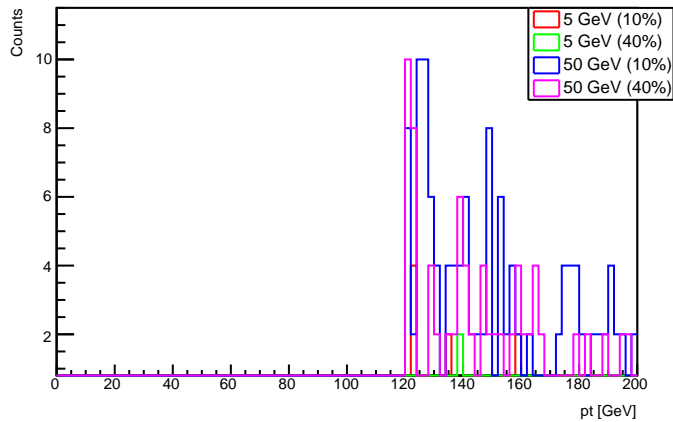
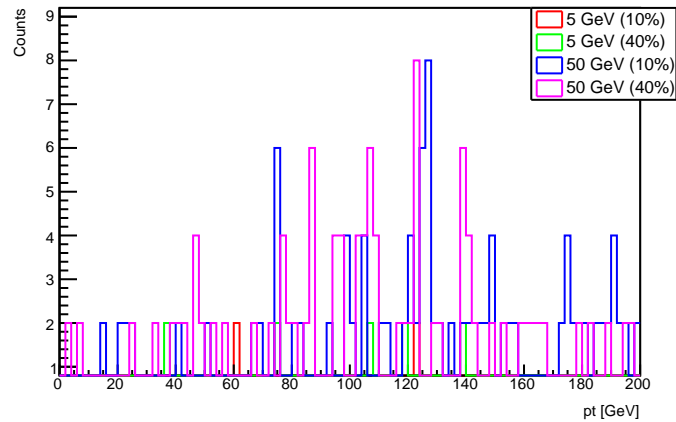
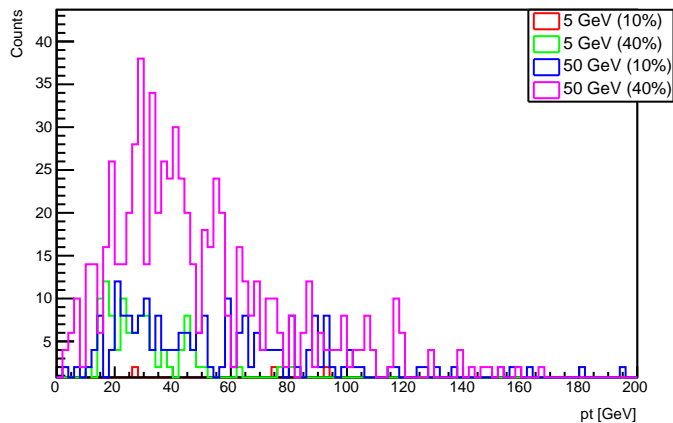


ctau 1cm

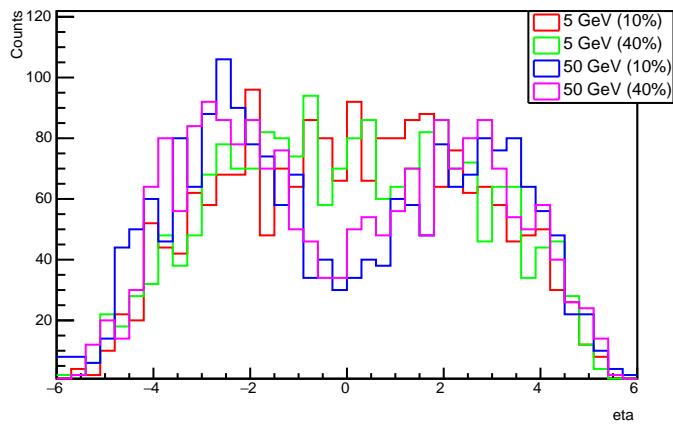
gen leading MET: no cuts

gen leading MET: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

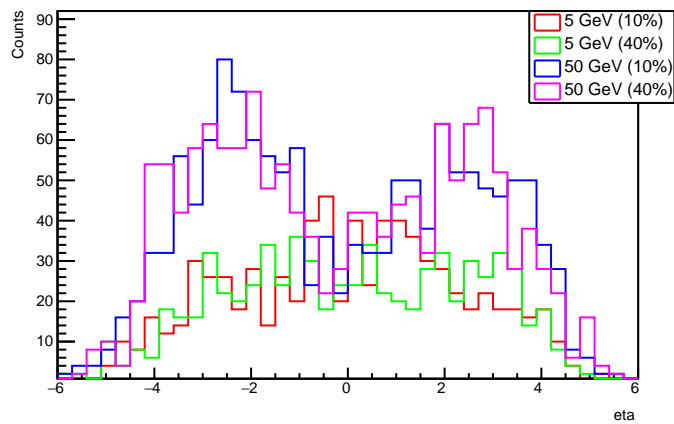
gen leading MET: MET > 120 GeV

gen leading MET: $j_{1\text{pt}} > 120$, at most 2 jets w/ $pt > 30$ GeVgen leading MET: at least 2 mu w/ $pt \geq 2$ GeV and $|\eta| < 2.5$ 

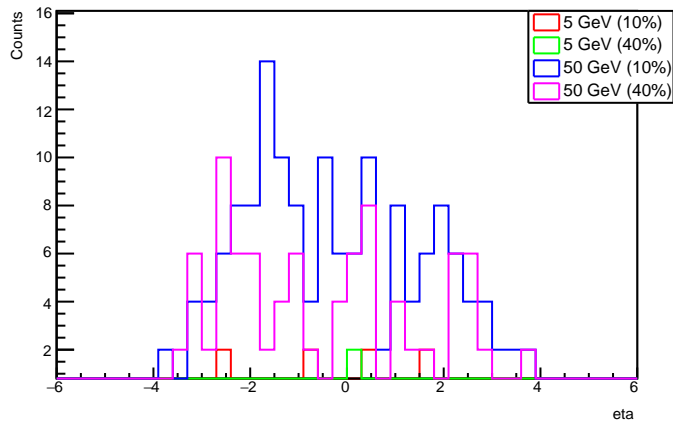
gen leading Met eta: no cuts



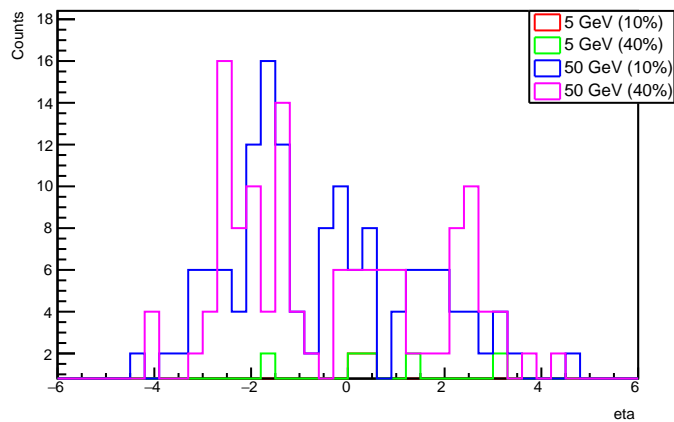
gen leading Met eta: n_jet >=1, j1pt > 30 GeV



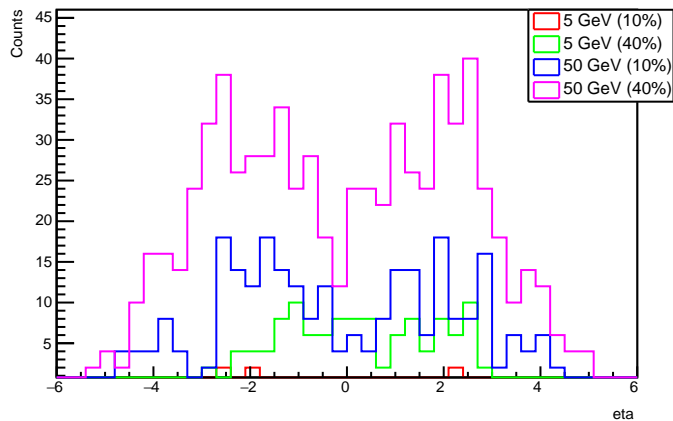
gen leading Met eta: MET > 120 GeV



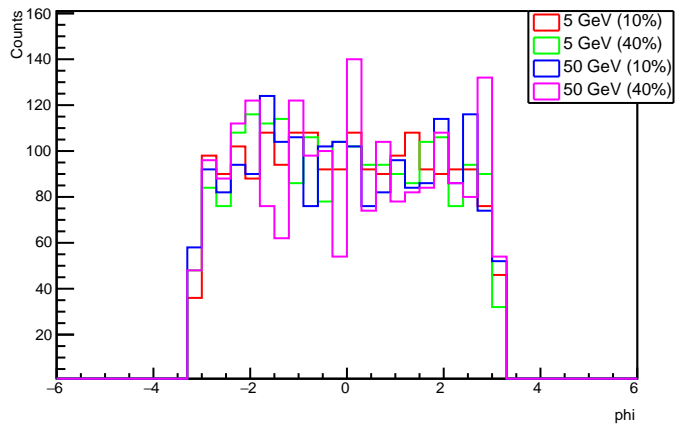
gen leading Met eta: j1pt >120, at most 2 jets w/ pt >30 GeV



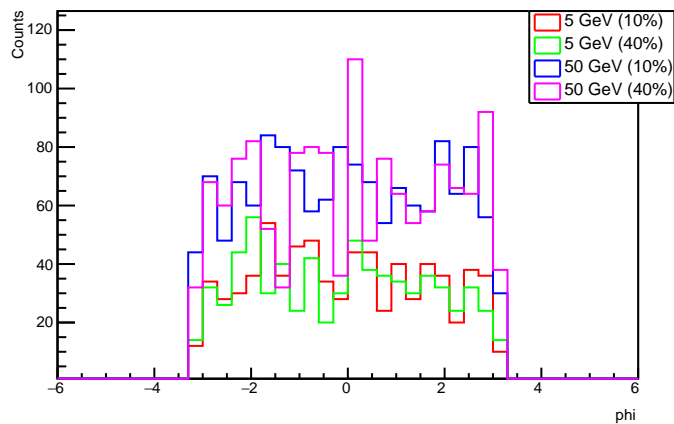
gen leading Met eta: at least 2 mu w/ pt > 2 GeV and eta < 2.5



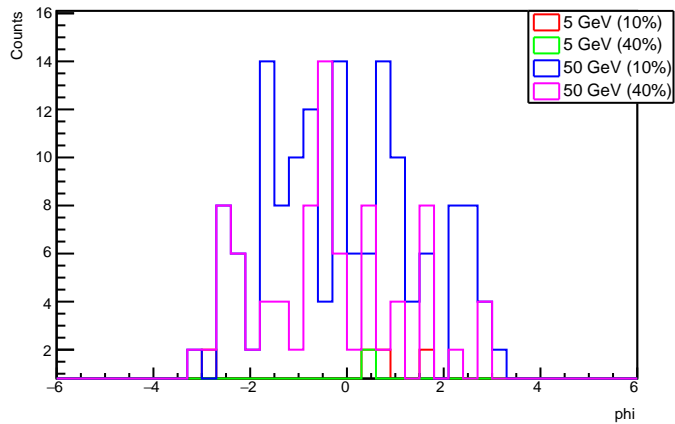
gen leading Met phi: no cuts



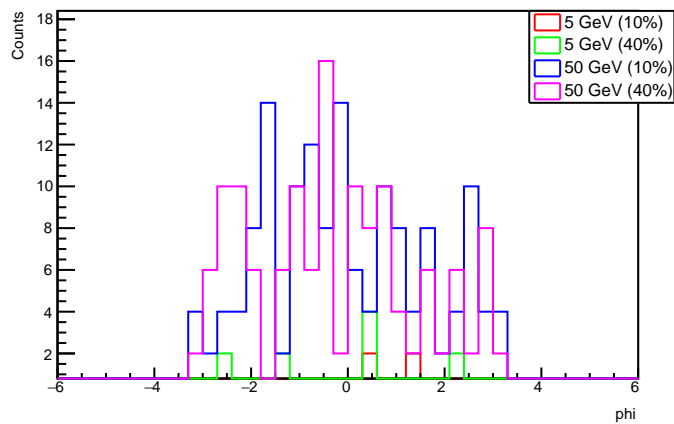
gen leading Met phi: n_jet >=1, j1pt > 30 GeV



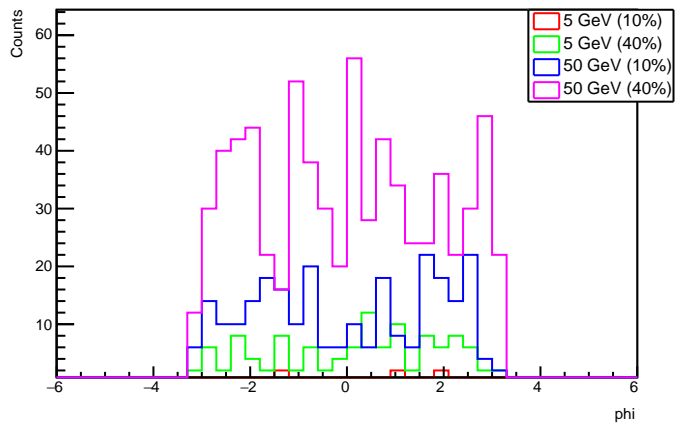
gen leading Met phi: MET > 120 GeV



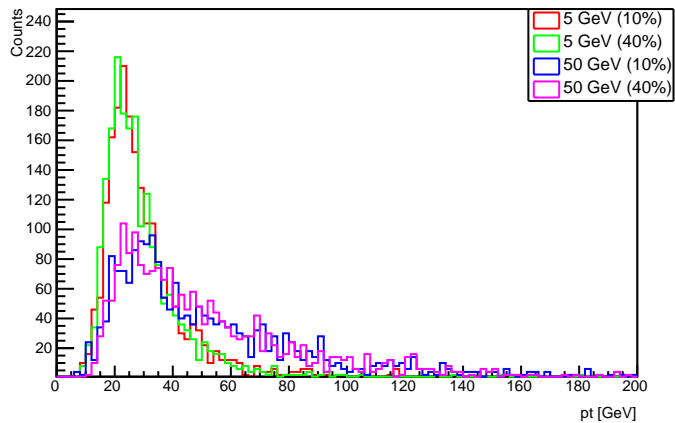
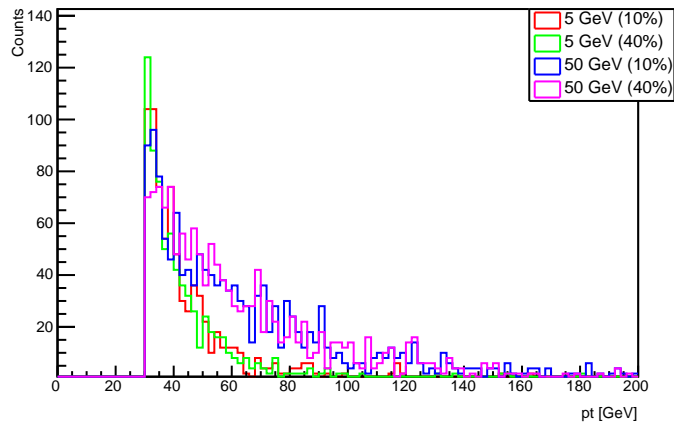
gen leading Met phi: j1pt >120, at most 2 jets w/ pt >30 GeV



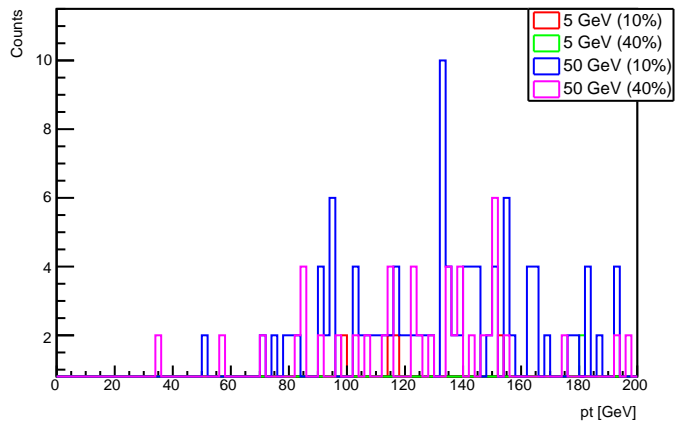
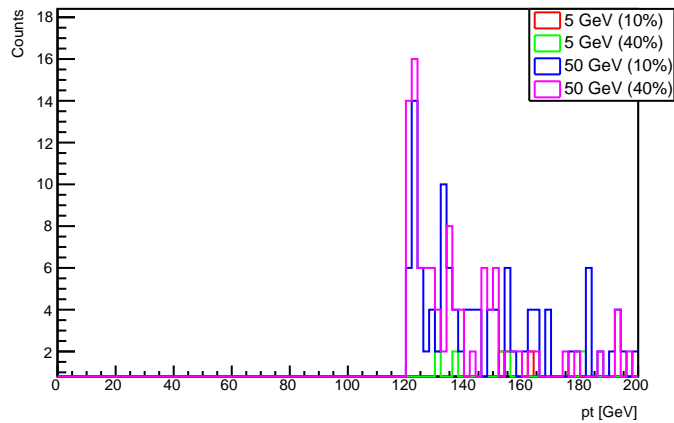
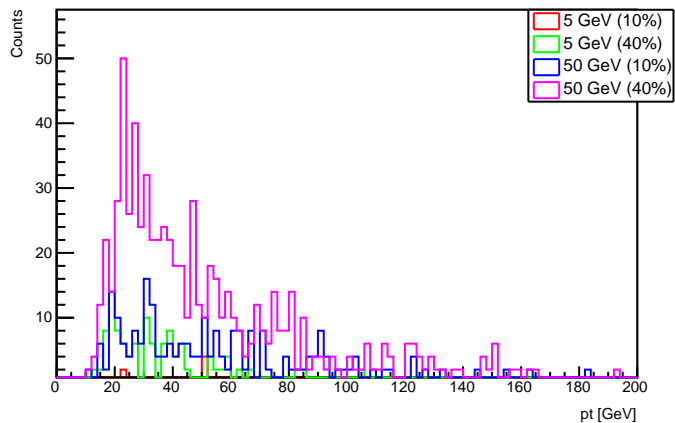
gen leading Met phi: at least 2 mu w/ pt > 2 GeV and eta < 2.5



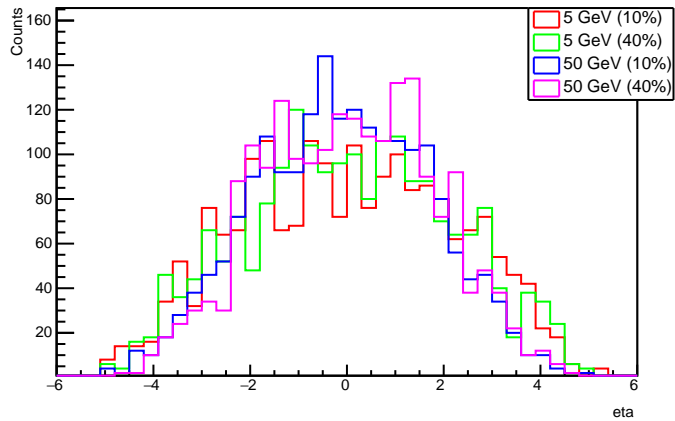
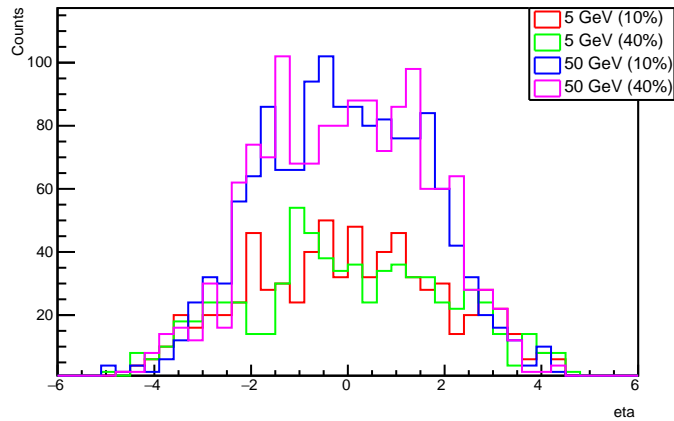
gen leading Jet pt: no cuts

gen leading Jet pt: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

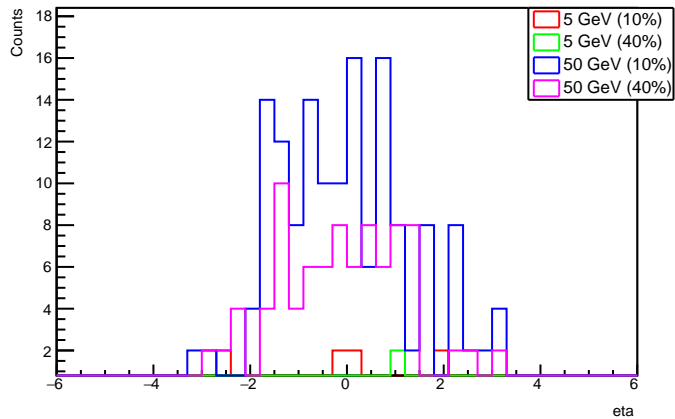
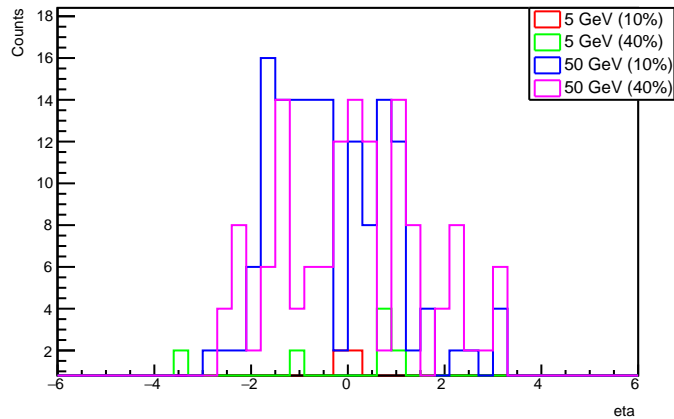
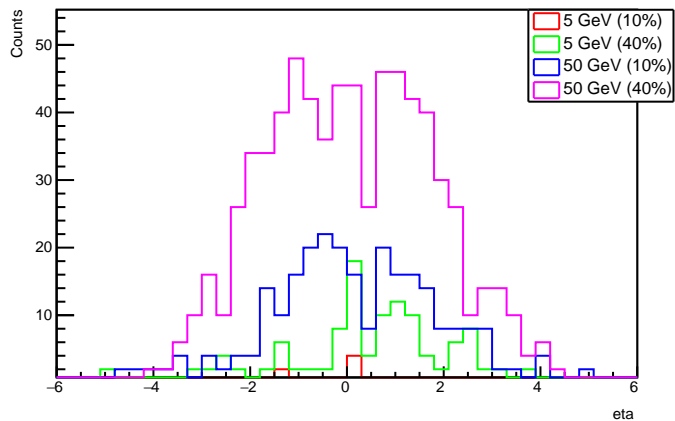
gen leading Jet pt: MET > 120 GeV

gen leading Jet pt: $j_{1\text{pt}} > 120$, at most 2 jets w/ $pt > 30$ GeVgen leading Jet pt: at least 2 mu w/ $pt \geq 2$ GeV and $|\eta| < 2.5$ 

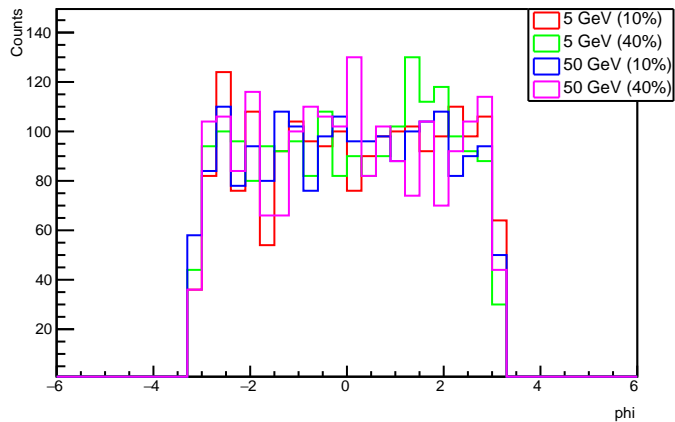
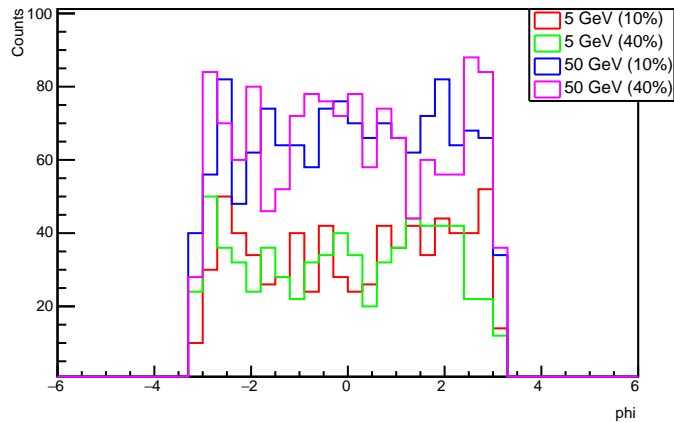
gen leading Jet eta: no cuts

gen leading Jet eta: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

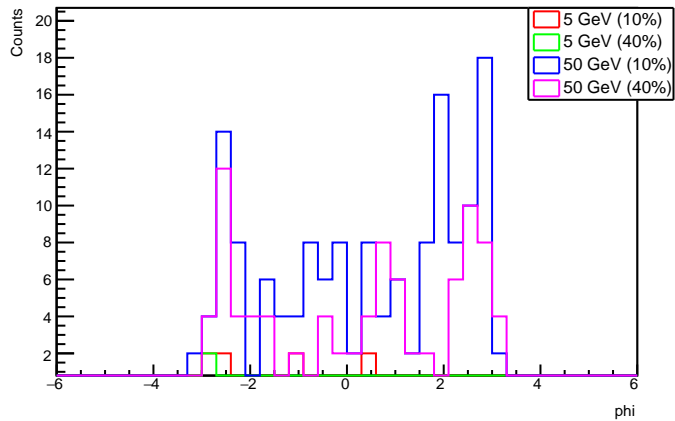
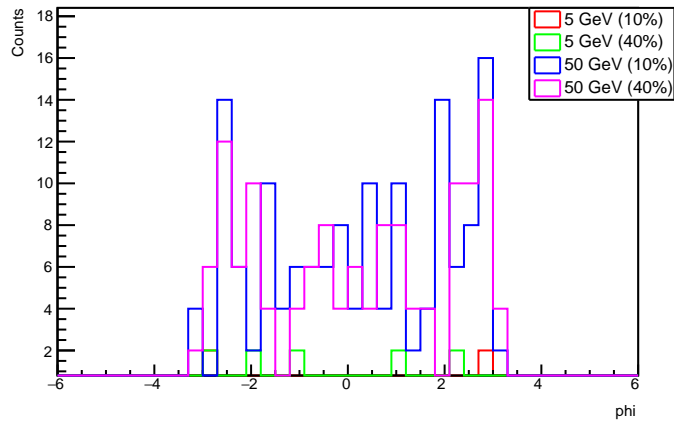
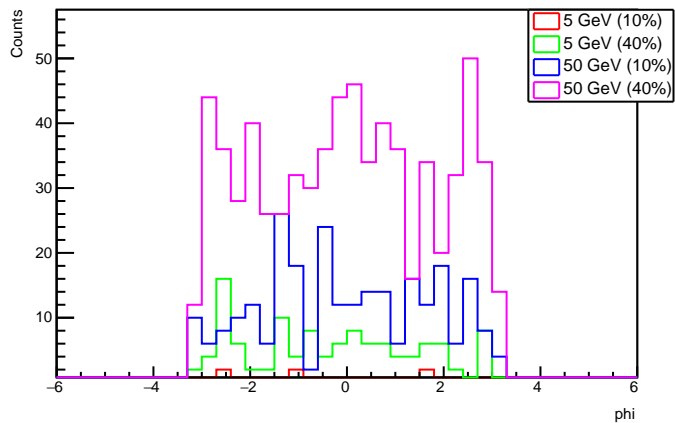
gen leading Jet eta: MET > 120 GeV

gen leading Jet eta: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen leading Jet eta: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

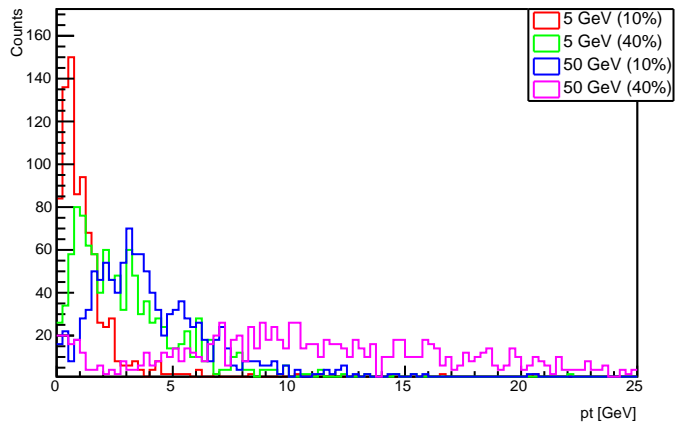
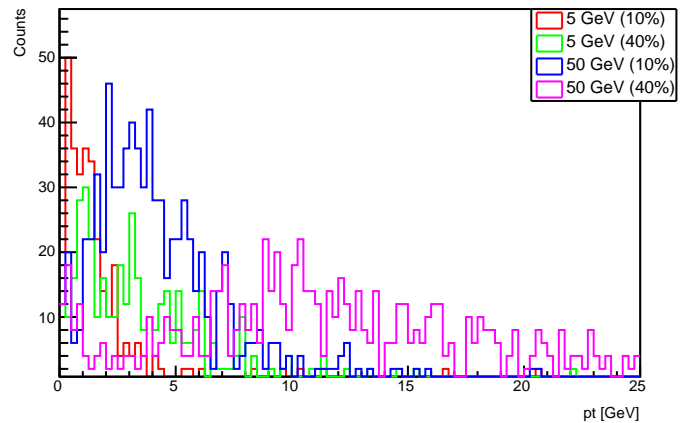
gen leading Jet phi: no cuts

gen leading Jet phi: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

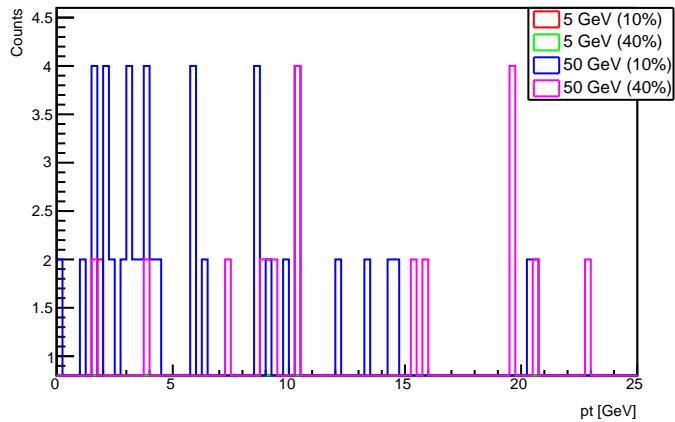
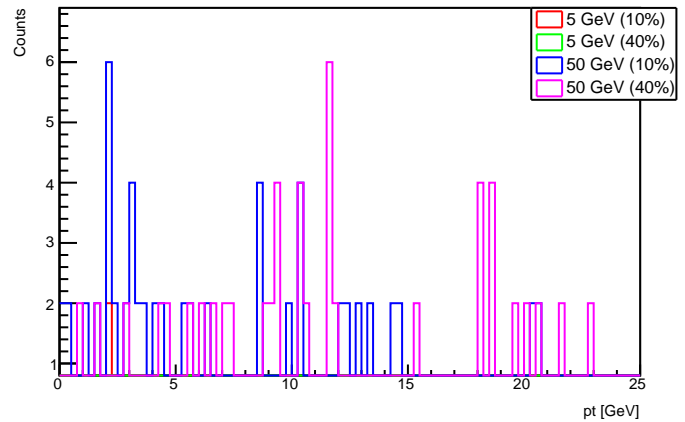
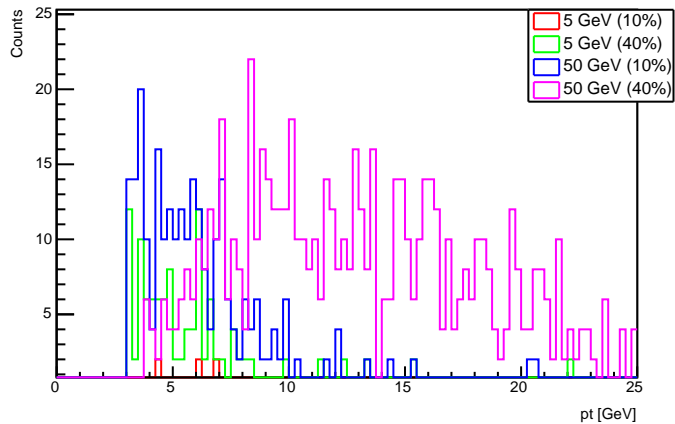
gen leading Jet phi: MET > 120 GeV

gen leading Jet phi: $j_{1\text{pt}} > 120$, at most 2 jets w/ $pt > 30$ GeVgen leading Jet phi: at least 2 mu w/ $pt \geq 2$ GeV and $|\eta| < 2.5$ 

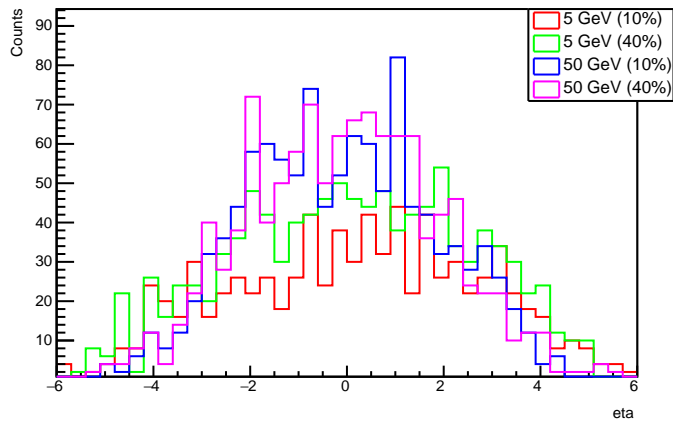
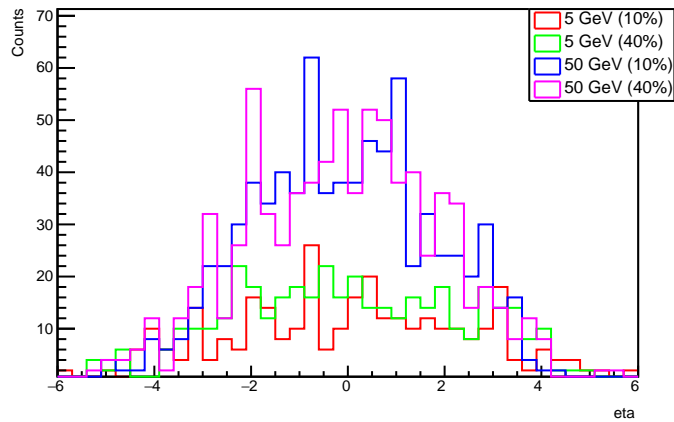
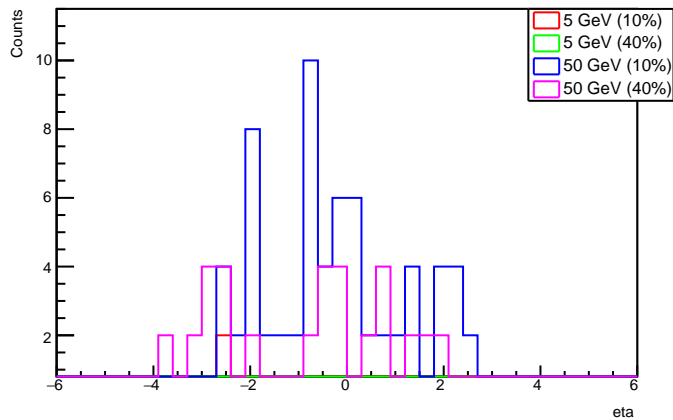
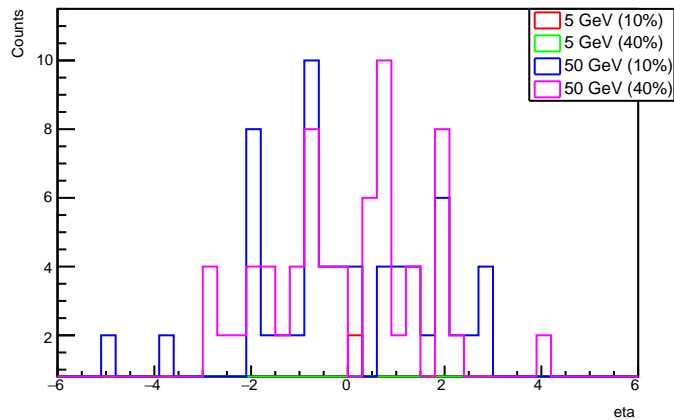
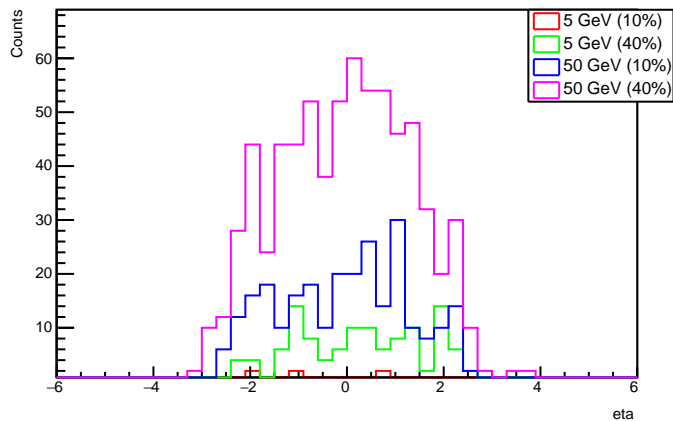
gen leading Mu pt: no cuts

gen leading Mu pt: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

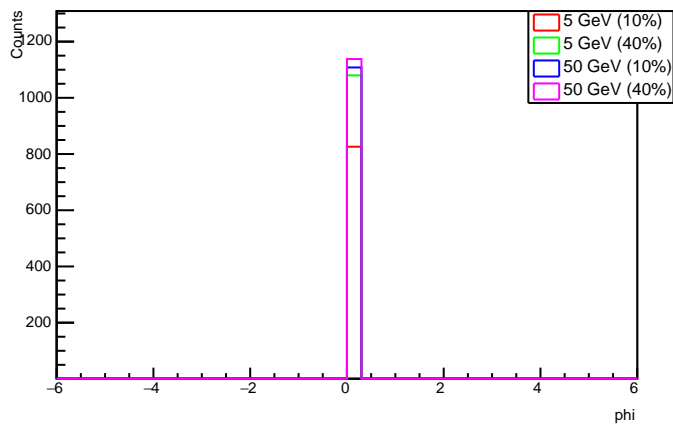
gen leading Mu pt: MET > 120 GeV

gen leading Mu pt: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen leading Mu pt: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

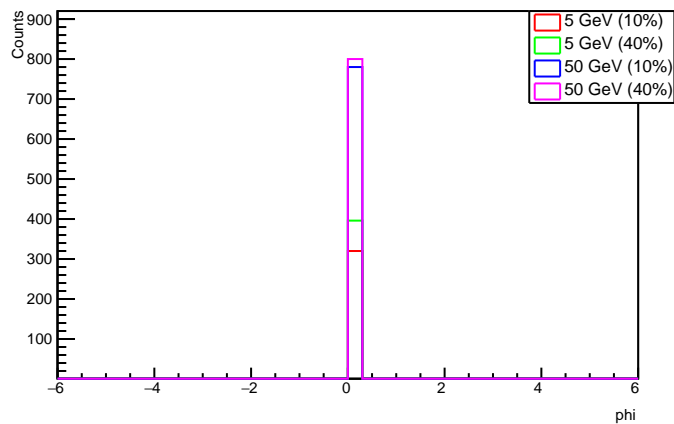
gen leading Mu eta: no cuts

gen leading Mu eta: $n_{\text{jet}} \geq 1, j_{1\text{pt}} > 30 \text{ GeV}$ gen leading Mu eta: $\text{MET} > 120 \text{ GeV}$ gen leading Mu eta: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30 \text{ GeV}$ gen leading Mu eta: at least 2 mu w/ $p_t \geq 2 \text{ GeV}$ and $\eta < 2.5$ 

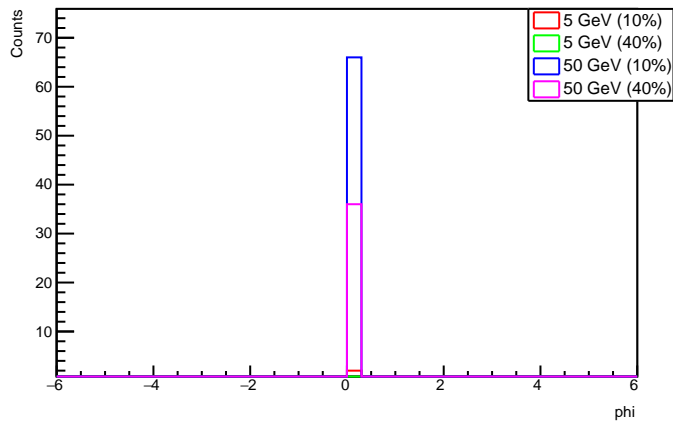
gen leading Mu phi: no cuts



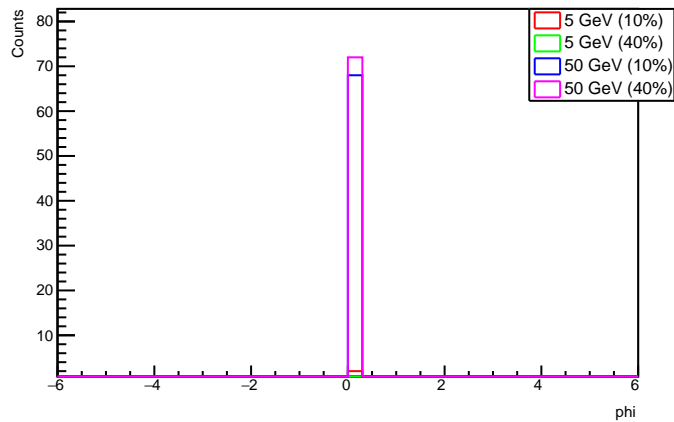
gen leading Mu phi: n_jet >=1, j1pt > 30 GeV



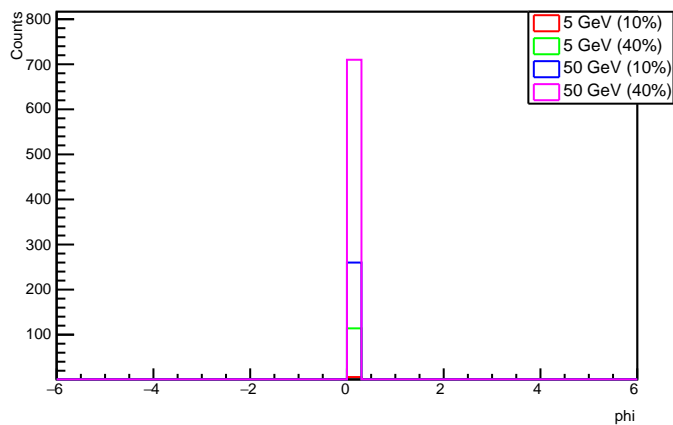
gen leading Mu phi: MET > 120 GeV



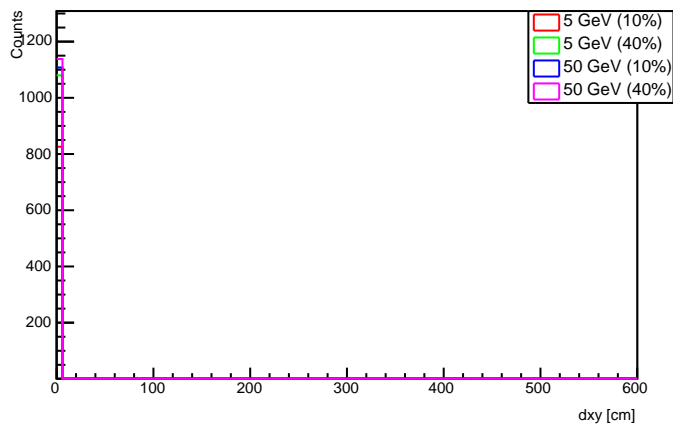
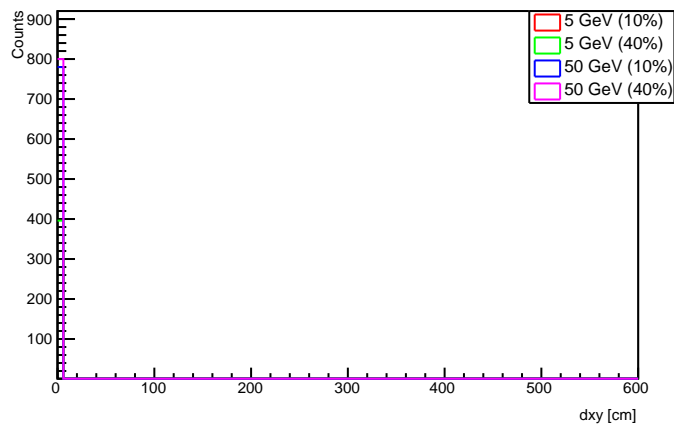
gen leading Mu phi: j1pt >120, at most 2 jets w/ pt >30 GeV



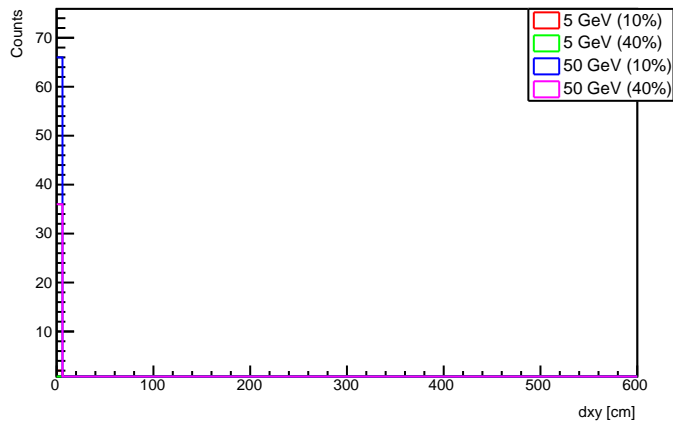
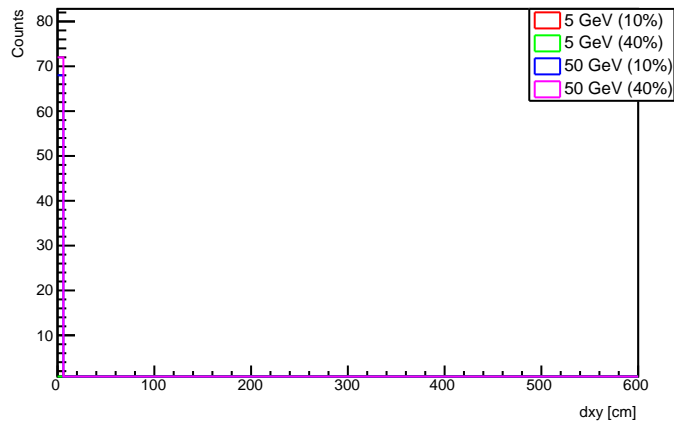
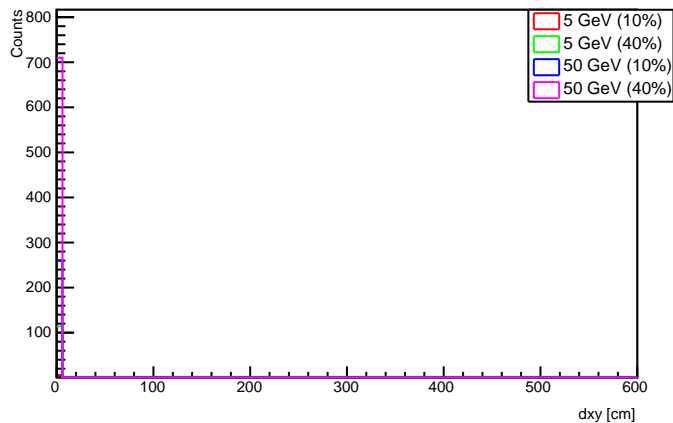
gen leading Mu phi: at least 2 mu w/ pt > 2 GeV and eta<2.5



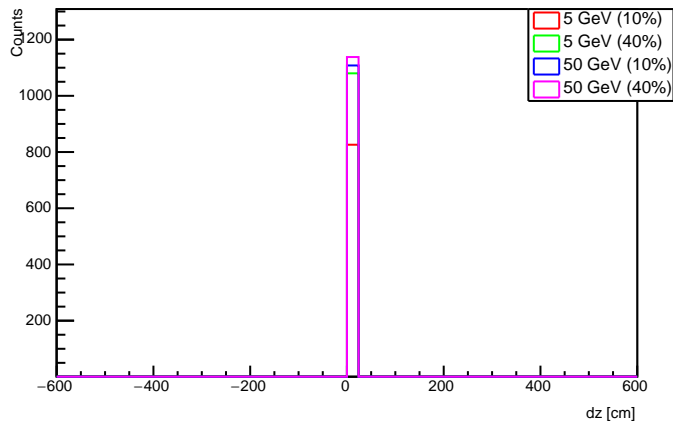
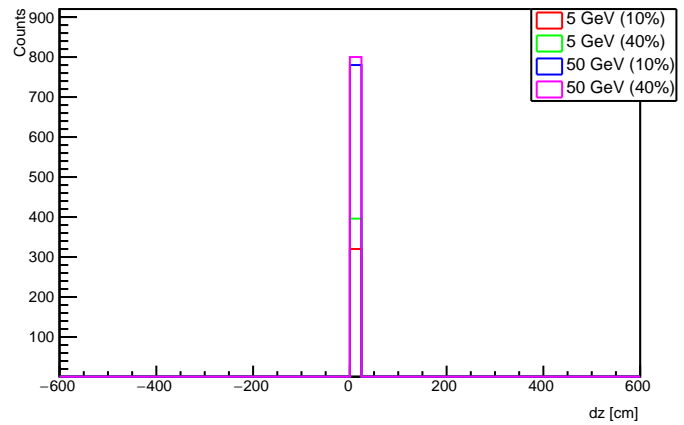
gen leading Mu vxy: no cuts

gen leading Mu vxy: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

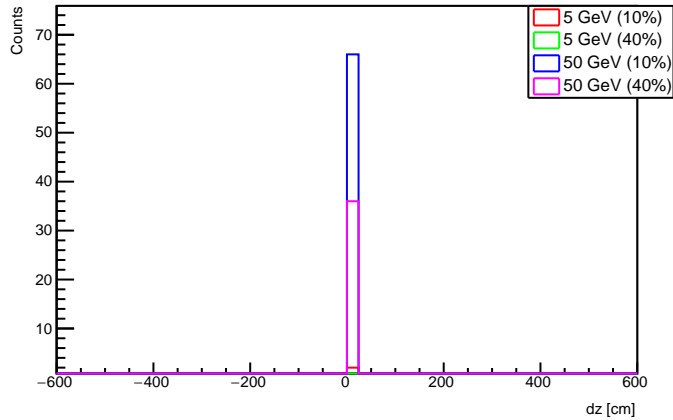
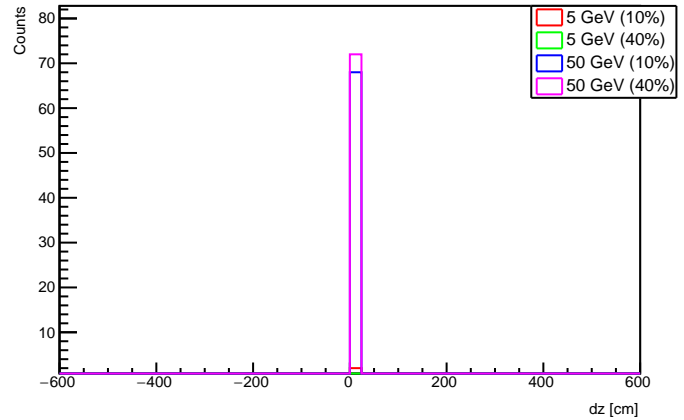
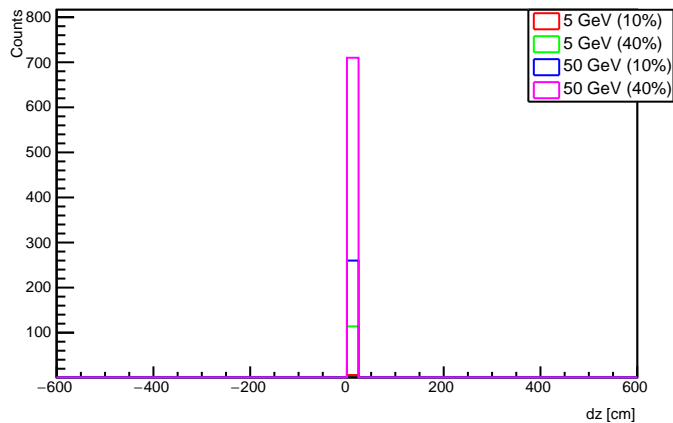
gen leading Mu vxy: MET > 120 GeV

gen leading Mu vxy: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen leading Mu vxy: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

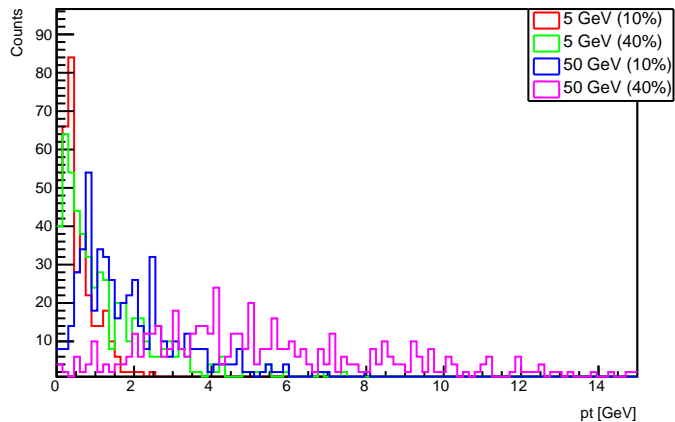
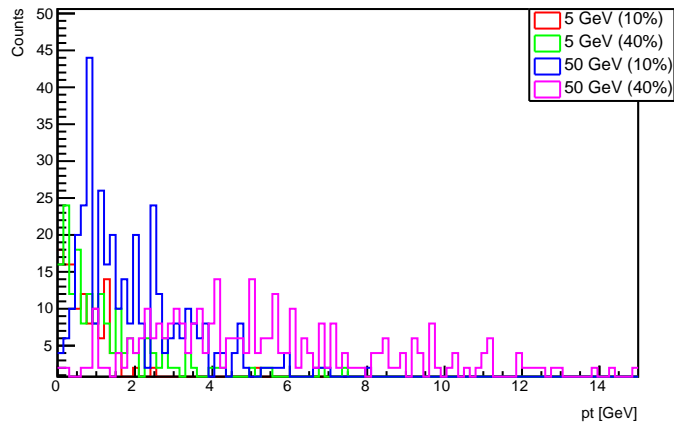
gen leading Mu vz: no cuts

gen leading Mu vz: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

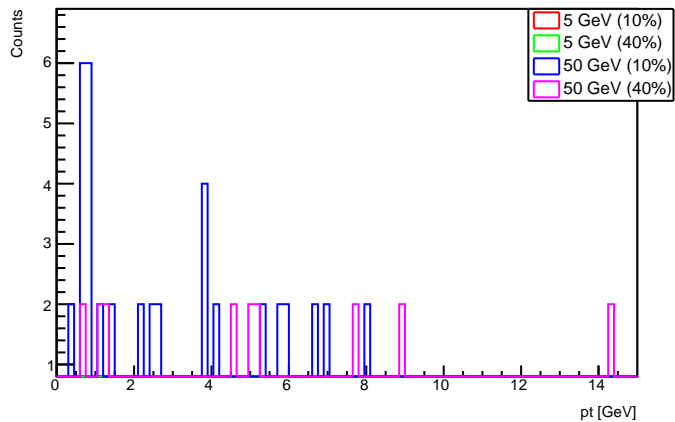
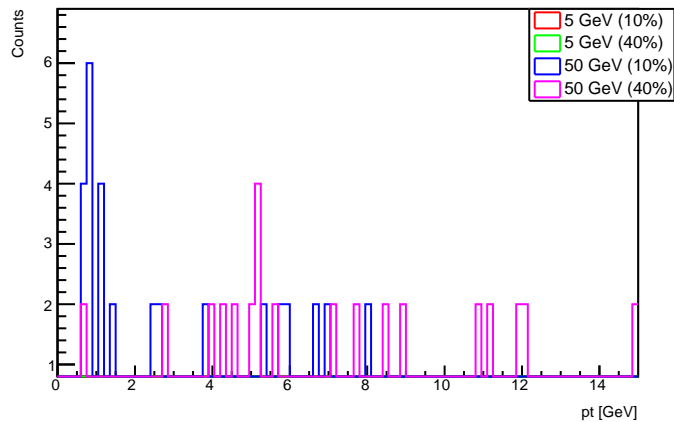
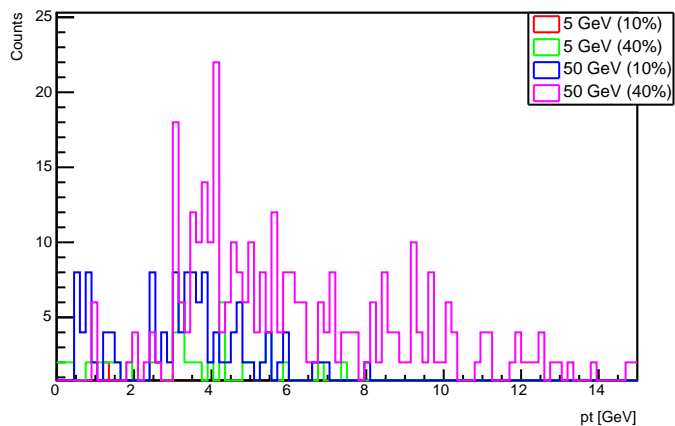
gen leading Mu vz: MET > 120 GeV

gen leading Mu vz: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen leading Mu vz: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

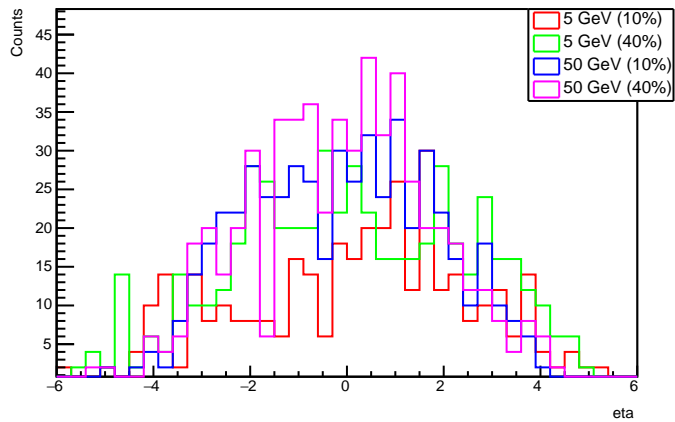
gen subleading Mu pt: no cuts

gen subleading Mu pt: $n_{\text{jet}} \geq 1, j_{1\text{pt}} > 30 \text{ GeV}$ 

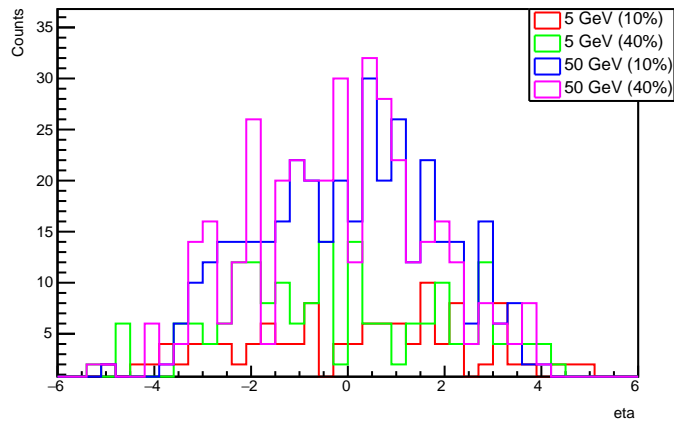
gen subleading Mu pt: MET > 120 GeV

gen subleading Mu pt: $j_{1\text{pt}} > 120, \text{ at most 2 jets w/ } p_t > 30 \text{ GeV}$ gen subleading Mu pt: at least 2 mu w/ $p_t \geq 2 \text{ GeV}$ and $\eta < 2.5$ 

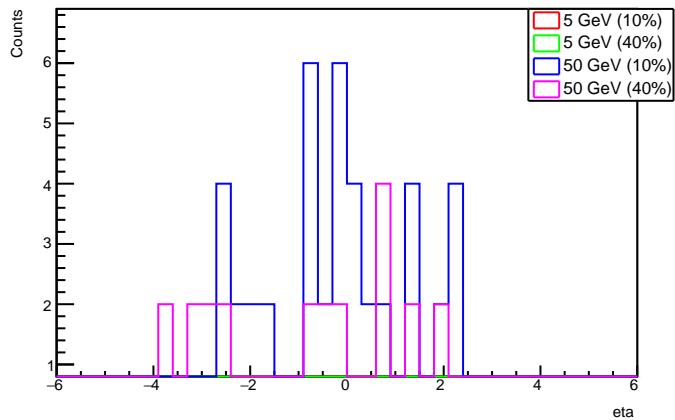
gen subleading Mu eta: no cuts



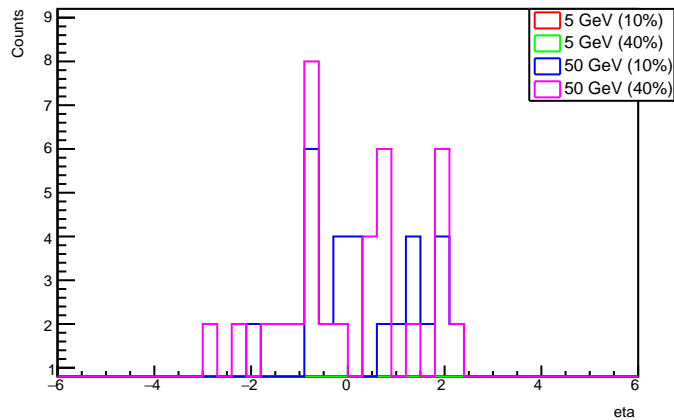
gen subleading Mu eta: n_jet >=1, j1pt > 30 GeV



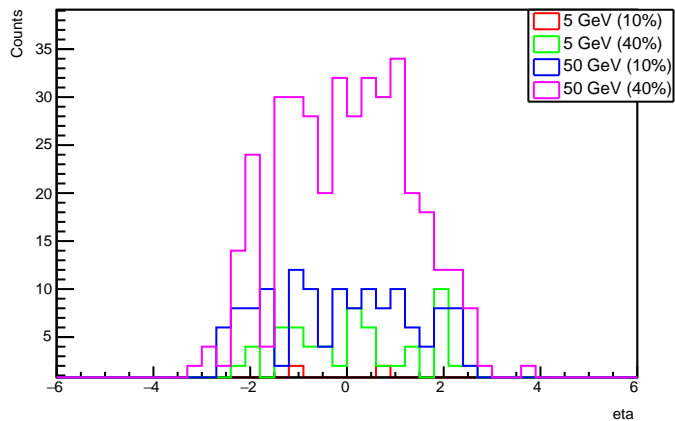
gen subleading Mu eta: MET > 120 GeV



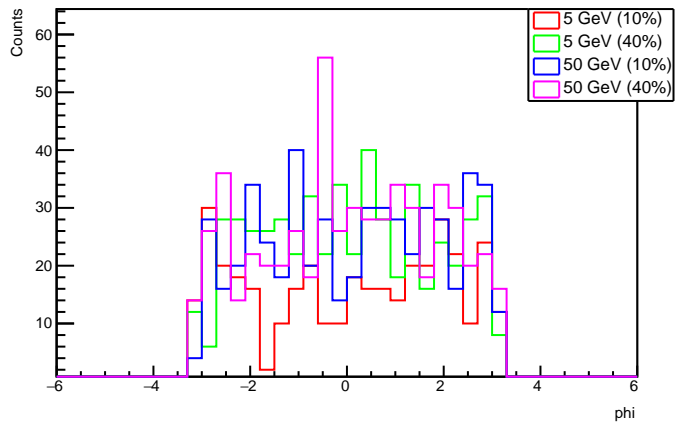
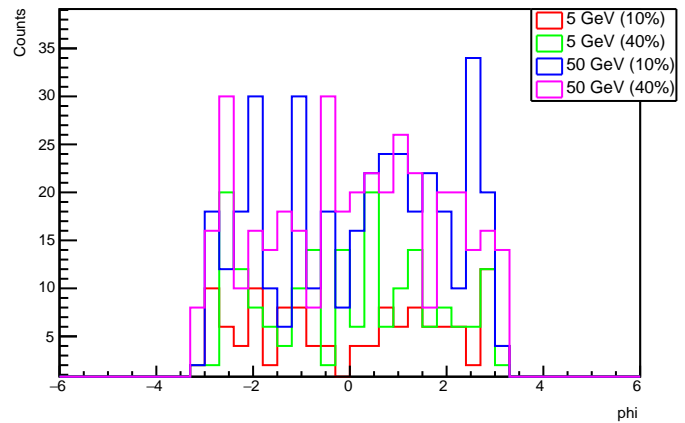
gen subleading Mu eta: j1pt >120, at most 2 jets w/ pt >30 GeV



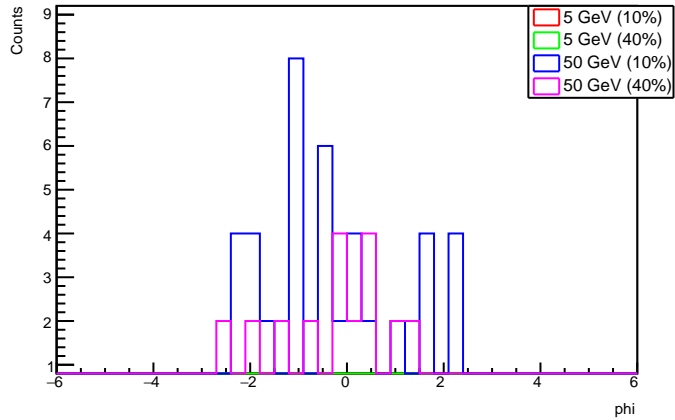
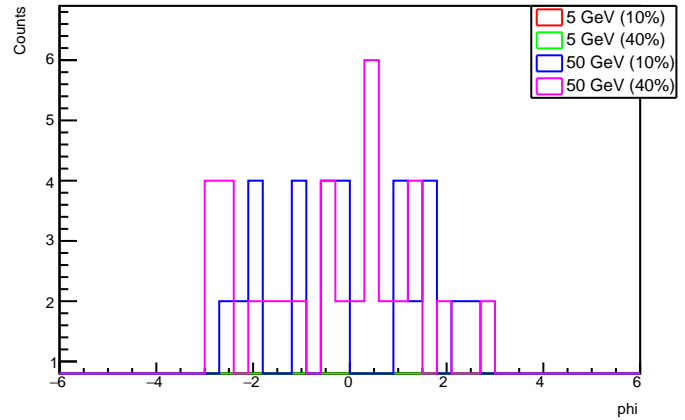
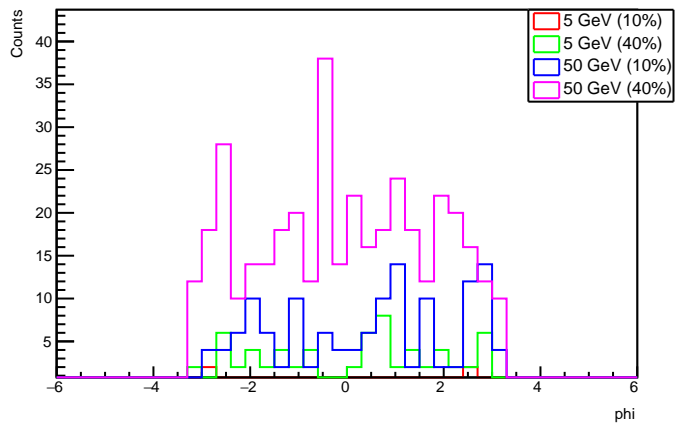
gen subleading Mu eta: at least 2 mu w/ pt > 2 GeV and eta < 2.5



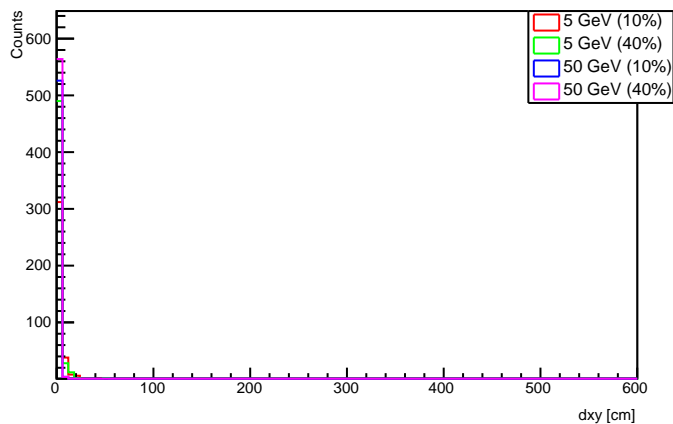
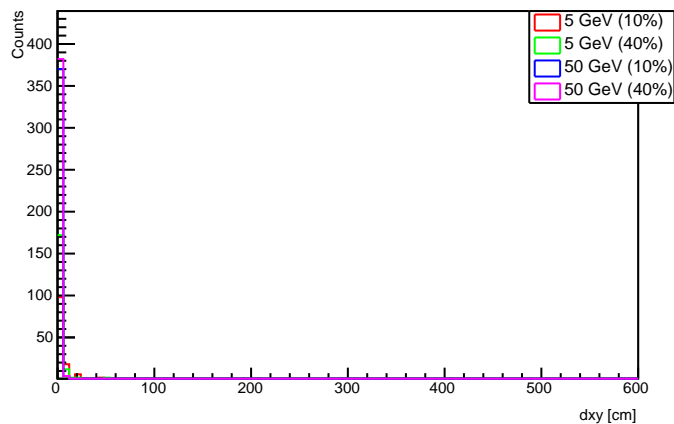
gen subleading Mu phi: no cuts

gen subleading Mu phi: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

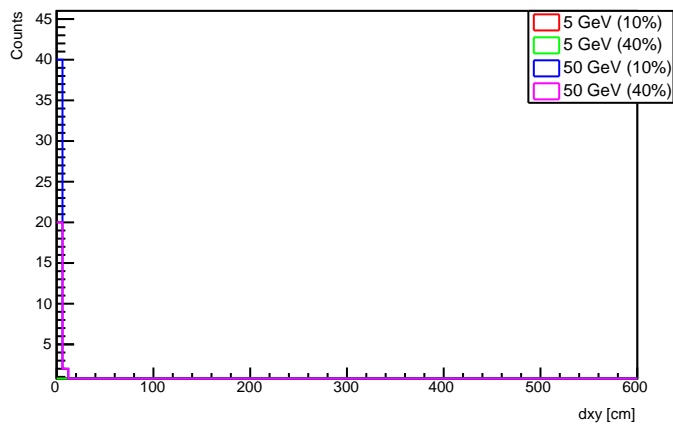
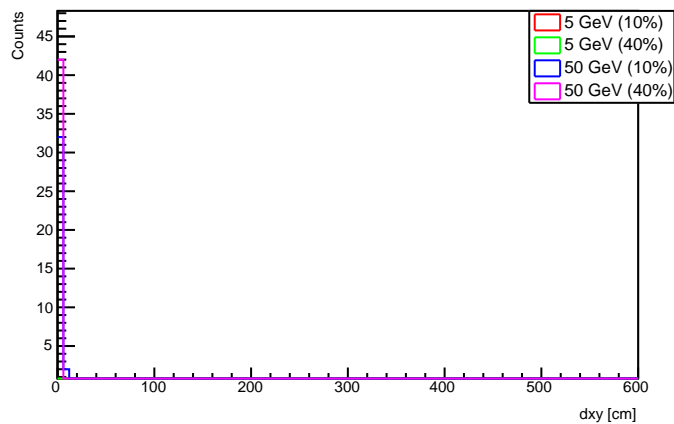
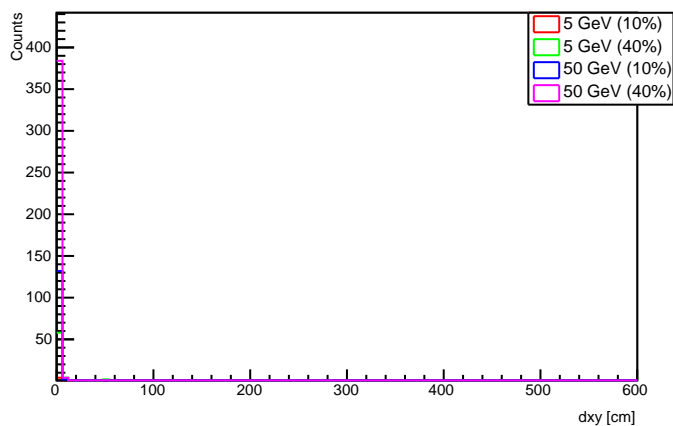
gen subleading Mu phi: MET > 120 GeV

gen subleading Mu phi: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen subleading Mu phi: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

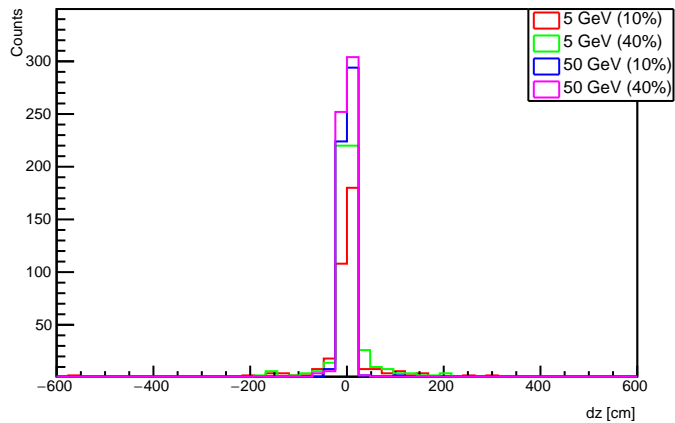
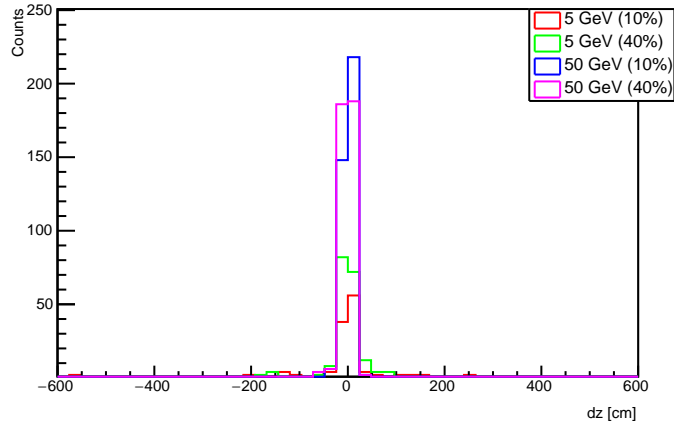
gen subleading Mu vxy: no cuts

gen subleading Mu vxy: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

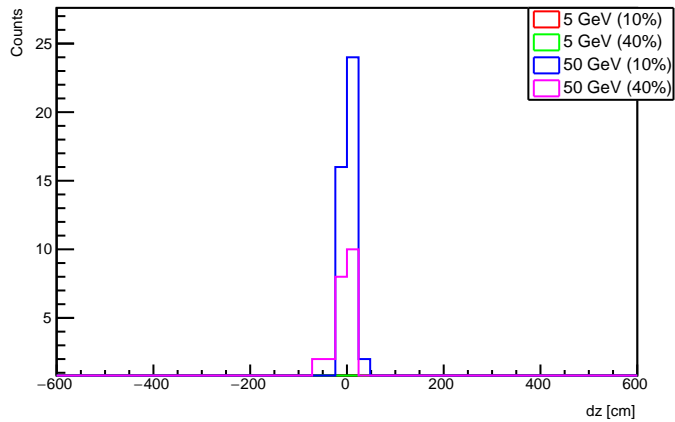
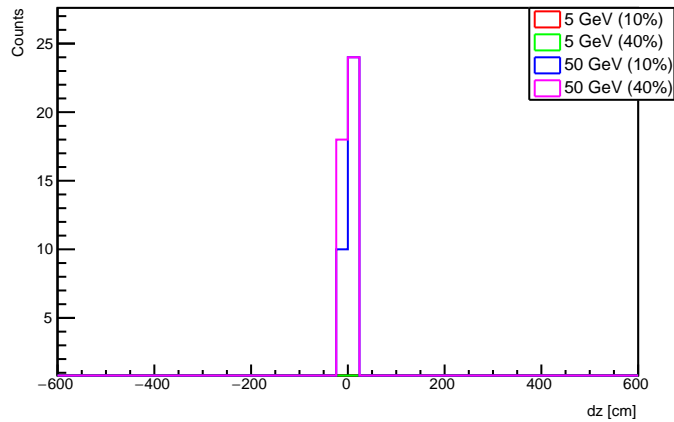
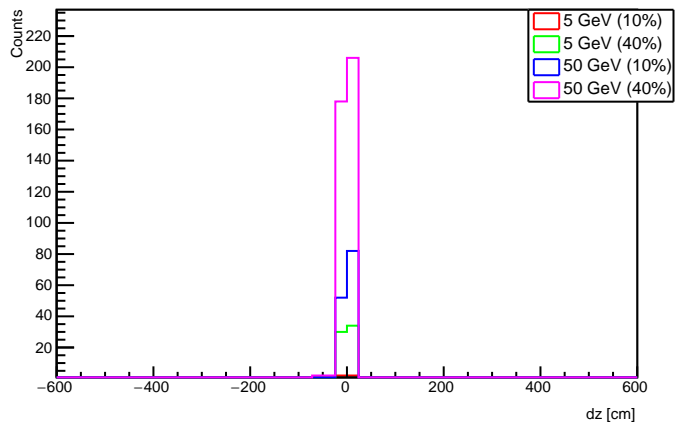
gen subleading Mu vxy: MET > 120 GeV

gen subleading Mu vxy: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen subleading Mu vxy: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

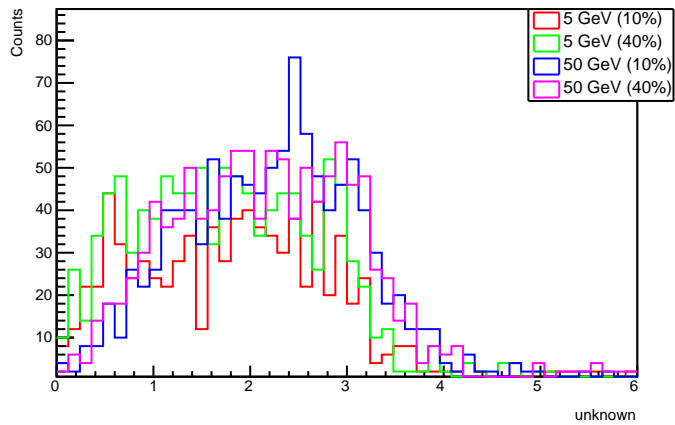
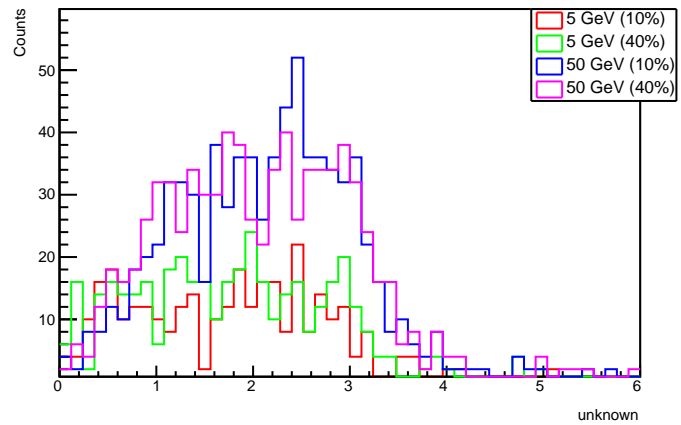
gen subleading Mu vz: no cuts

gen subleading Mu vz: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

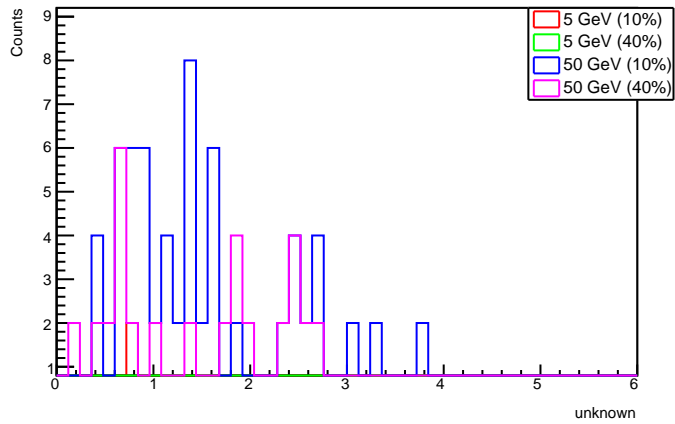
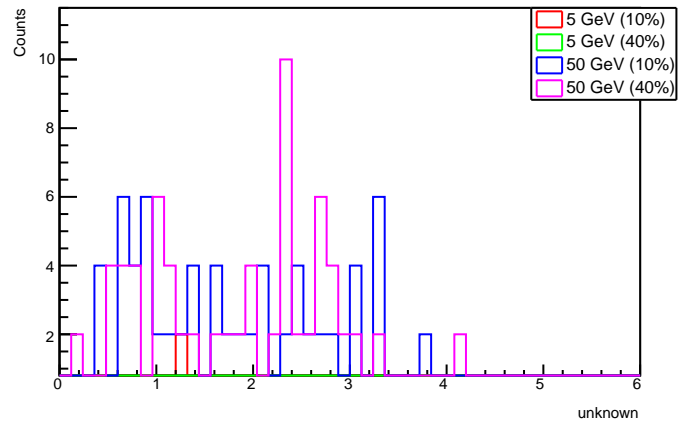
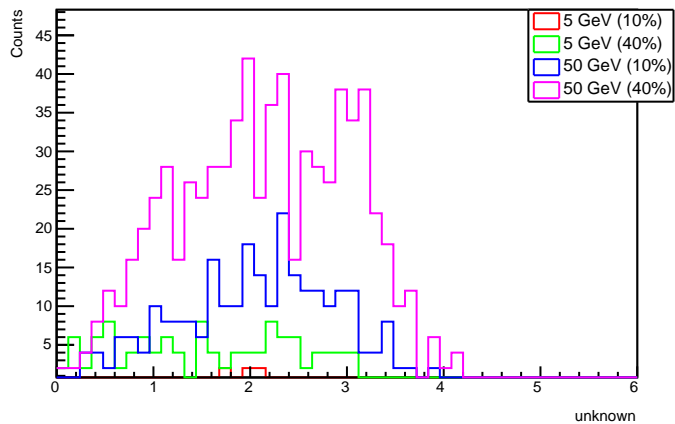
gen subleading Mu vz: MET > 120 GeV

gen subleading Mu vz: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen subleading Mu vz: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

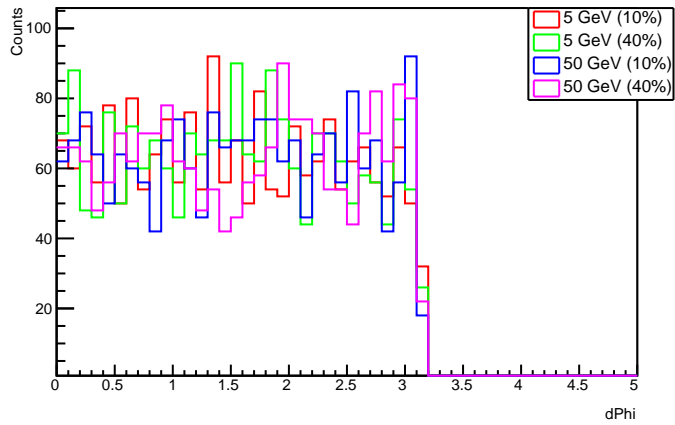
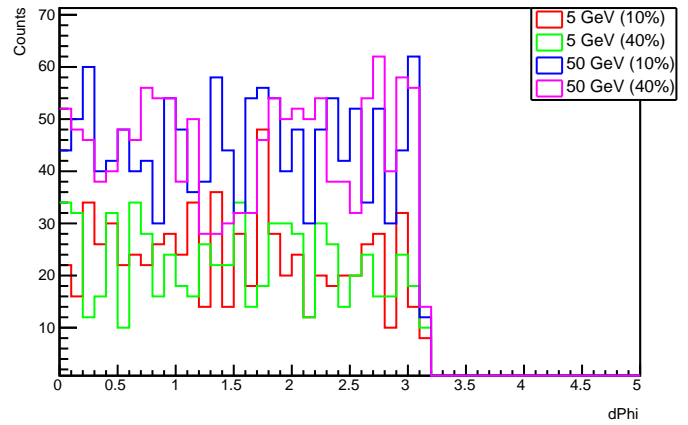
dR: gen leading mu and subleading mu: no cuts

dR: gen leading mu and subleading mu: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

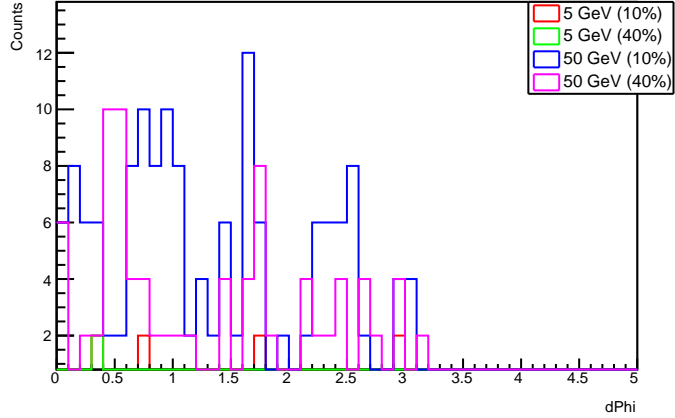
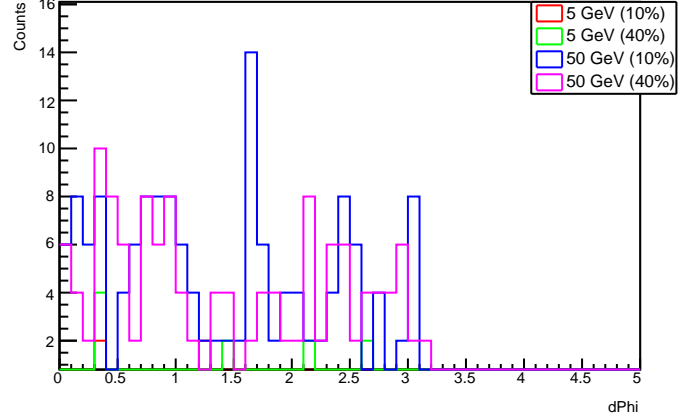
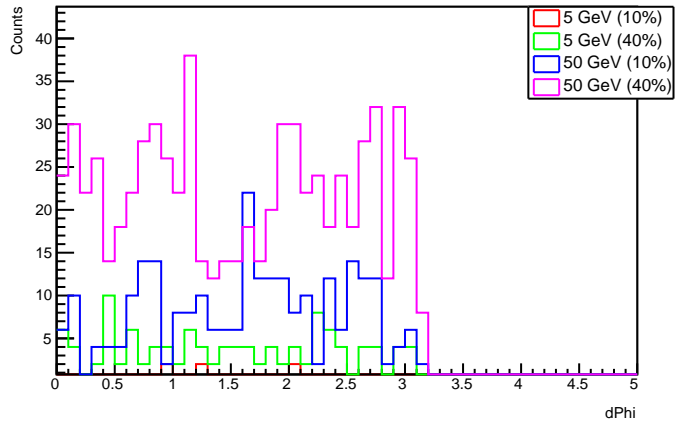
dR: gen leading mu and subleading mu: MET > 120 GeV

dR: gen leading mu and subleading mu: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVdR: gen leading mu and subleading mu: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

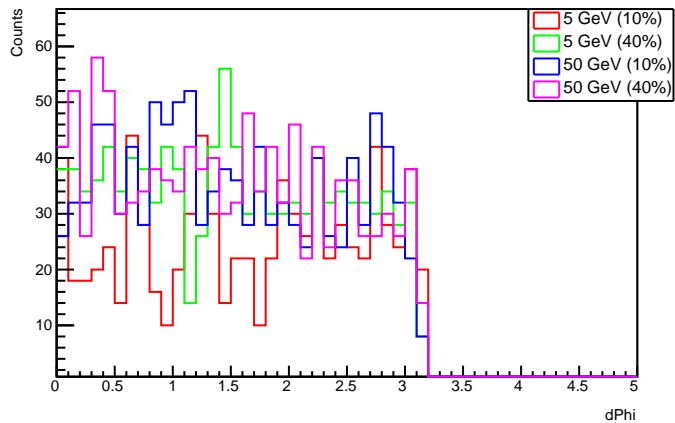
dPhi: gen MET and leading mu: no cuts

dPhi: gen MET and leading mu: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

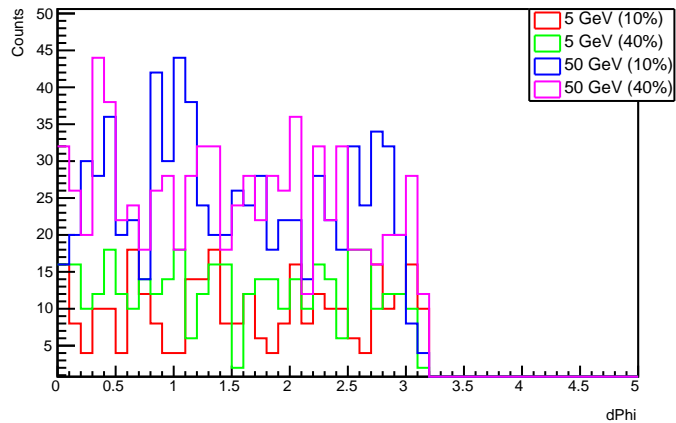
dPhi: gen MET and leading mu: MET > 120 GeV

dPhi: gen MET and leading mu: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVdPhi: gen MET and leading mu: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

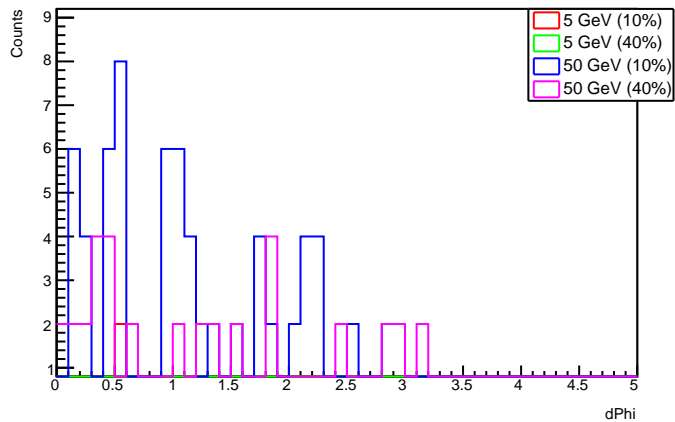
dPhi: gen leading mu and subleading mu: no cuts



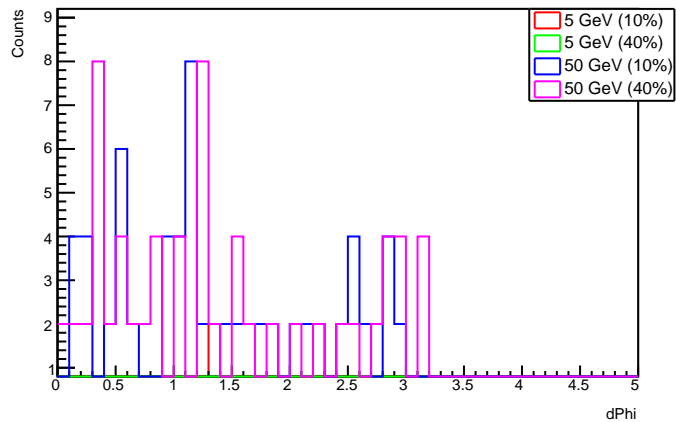
dPhi: gen leading mu and subleading mu: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV



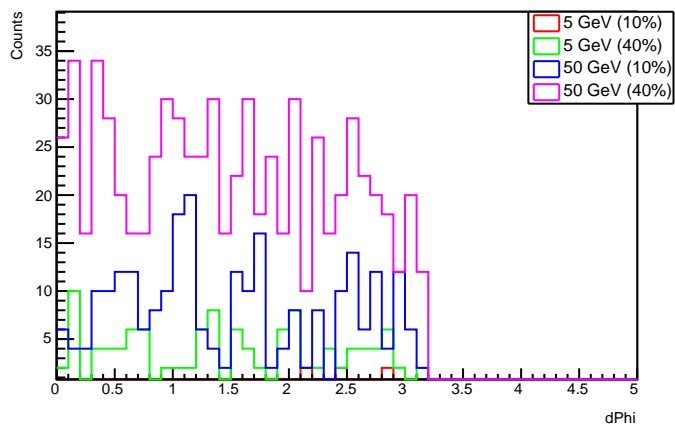
dPhi: gen leading mu and subleading mu: MET > 120 GeV



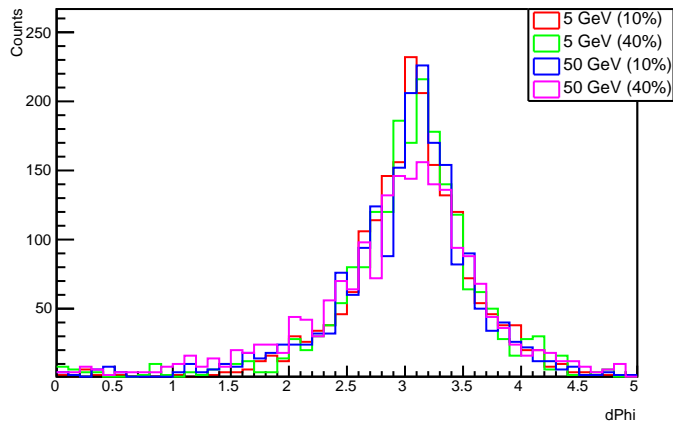
dPhi: gen leading mu and subleading mu: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeV



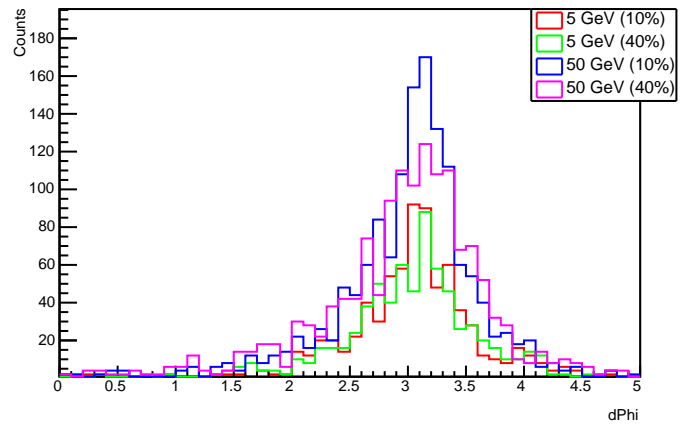
dPhi: gen leading mu and subleading mu: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$



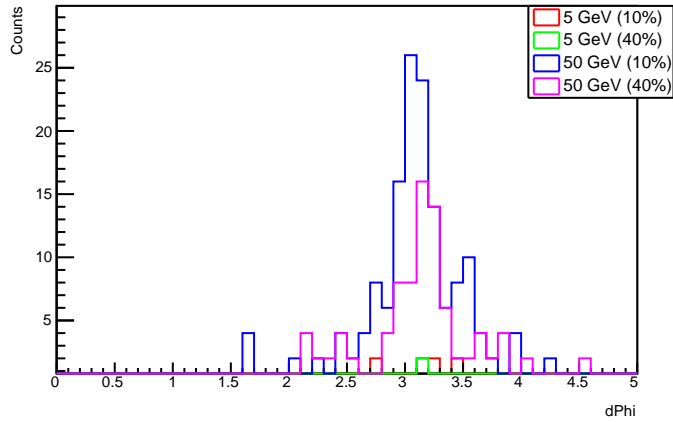
dPhi: gen MET and leading jet: no cuts



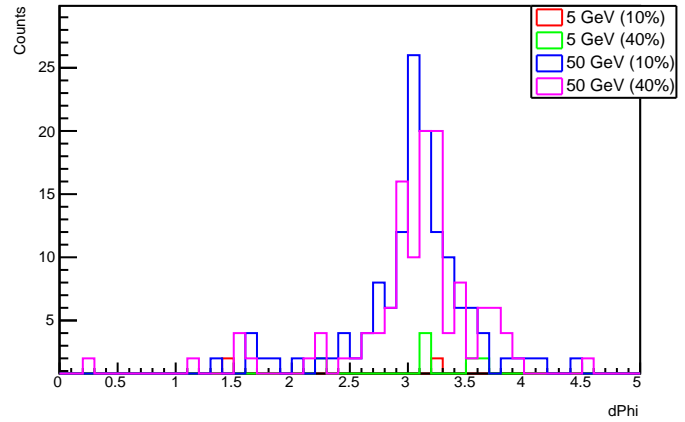
dPhi: gen MET and leading jet: n_jet >=1, j1pt > 30 GeV



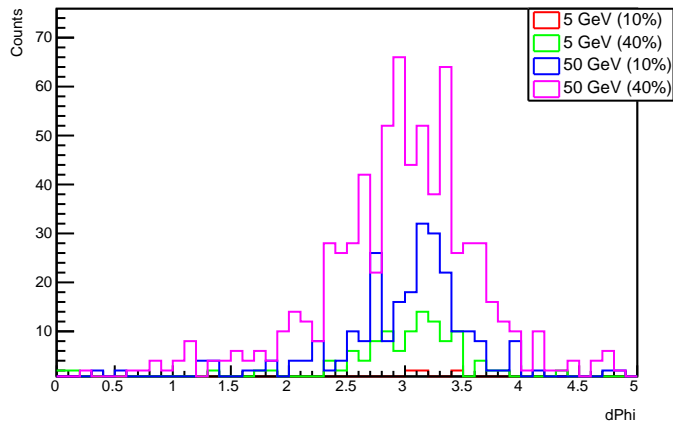
dPhi: gen MET and leading jet: MET > 120 GeV



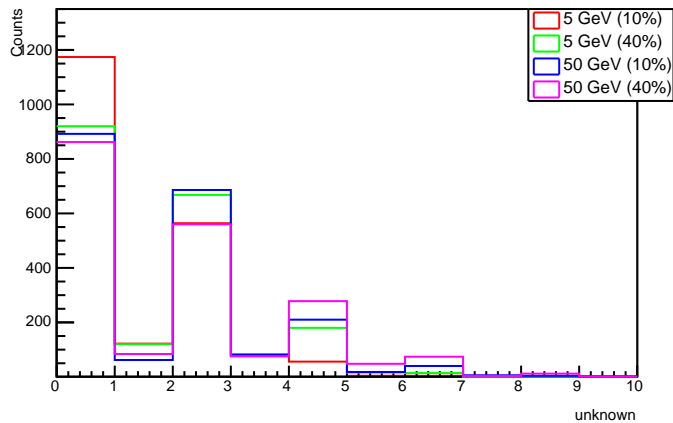
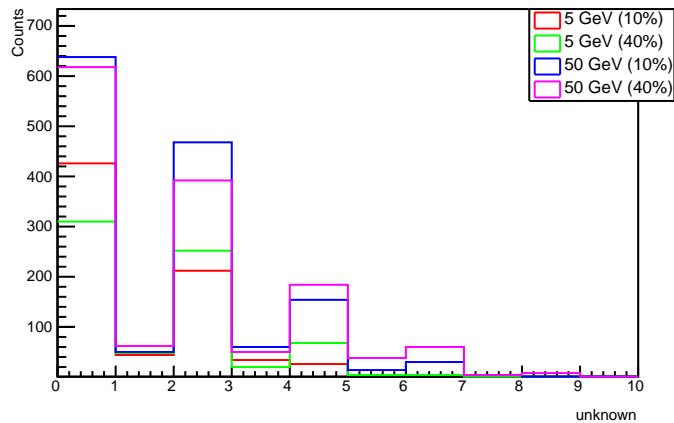
dPhi: gen MET and leading jet: j1pt >120, at most 2 jets w/ pt >30 GeV



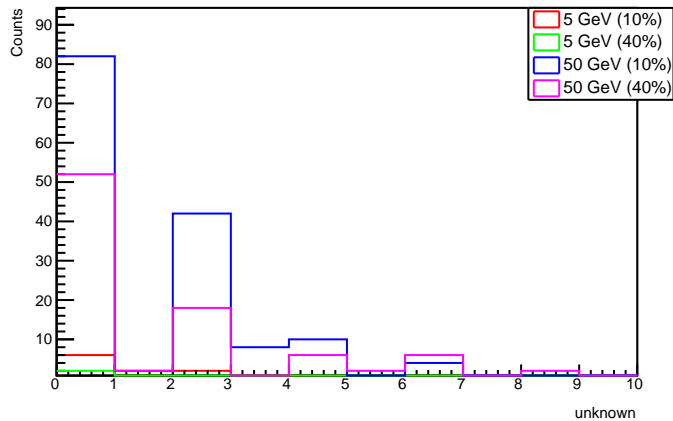
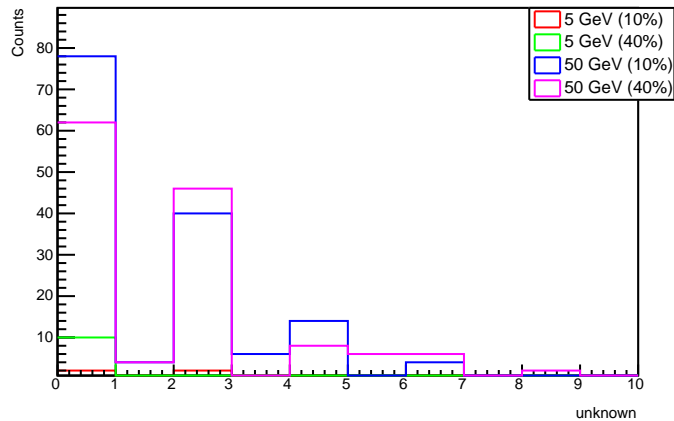
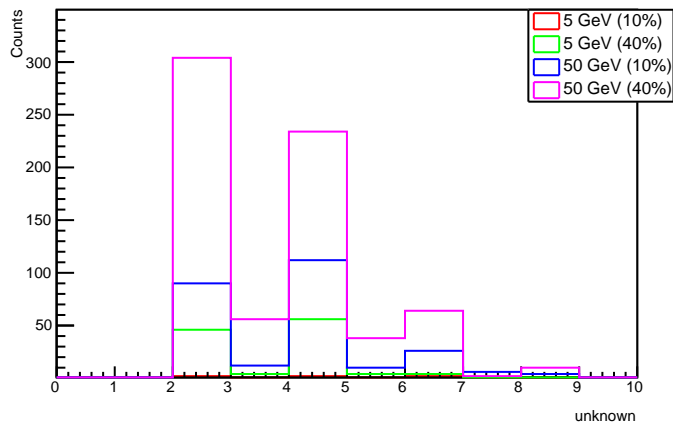
dPhi: gen MET and leading jet: at least 2 mu w/ pt > 2 GeV and eta < 2.5



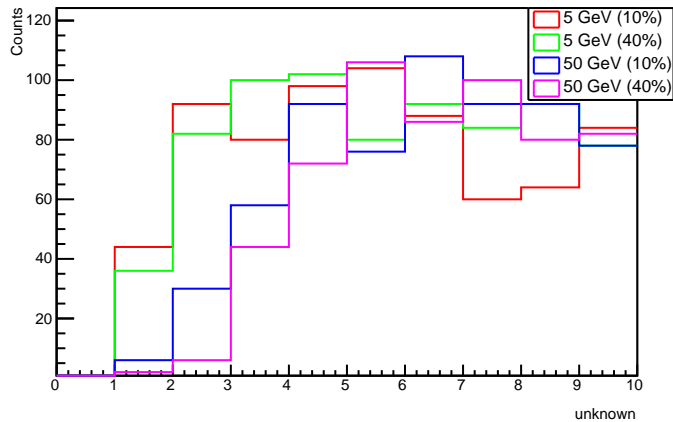
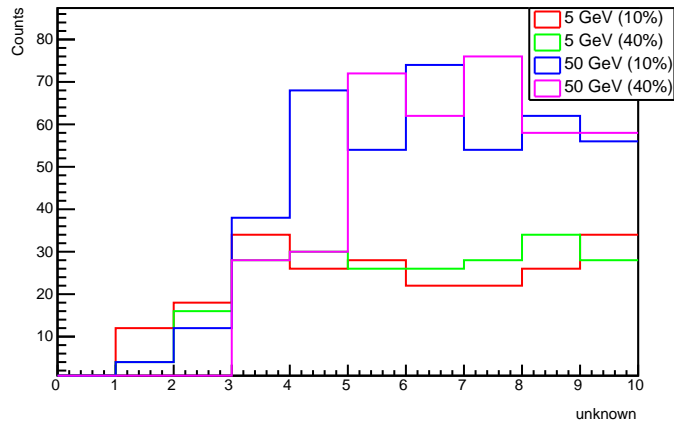
gen number of jets: no cuts

gen number of jets: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

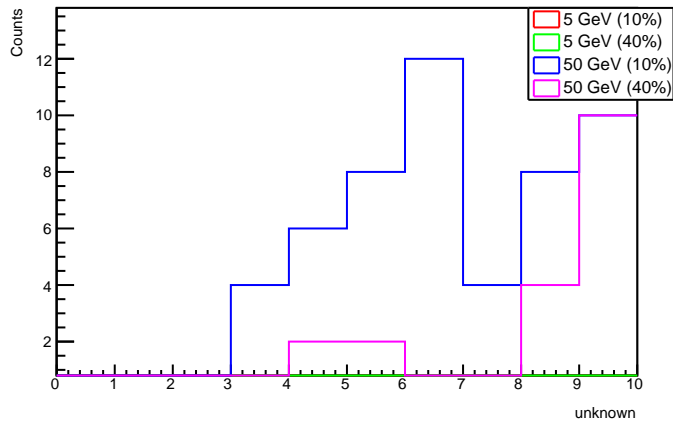
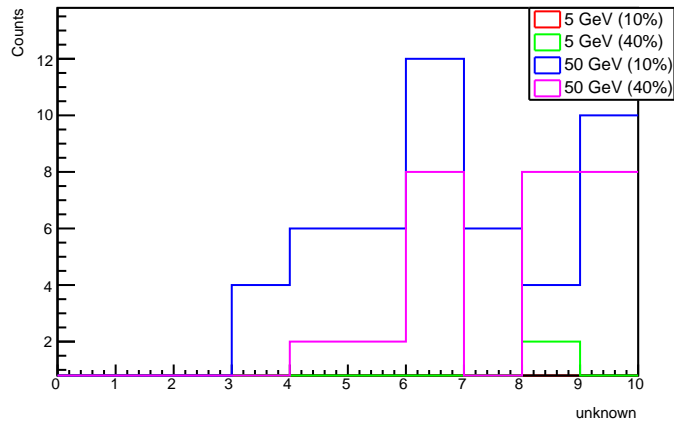
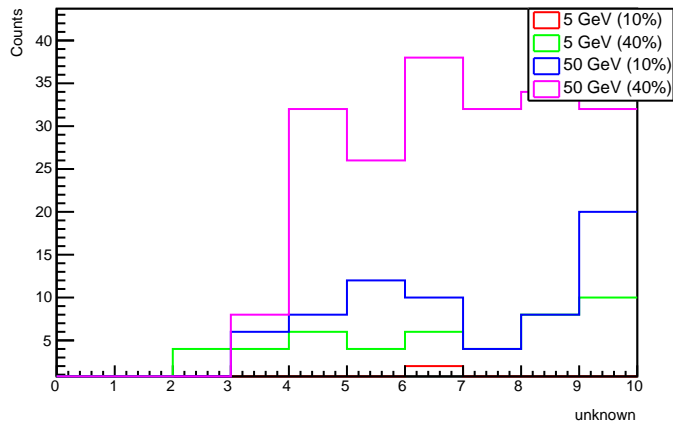
gen number of jets: MET > 120 GeV

gen number of jets: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVgen number of jets: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

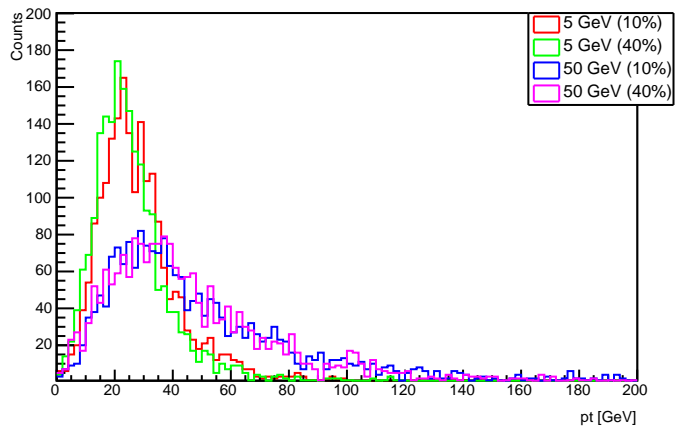
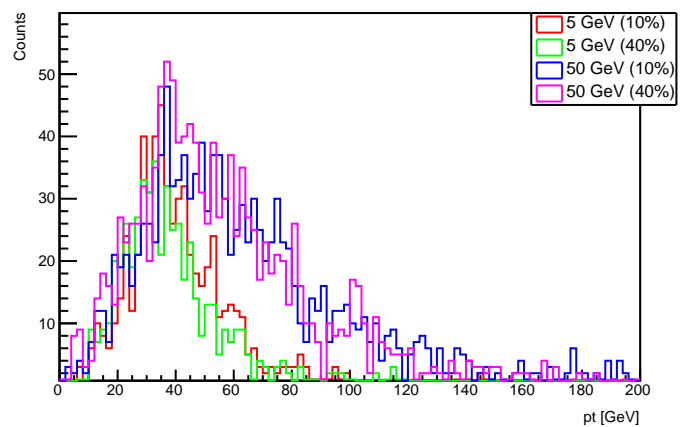
gen number of mu: no cuts

gen number of mu: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

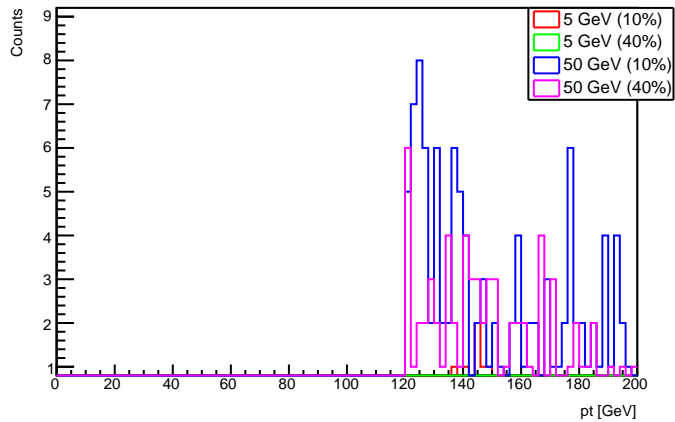
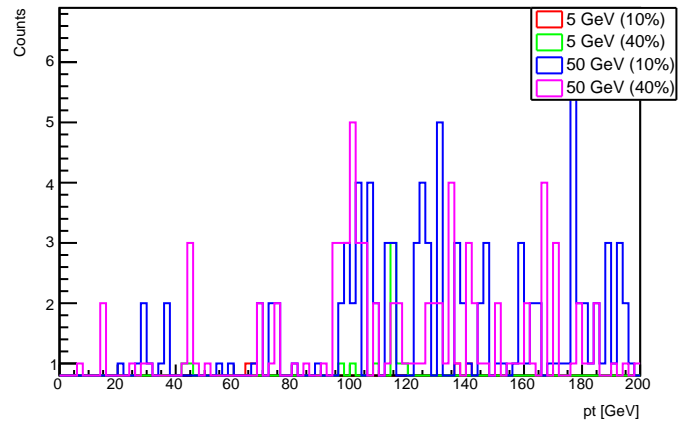
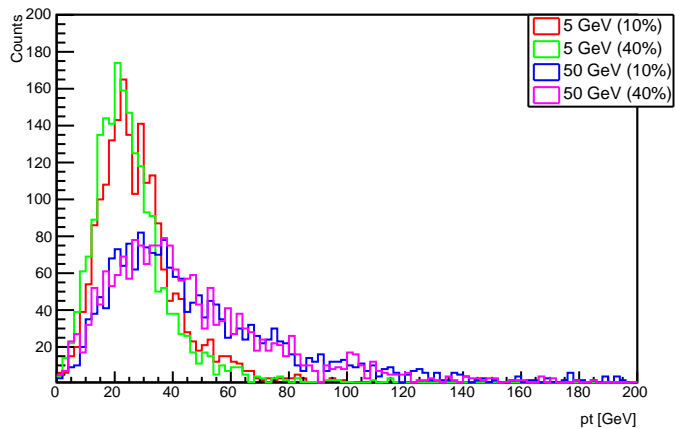
gen number of mu: MET > 120 GeV

gen number of mu: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_{\text{T}} > 30$ GeVgen number of mu: at least 2 mu w/ $p_{\text{T}} \geq 2$ GeV and $|\eta| < 2.5$ 

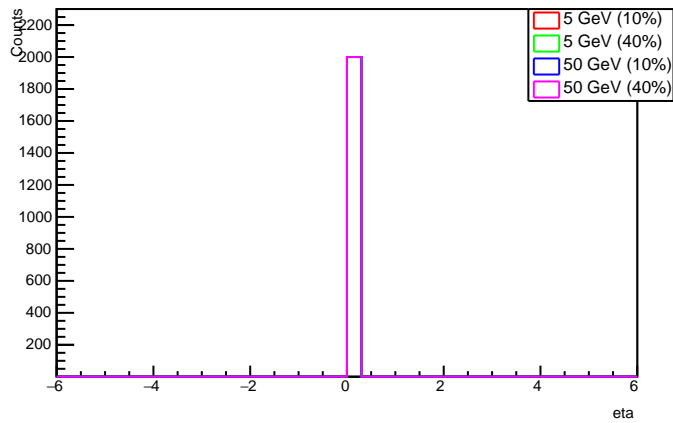
reco leading MET: no cuts

reco leading MET: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

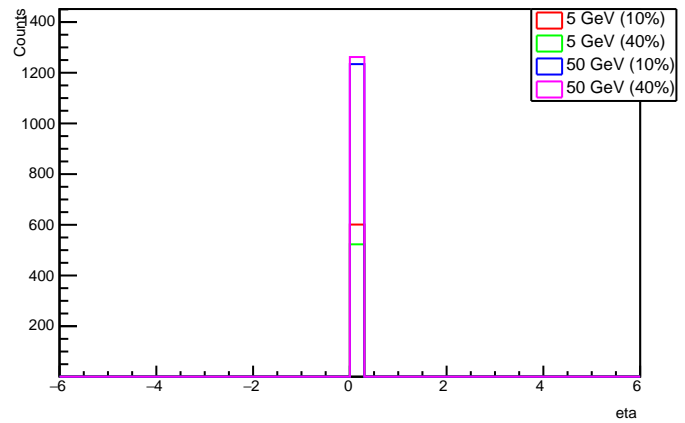
reco leading MET: MET > 120 GeV

reco leading MET: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco leading MET: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

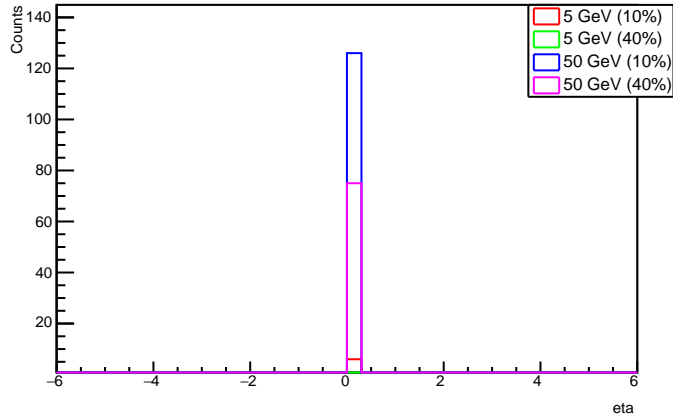
reco leading Met eta: no cuts



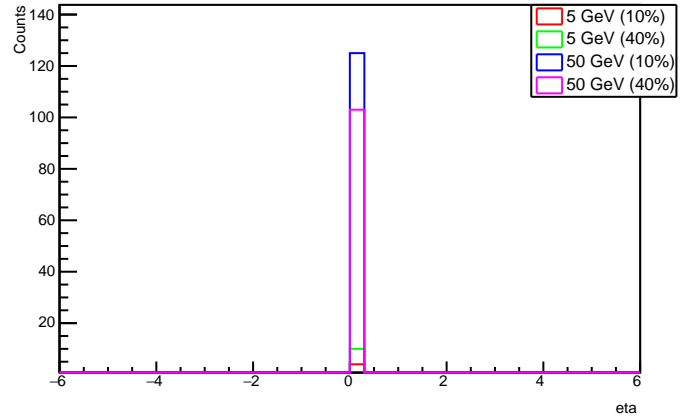
reco leading Met eta: n_jet >=1, j1pt > 30 GeV



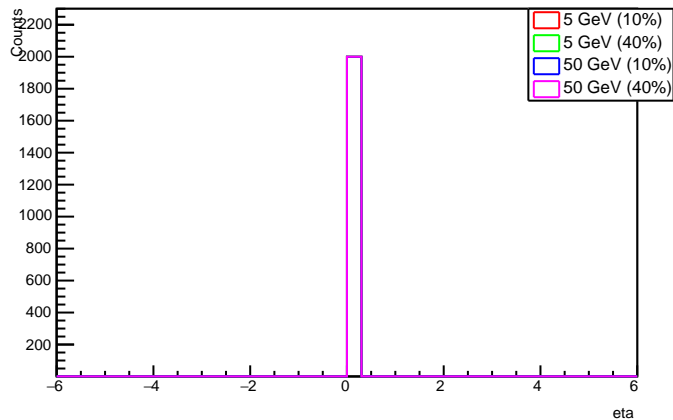
reco leading Met eta: MET > 120 GeV



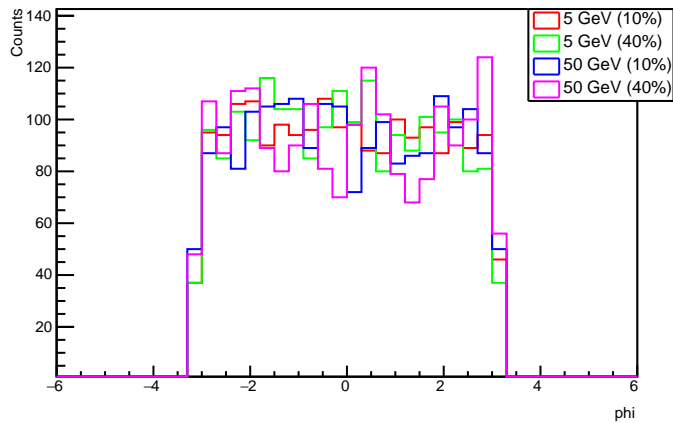
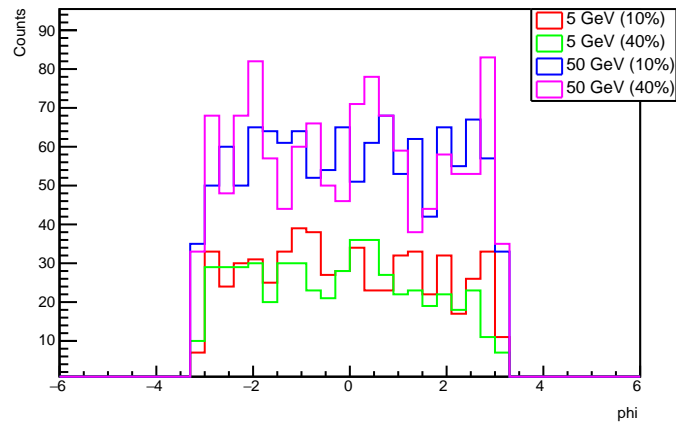
reco leading Met eta: j1pt >120, at most 2 jets w/ pt >30 GeV



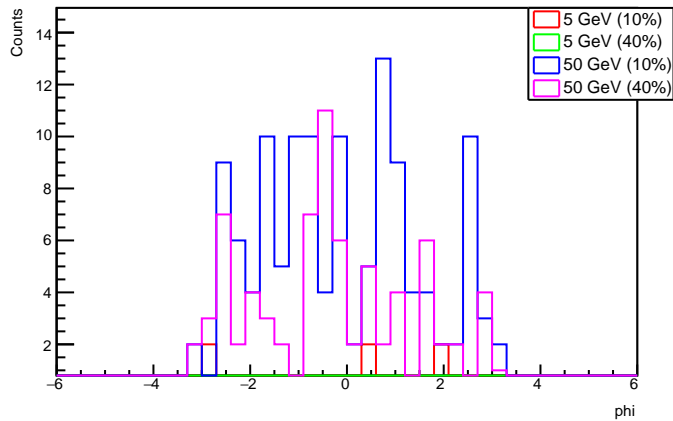
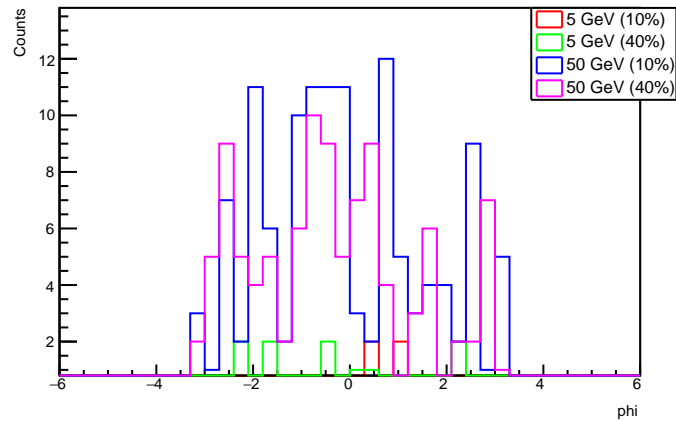
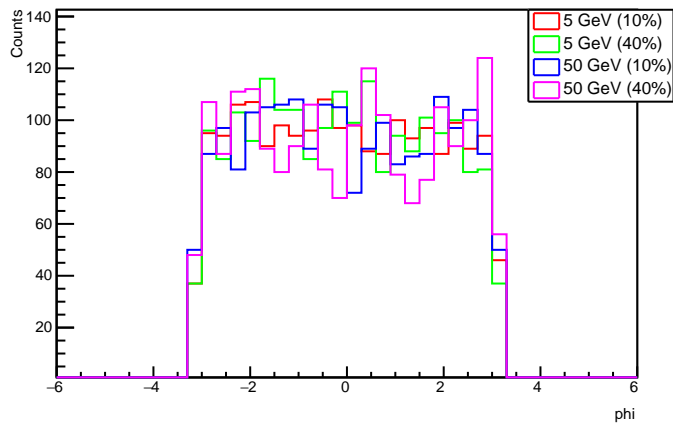
reco leading Met eta: at least 2 mu w/ pt > 2 GeV and eta<2.5



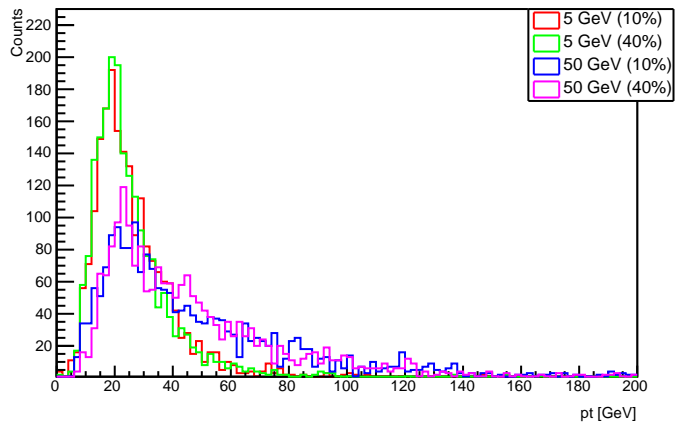
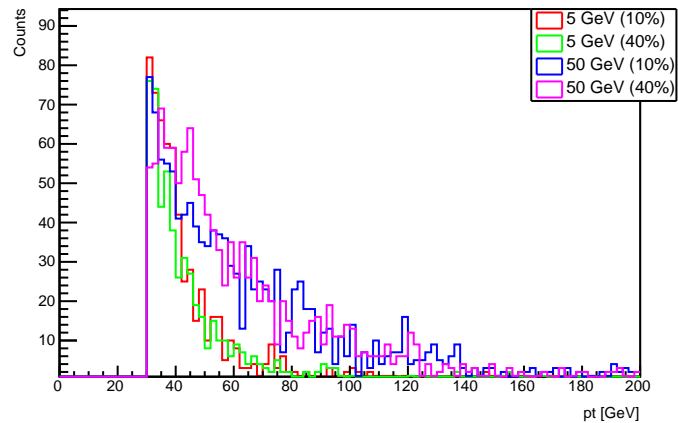
reco leading Met phi: no cuts

reco leading Met phi: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

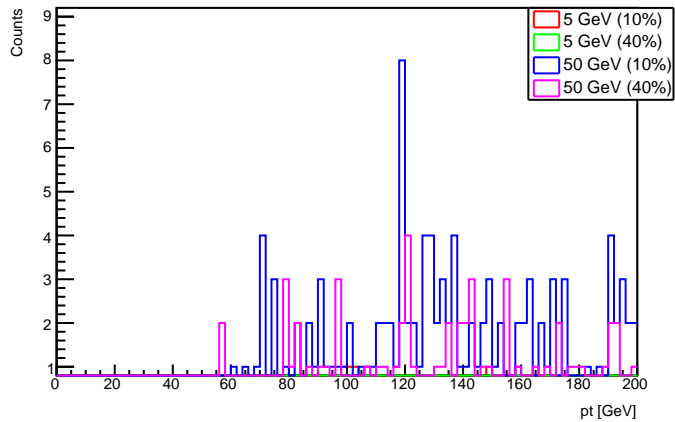
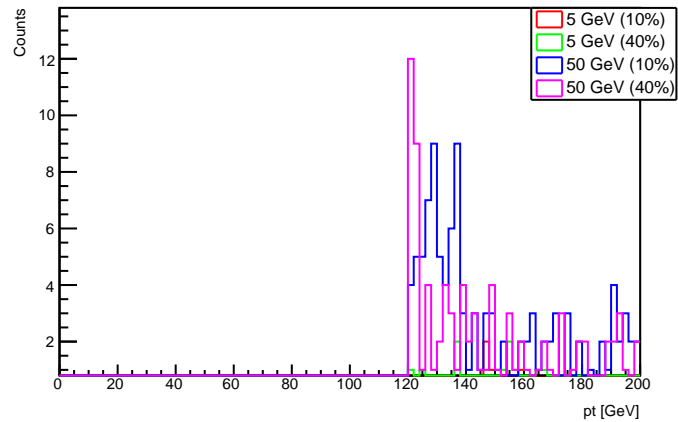
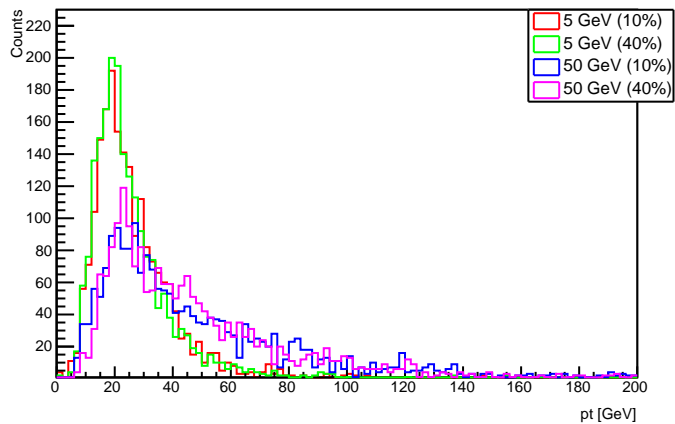
reco leading Met phi: MET > 120 GeV

reco leading Met phi: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco leading Met phi: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

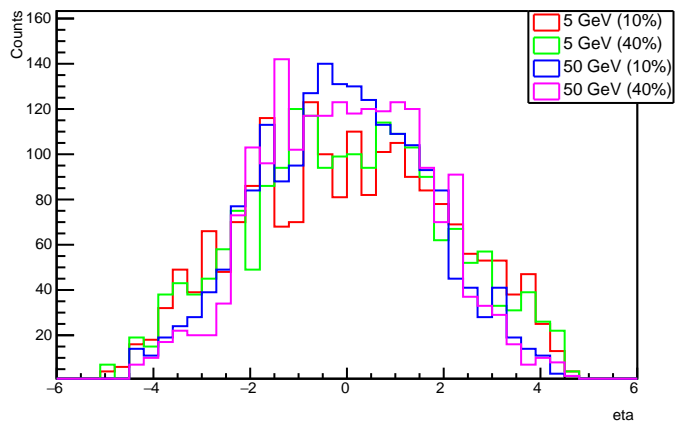
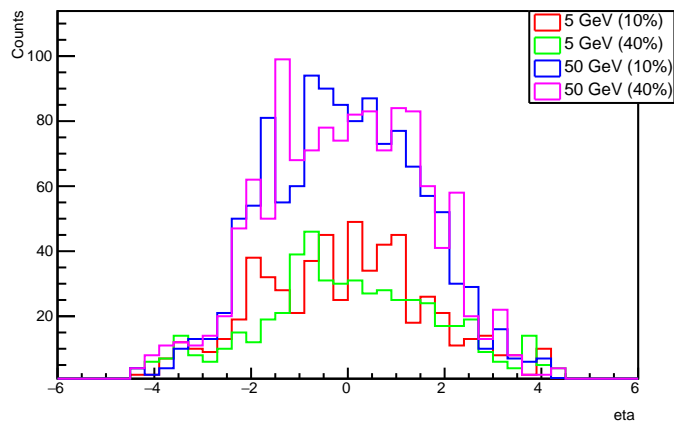
reco leading Jet pt: no cuts

reco leading Jet pt: $n_{\text{jet}} \geq 1$, $j1pt > 30$ GeV

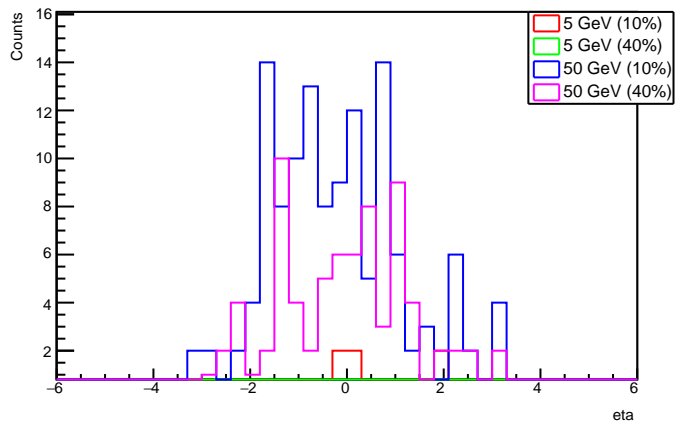
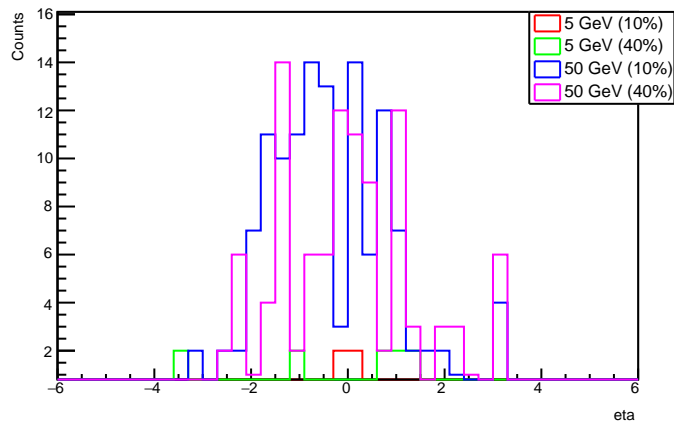
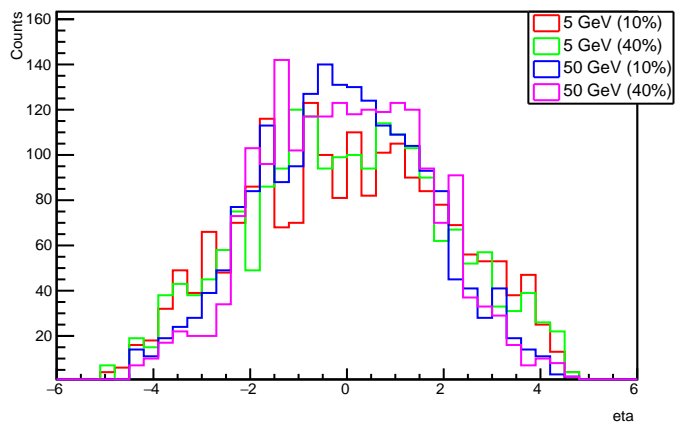
reco leading Jet pt: MET > 120 GeV

reco leading Jet pt: $j1pt > 120$, at most 2 jets w/ $pt > 30$ GeVreco leading Jet pt: at least 2 mu w/ $pt \geq 2$ GeV and $|\eta| < 2.5$ 

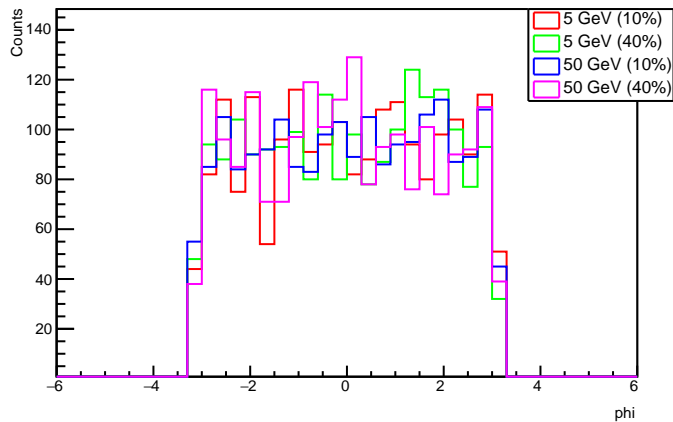
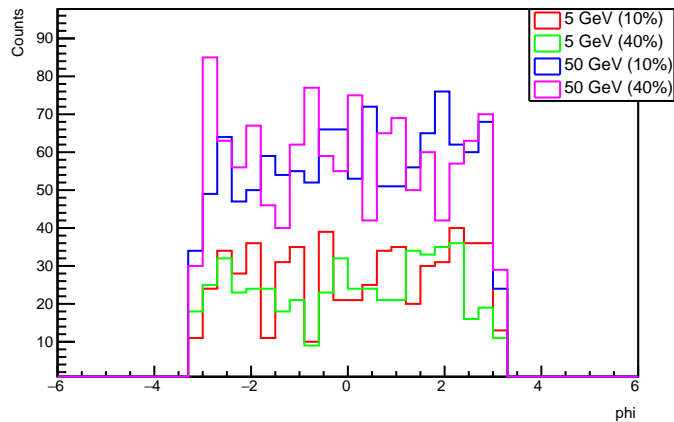
reco leading Jet eta: no cuts

reco leading Jet eta: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

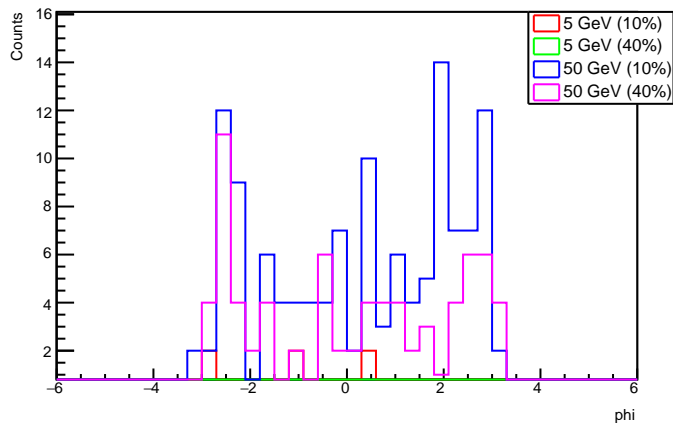
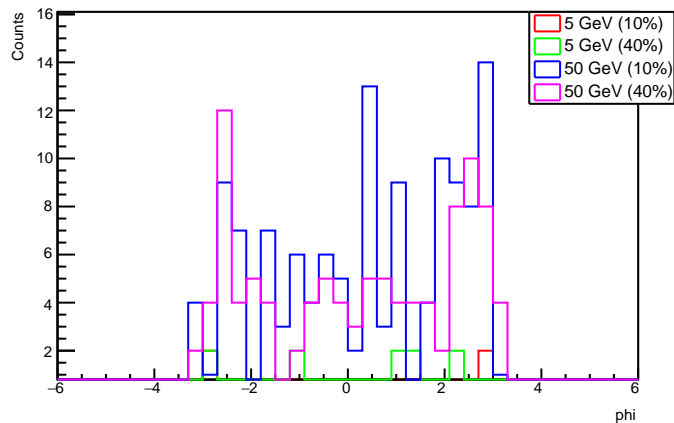
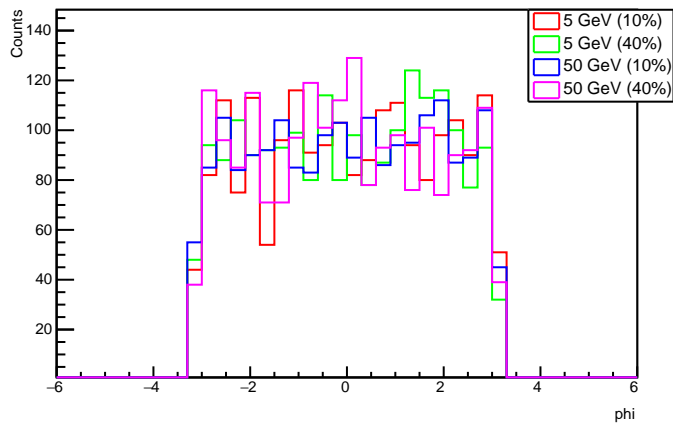
reco leading Jet eta: MET > 120 GeV

reco leading Jet eta: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco leading Jet eta: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

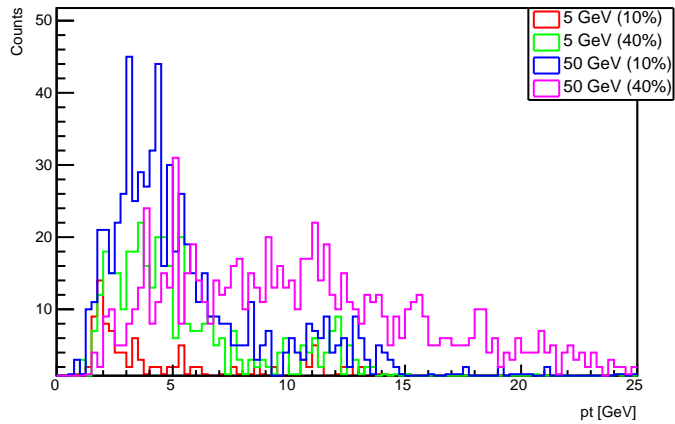
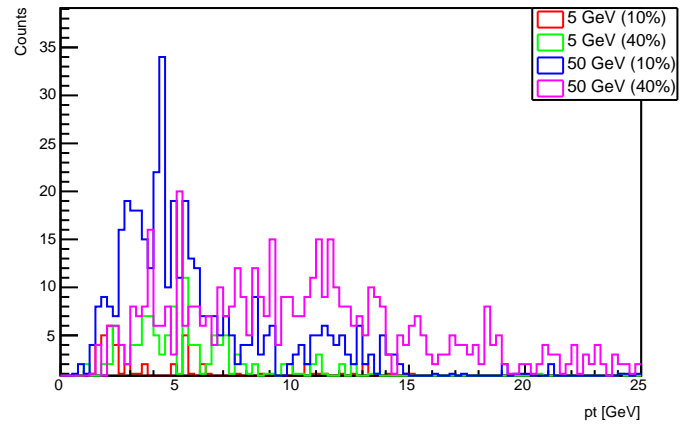
reco leading Jet phi: no cuts

reco leading Jet phi: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

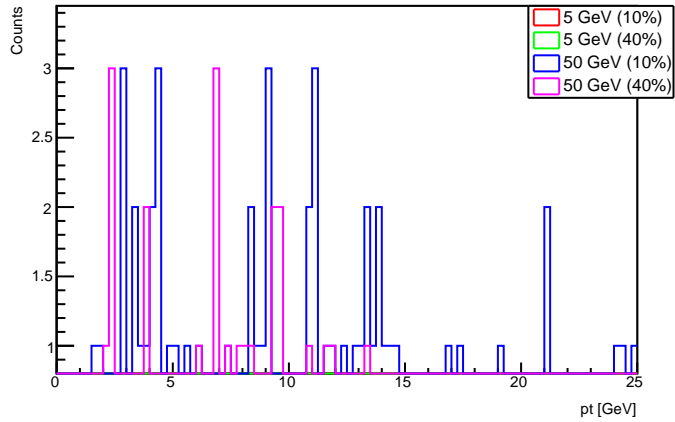
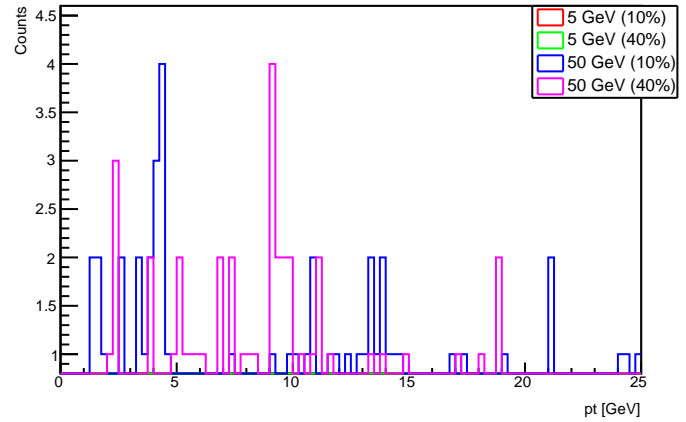
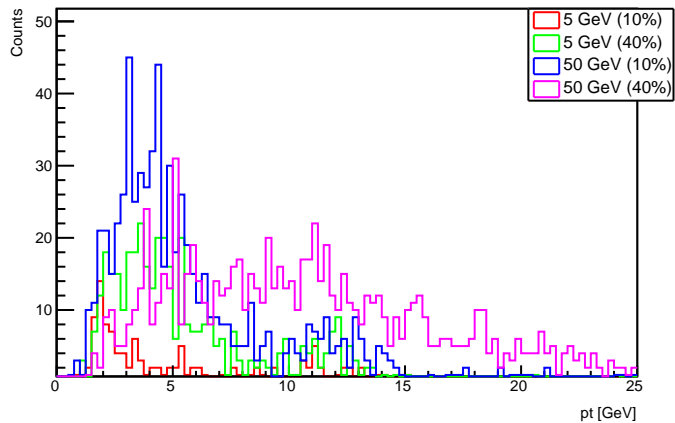
reco leading Jet phi: MET > 120 GeV

reco leading Jet phi: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco leading Jet phi: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

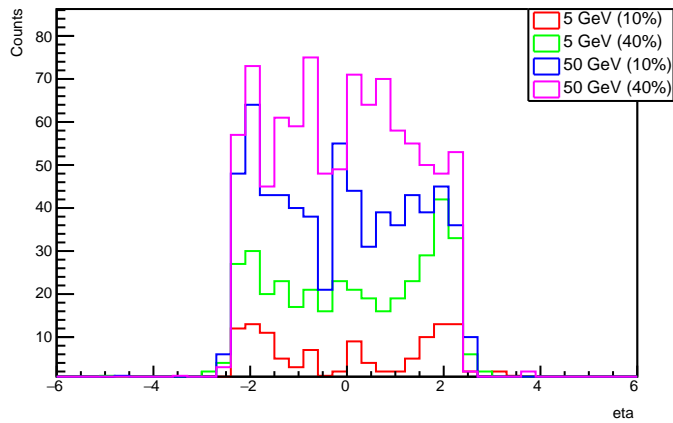
reco leading Mu pt: no cuts

reco leading Mu pt: $n_{\text{jet}} \geq 1$, $j1_{\text{pt}} > 30$ GeV

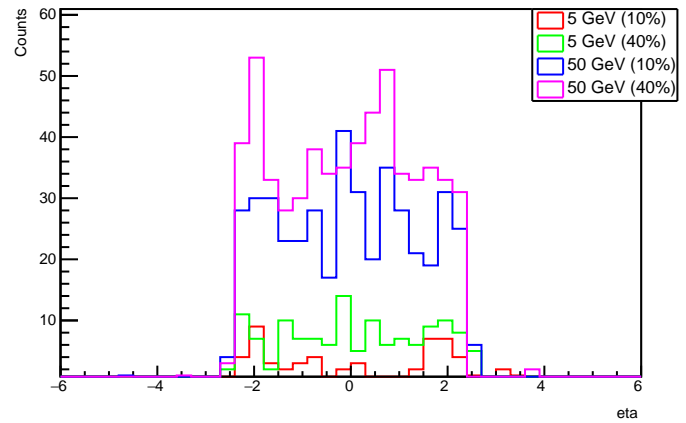
reco leading Mu pt: MET > 120 GeV

reco leading Mu pt: $j1_{\text{pt}} > 120$, at most 2 jets w/ $pt > 30$ GeVreco leading Mu pt: at least 2 mu w/ $pt \geq 2$ GeV and $|\eta| < 2.5$ 

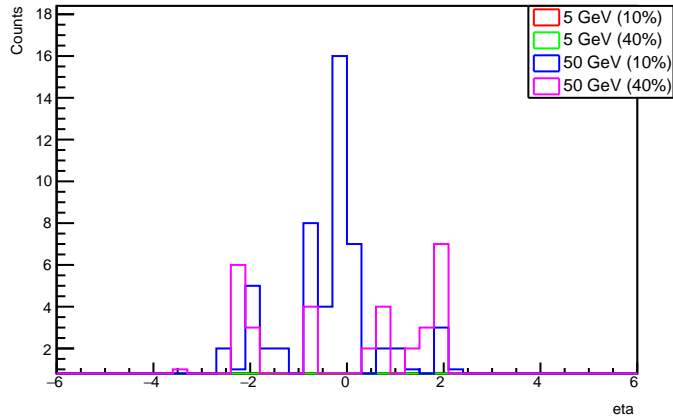
reco leading Mu eta: no cuts



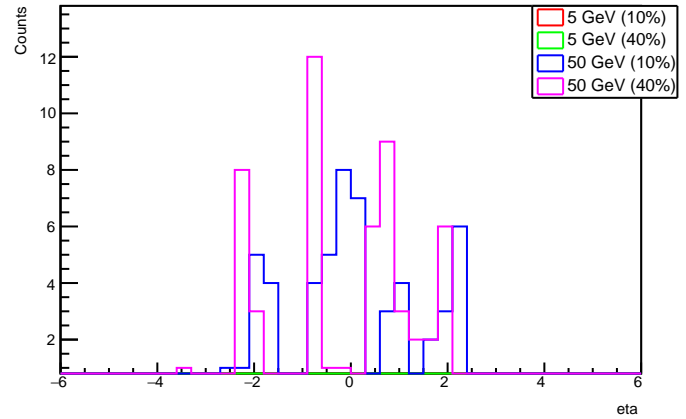
reco leading Mu eta: n_jet >=1, j1pt > 30 GeV



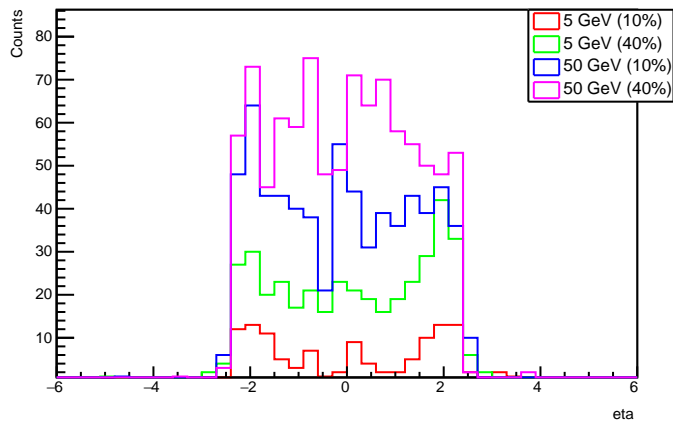
reco leading Mu eta: MET > 120 GeV



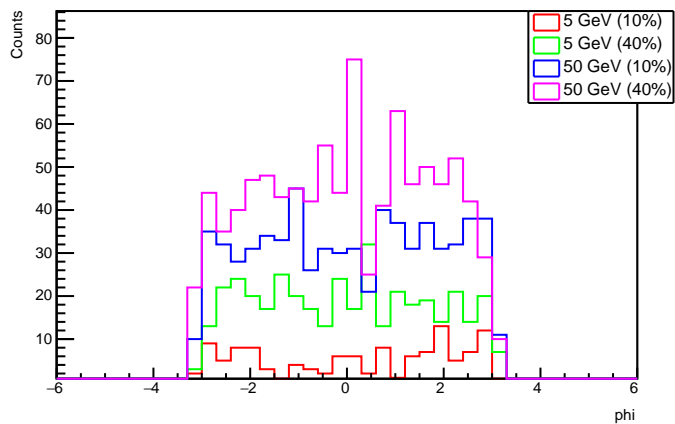
reco leading Mu eta: j1pt >120, at most 2 jets w/ pt >30 GeV



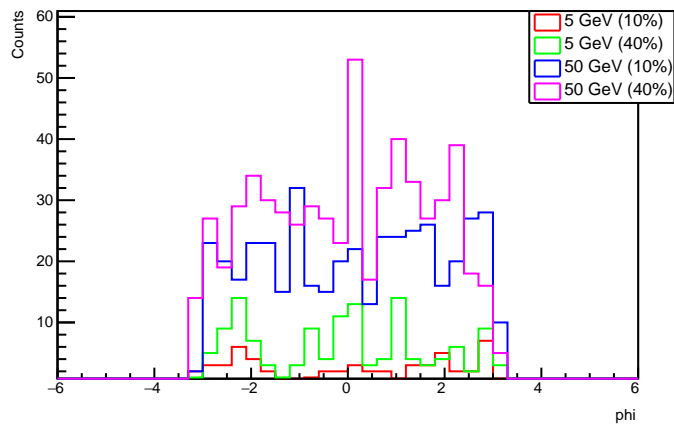
reco leading Mu eta: at least 2 mu w/ pt > 2 GeV and eta < 2.5



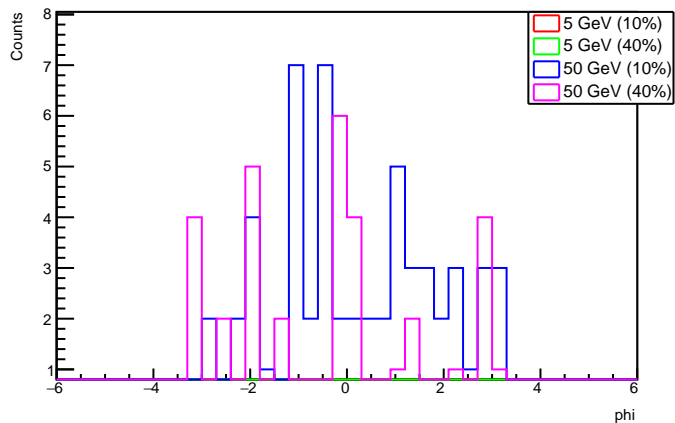
reco leading Mu phi: no cuts



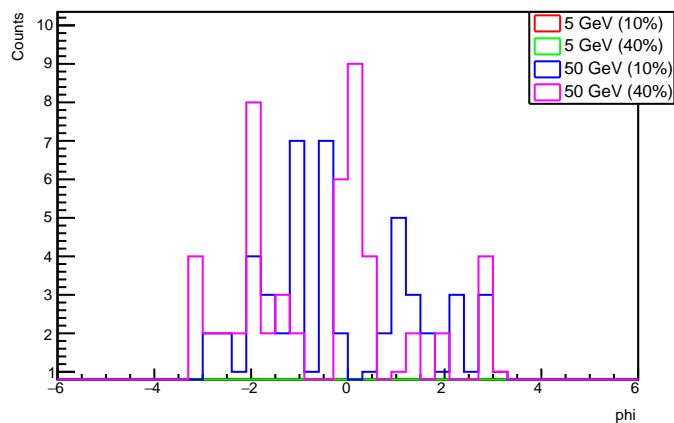
reco leading Mu phi: n_jet >=1, j1pt > 30 GeV



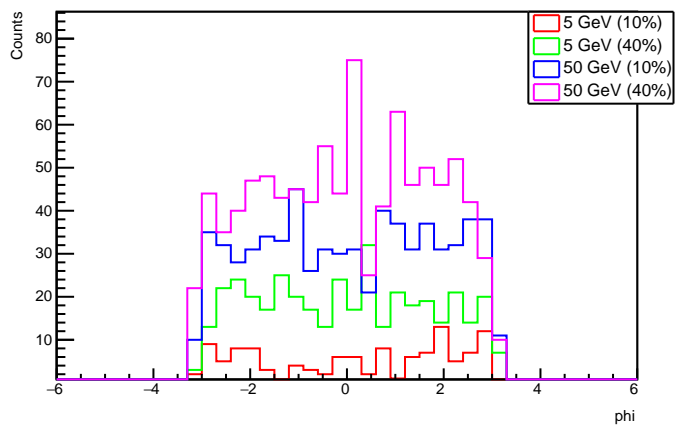
reco leading Mu phi: MET > 120 GeV



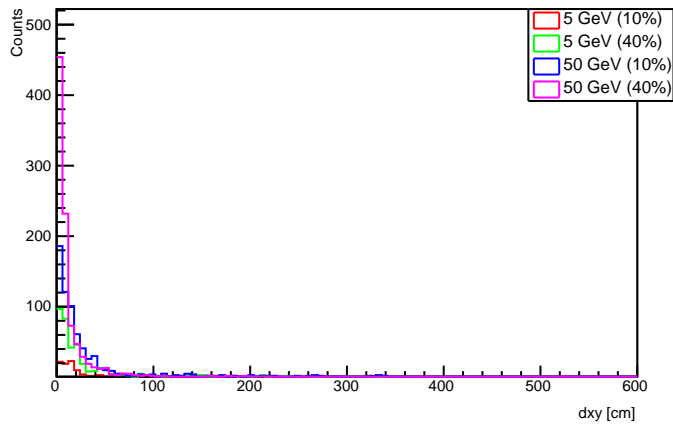
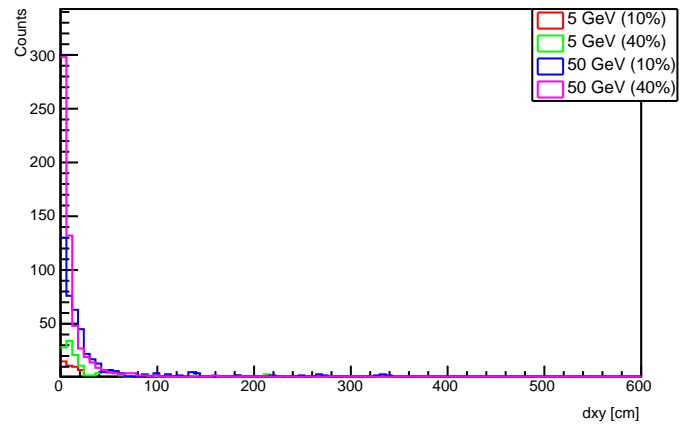
reco leading Mu phi: j1pt >120, at most 2 jets w/ pt >30 GeV



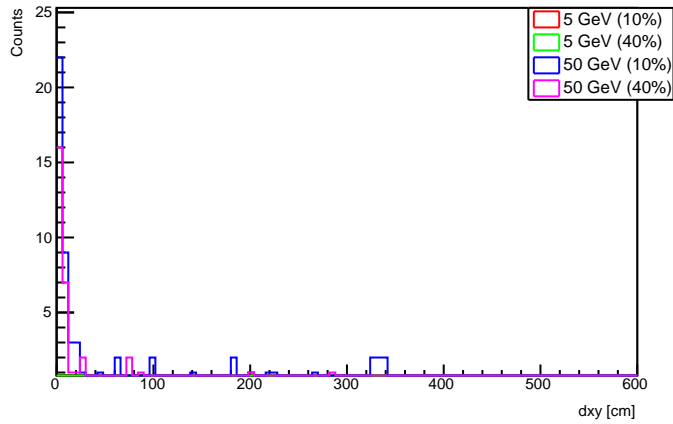
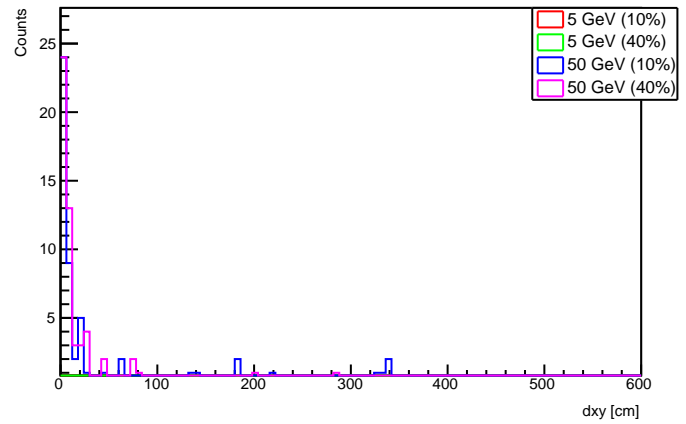
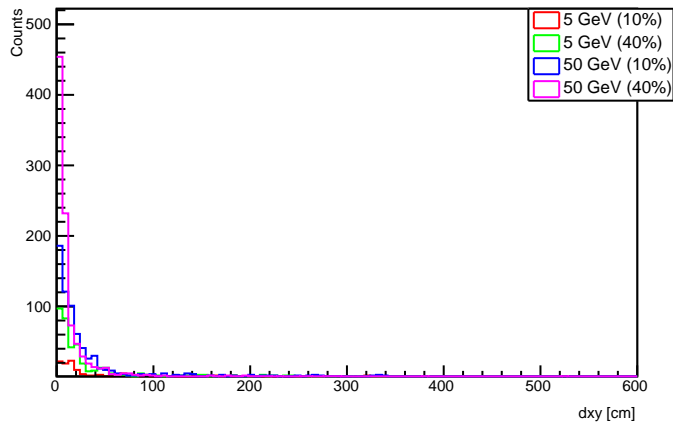
reco leading Mu phi: at least 2 mu w/ pt > 2 GeV and eta < 2.5



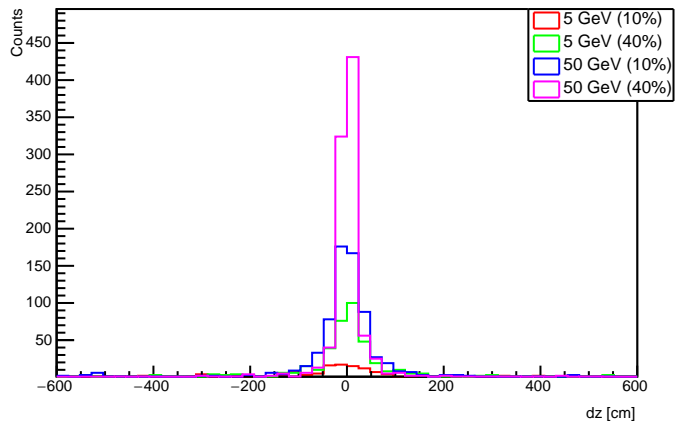
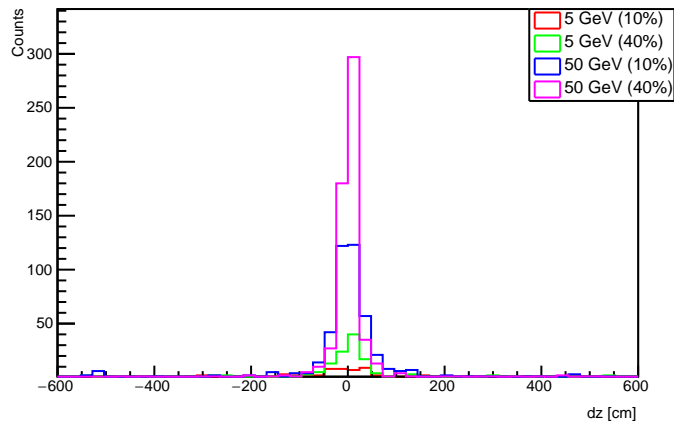
reco leading Mu vxy: no cuts

reco leading Mu vxy: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

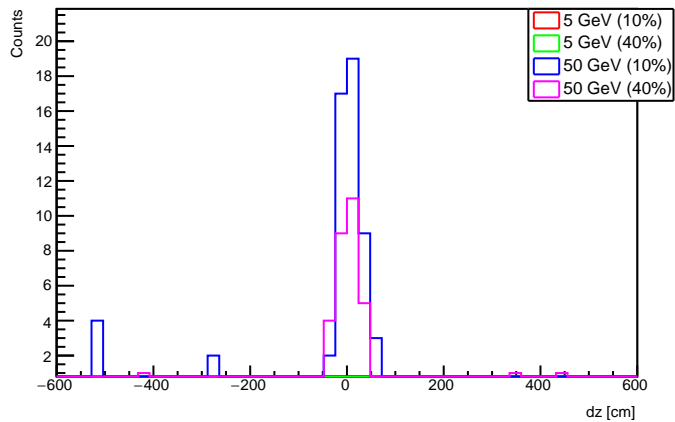
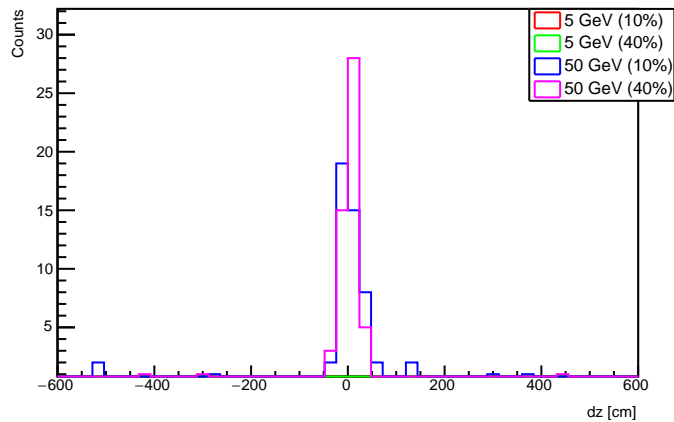
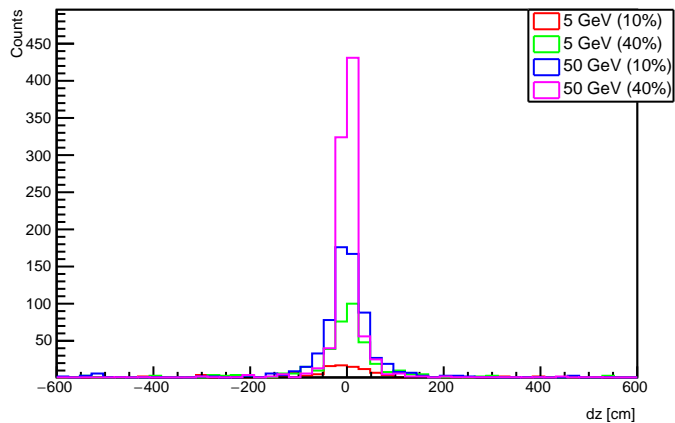
reco leading Mu vxy: MET > 120 GeV

reco leading Mu vxy: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco leading Mu vxy: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

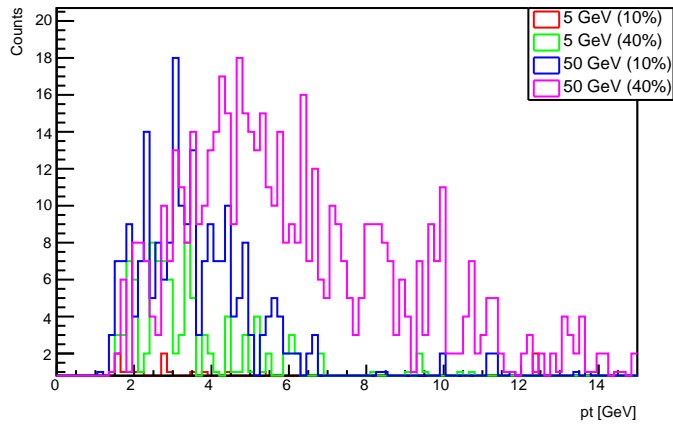
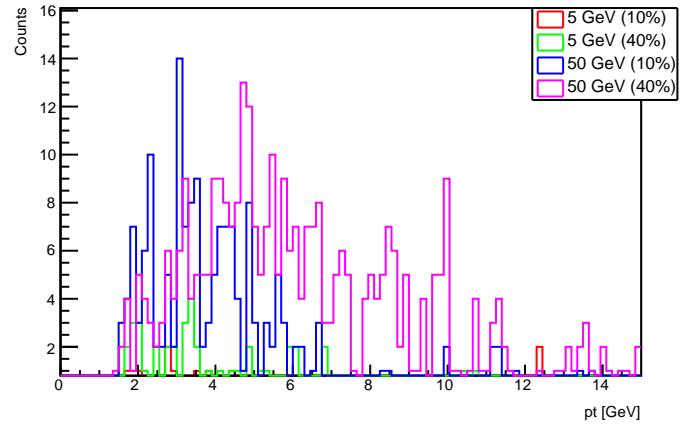
reco leading Mu vz: no cuts

reco leading Mu vz: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

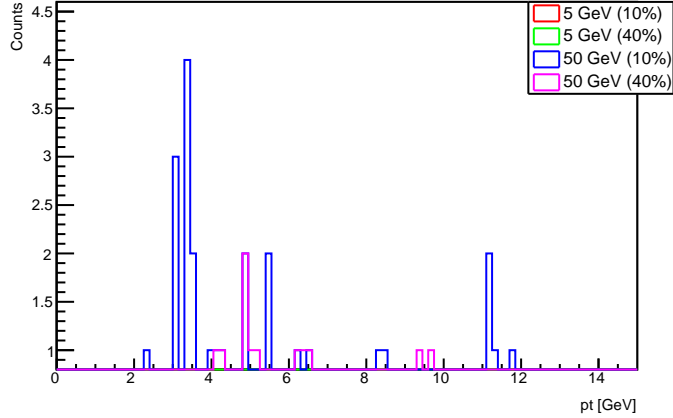
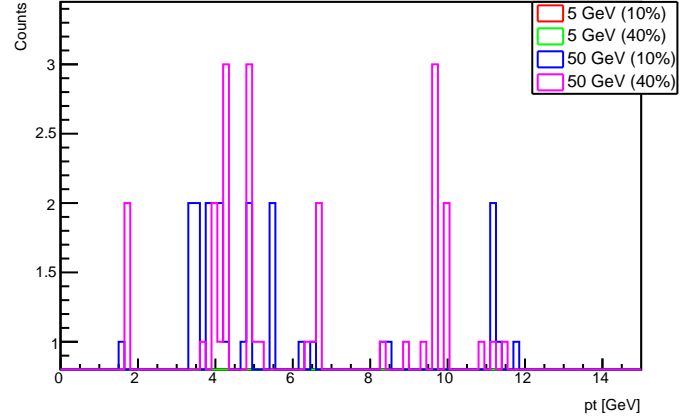
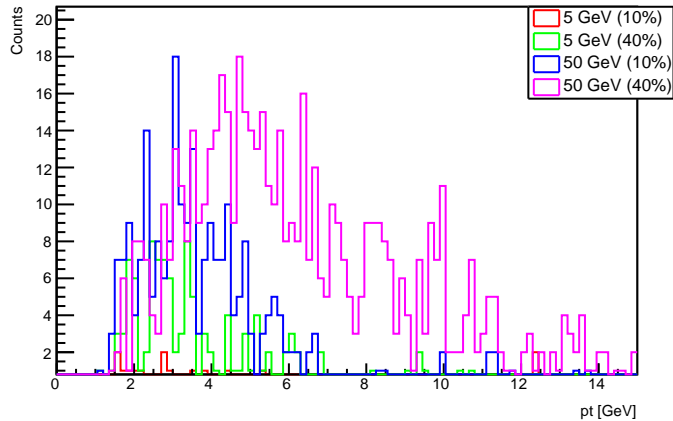
reco leading Mu vz: MET > 120 GeV

reco leading Mu vz: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco leading Mu vz: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

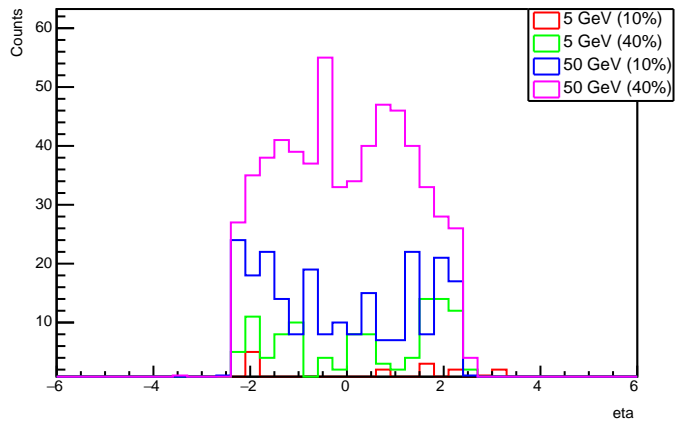
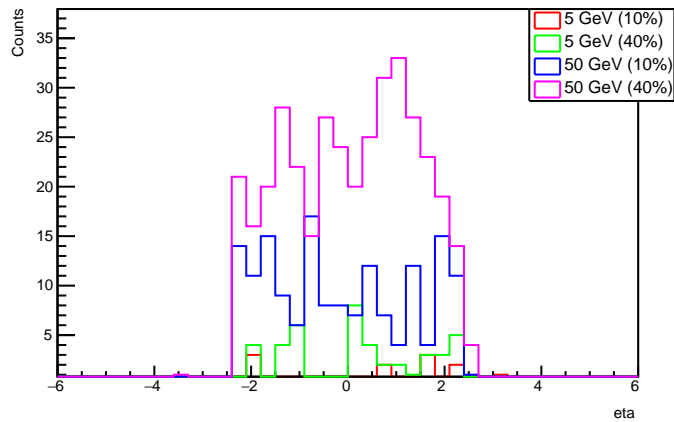
reco subleading Mu pt: no cuts

reco subleading Mu pt: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

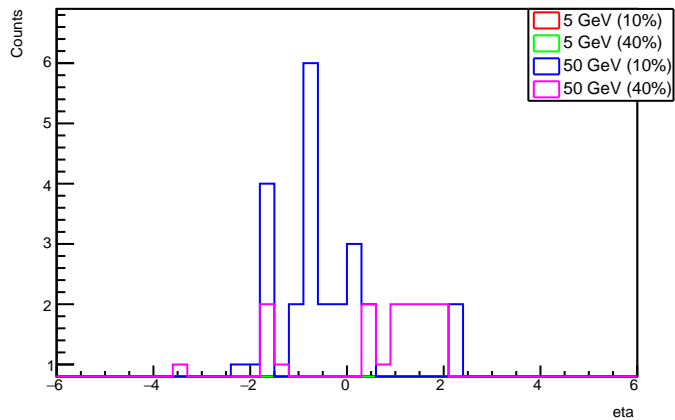
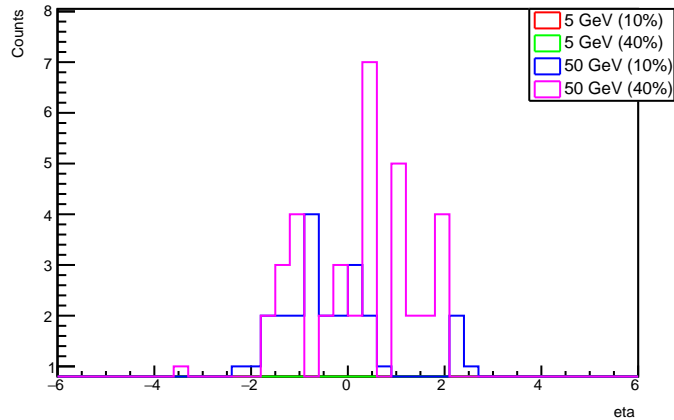
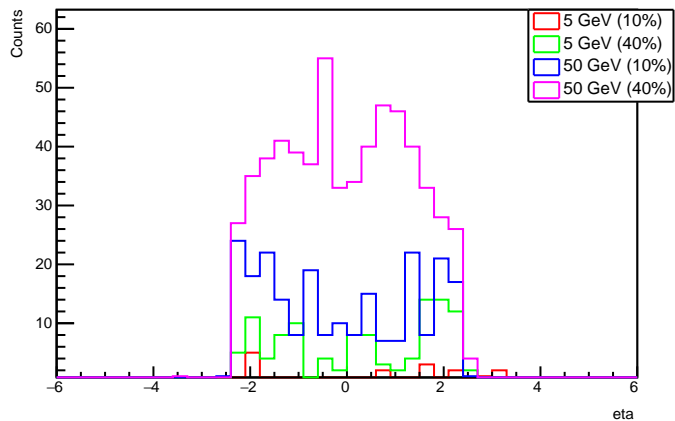
reco subleading Mu pt: MET > 120 GeV

reco subleading Mu pt: $j_{1\text{pt}} > 120$, at most 2 jets w/ $pt > 30$ GeVreco subleading Mu pt: at least 2 mu w/ $pt \geq 2$ GeV and $|\eta| < 2.5$ 

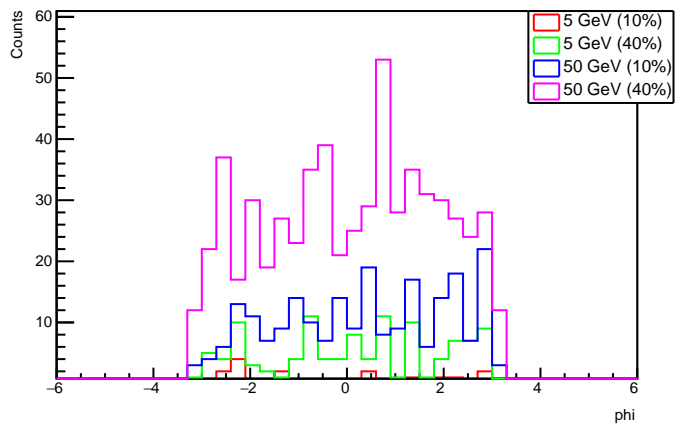
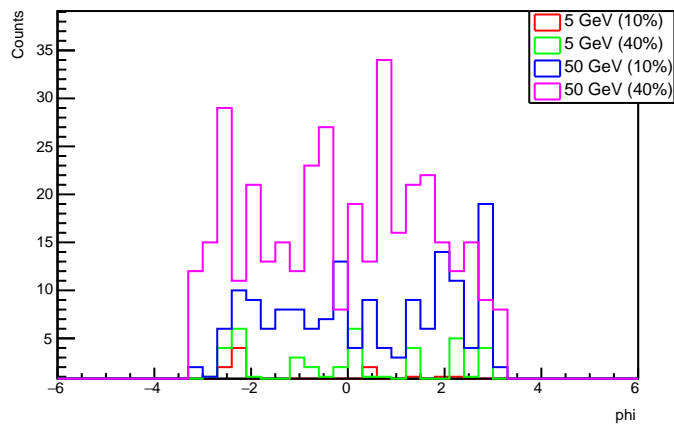
reco subleading Mu eta: no cuts

reco subleading Mu eta: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

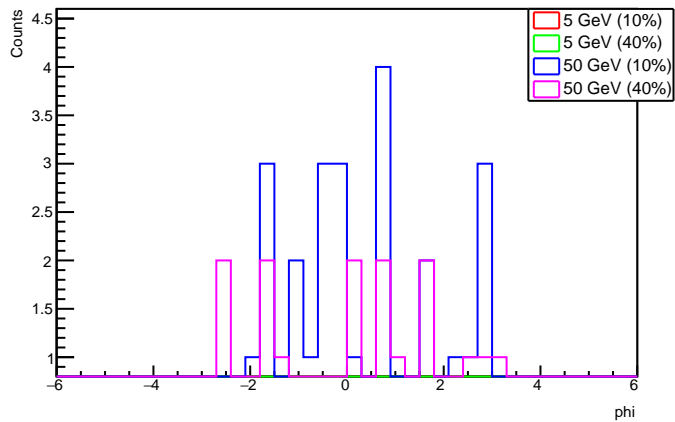
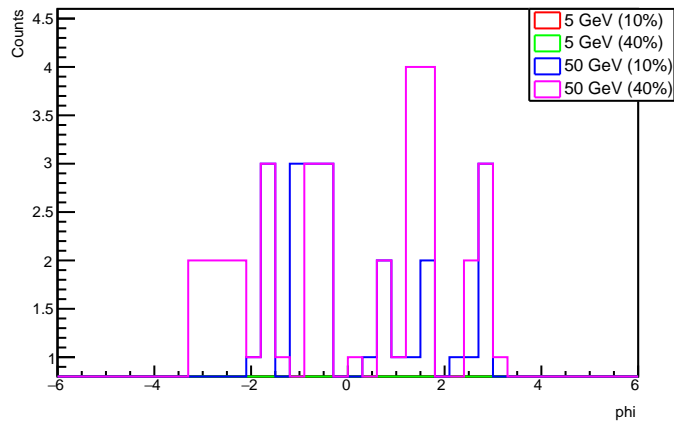
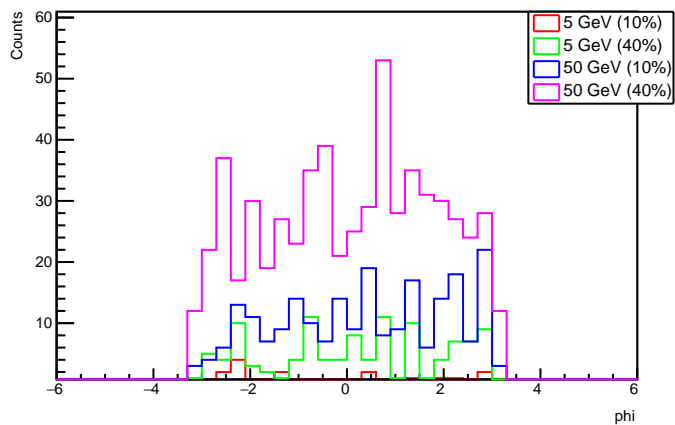
reco subleading Mu eta: MET > 120 GeV

reco subleading Mu eta: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_{\text{T}} > 30$ GeVreco subleading Mu eta: at least 2 mu w/ $p_{\text{T}} \geq 2$ GeV and $|\eta| < 2.5$ 

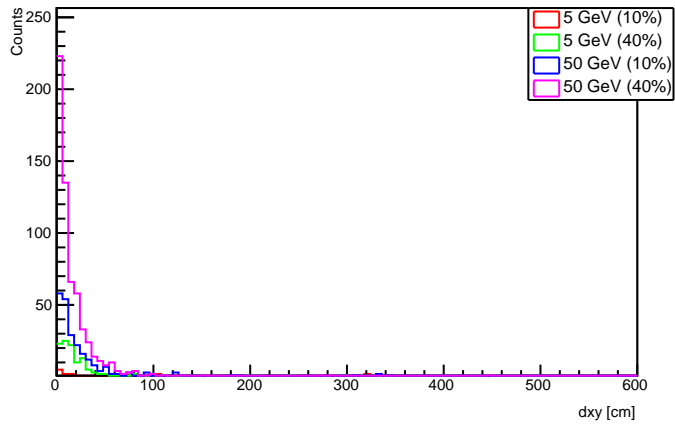
reco subleading Mu phi: no cuts

reco subleading Mu phi: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

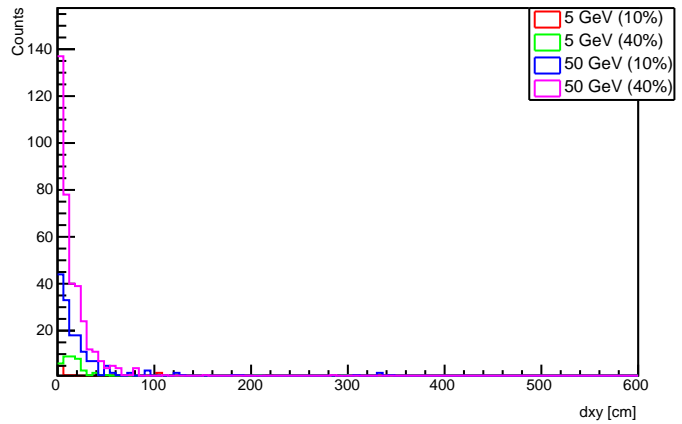
reco subleading Mu phi: MET > 120 GeV

reco subleading Mu phi: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco subleading Mu phi: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

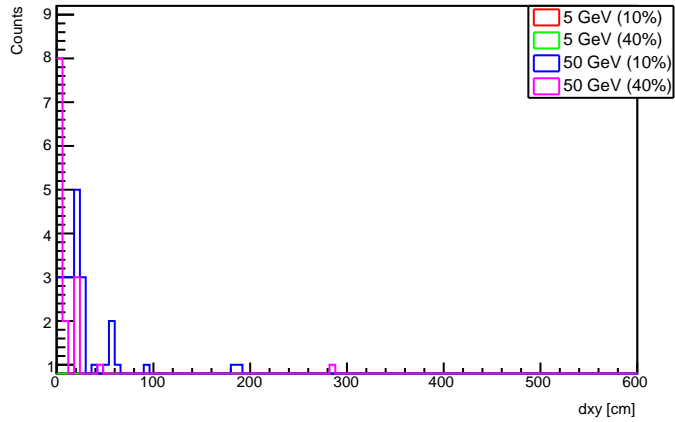
reco subleading Mu vxy: no cuts



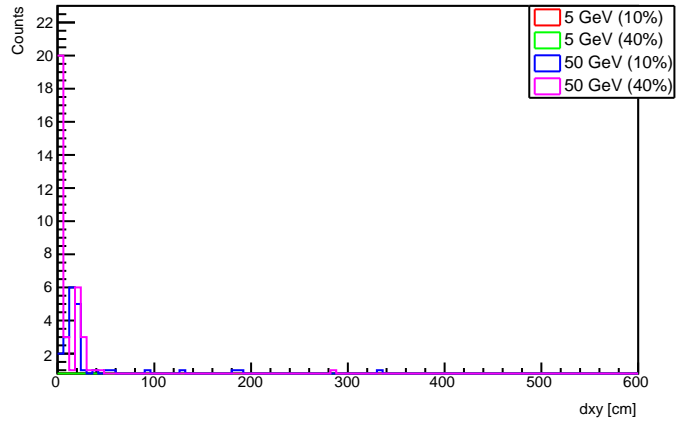
reco subleading Mu vxy: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV



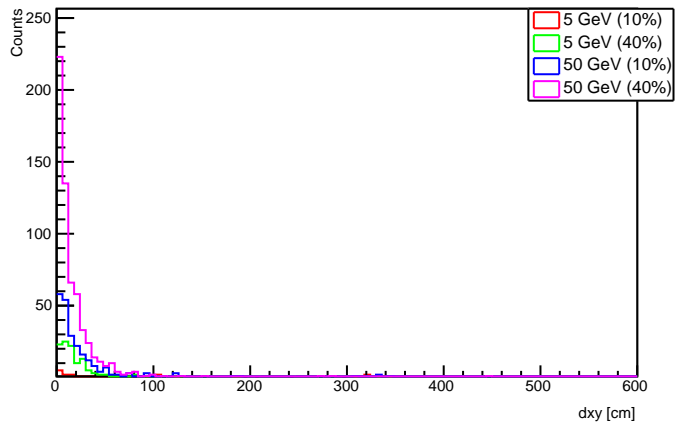
reco subleading Mu vxy: MET > 120 GeV



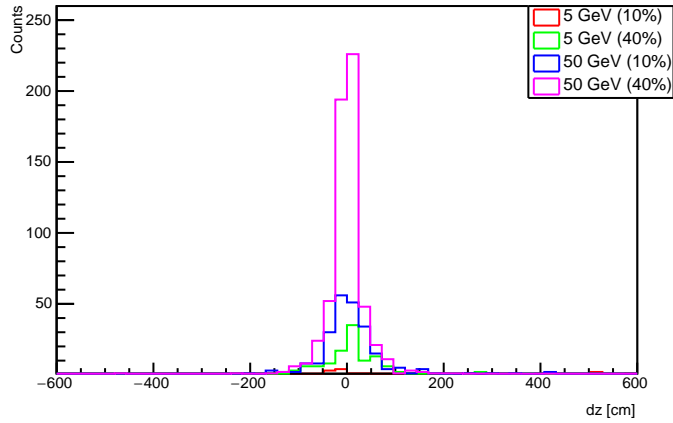
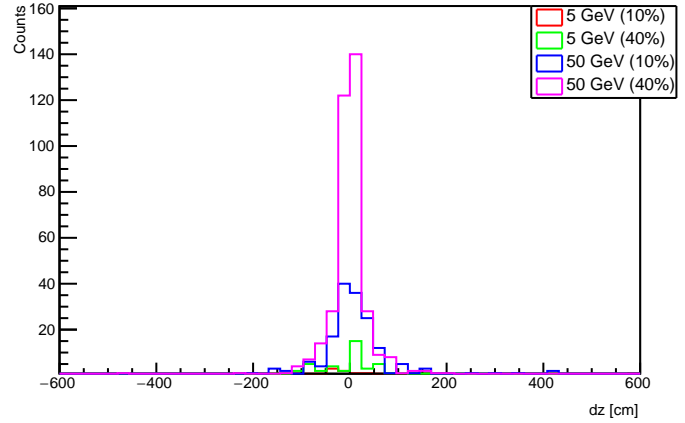
reco subleading Mu vxy: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeV



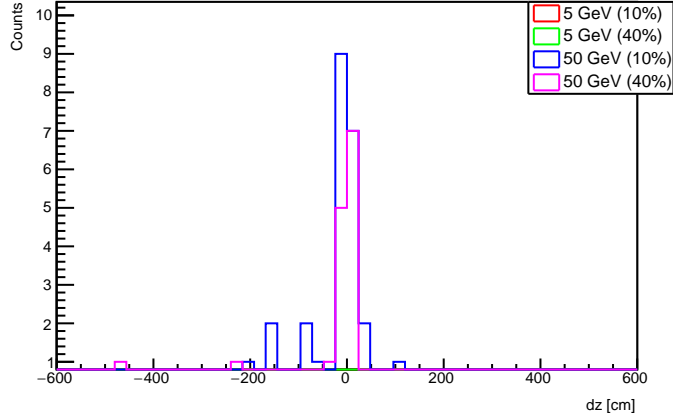
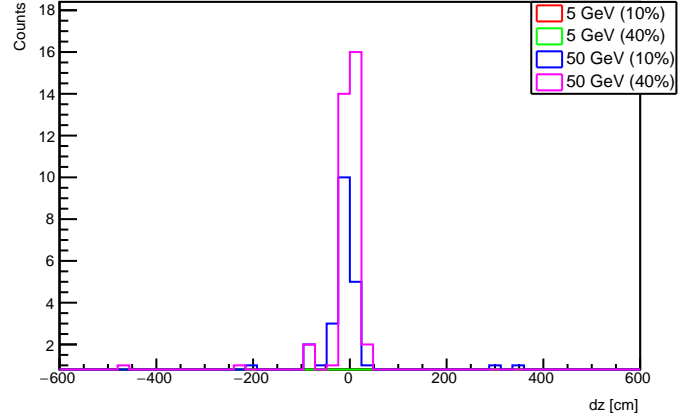
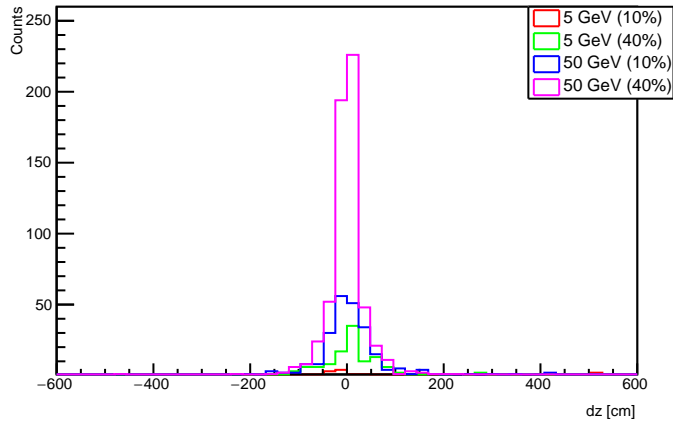
reco subleading Mu vxy: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$



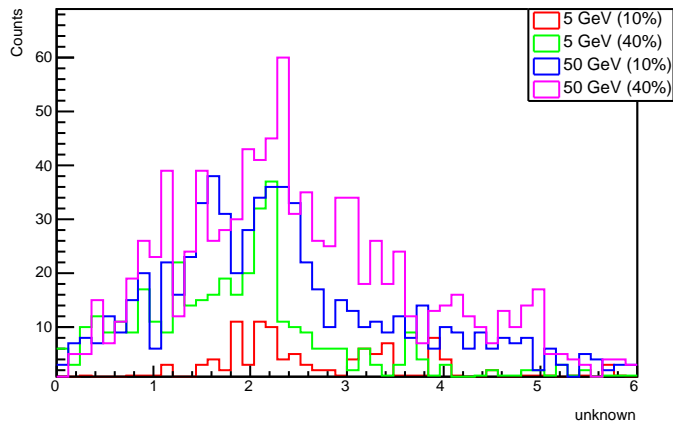
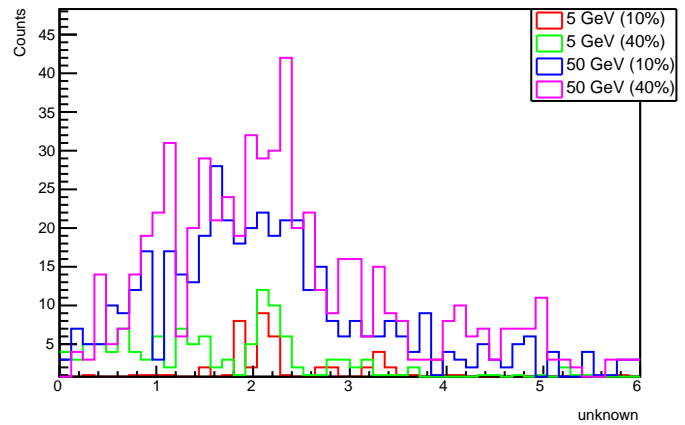
reco subleading Mu vz: no cuts

reco subleading Mu vz: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

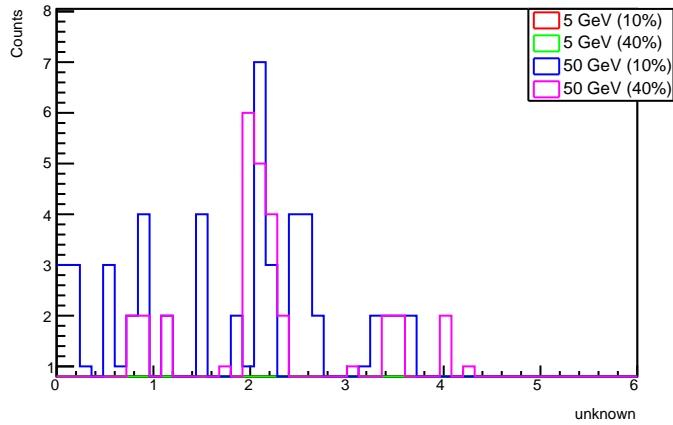
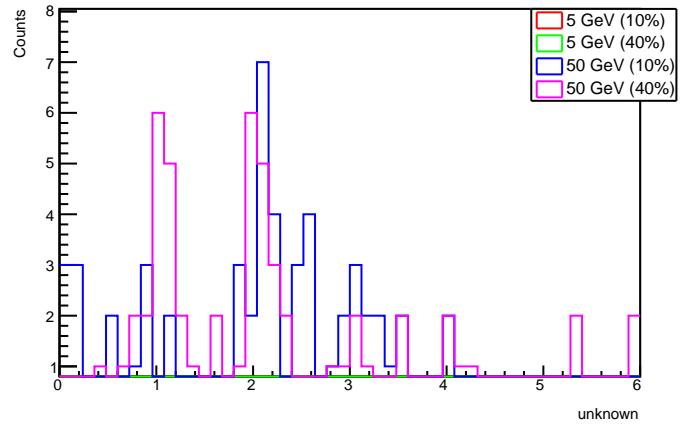
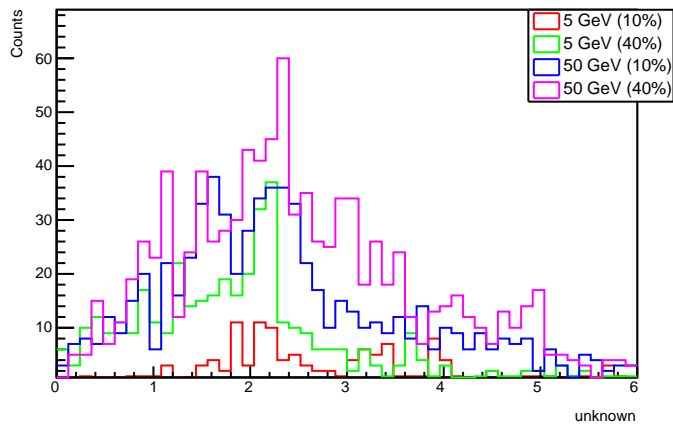
reco subleading Mu vz: MET > 120 GeV

reco subleading Mu vz: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVreco subleading Mu vz: at least 2 mu w/ $p_t \geq 2$ GeV and $|\eta| < 2.5$ 

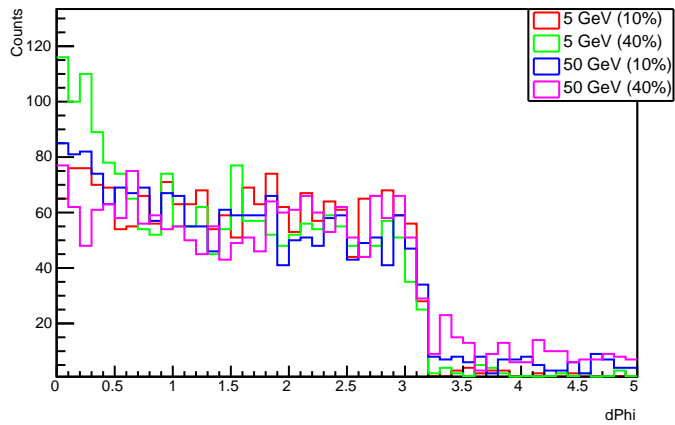
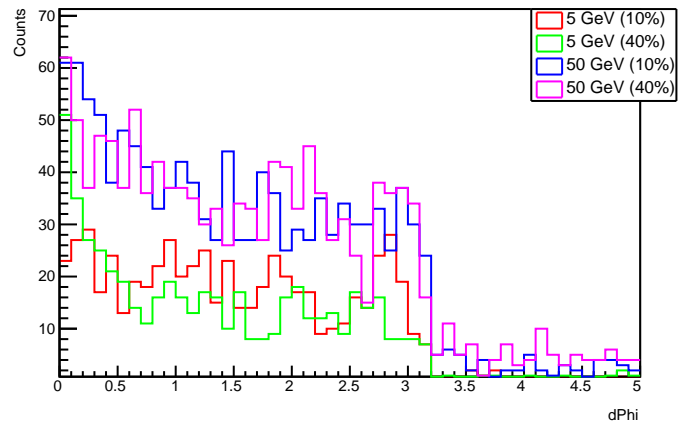
dR: reco leading mu and subleading mu: no cuts

dR: reco leading mu and subleading mu: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

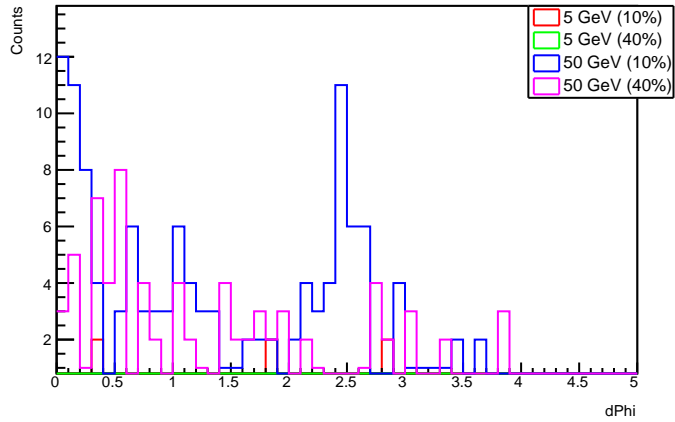
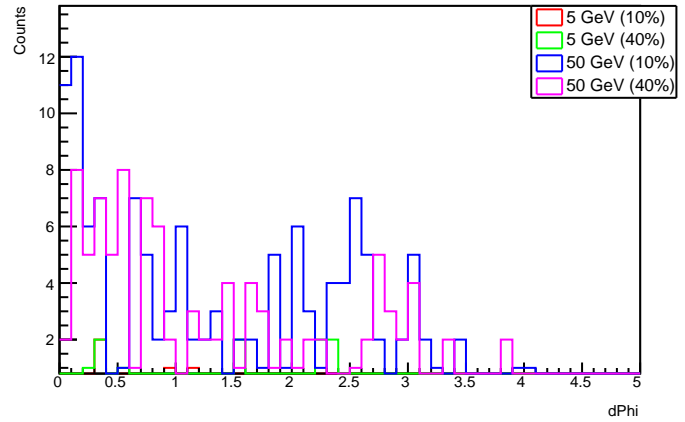
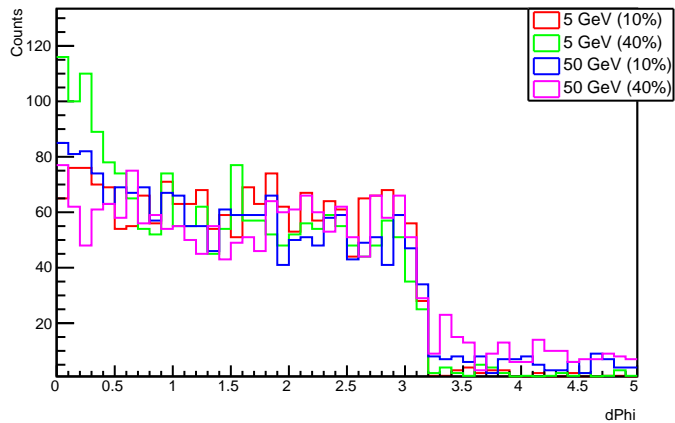
dR: reco leading mu and subleading mu: MET > 120 GeV

dR: reco leading mu and subleading mu: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVdR: reco leading mu and subleading mu: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

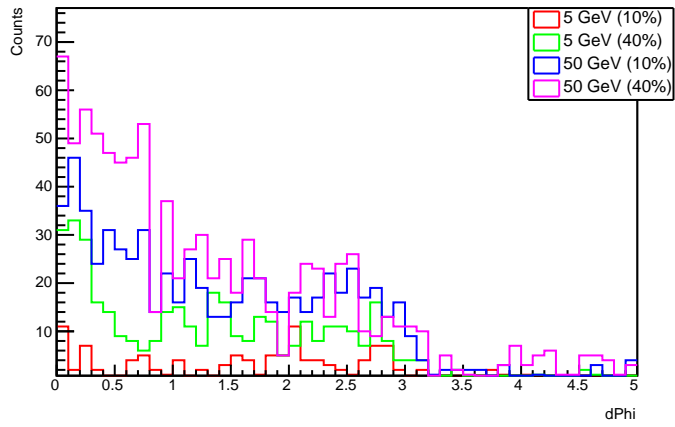
dPhi: reco MET and leading mu: no cuts

dPhi: reco MET and leading mu: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

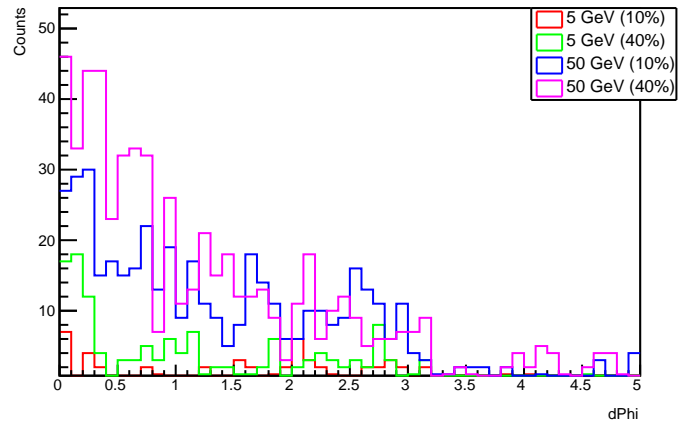
dPhi: reco MET and leading mu: MET > 120 GeV

dPhi: reco MET and leading mu: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVdPhi: reco MET and leading mu: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

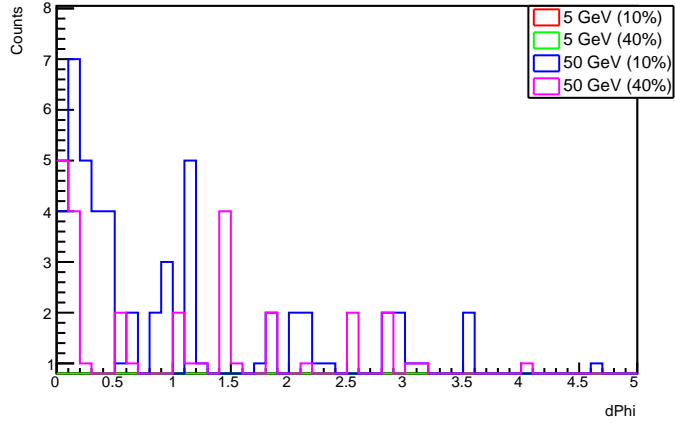
dPhi: reco leading mu and subleading mu: no cuts



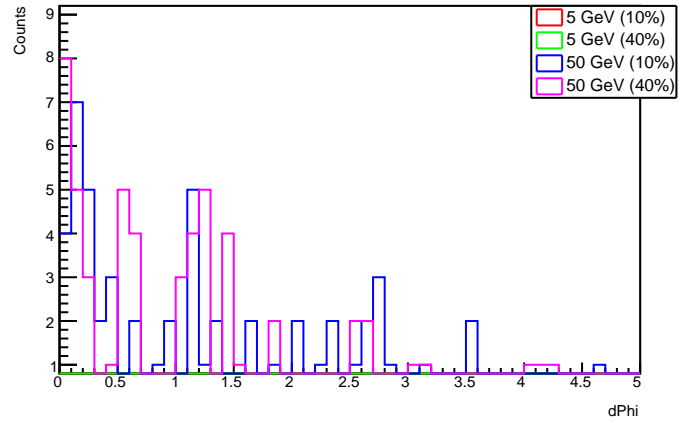
dPhi: reco leading mu and subleading mu: $n_{\text{jet}} \geq 1, j_{1\text{pt}} > 30 \text{ GeV}$



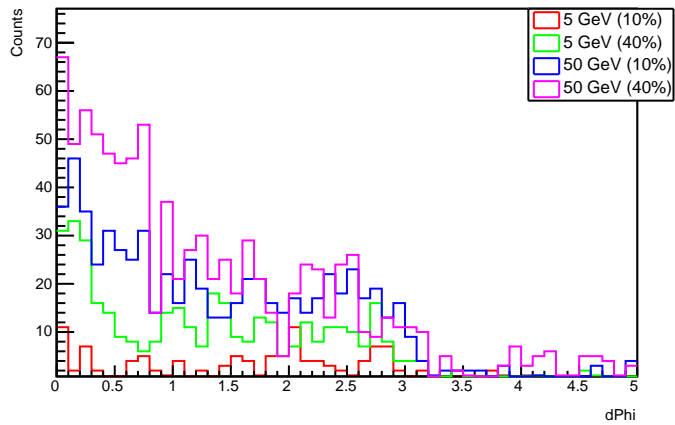
dPhi: reco leading mu and subleading mu: $\text{MET} > 120 \text{ GeV}$



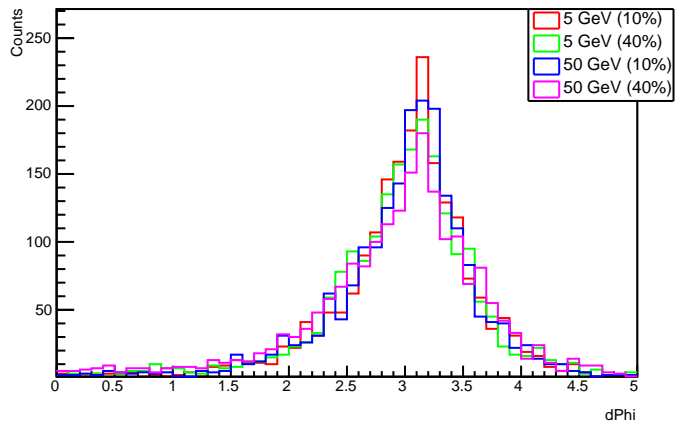
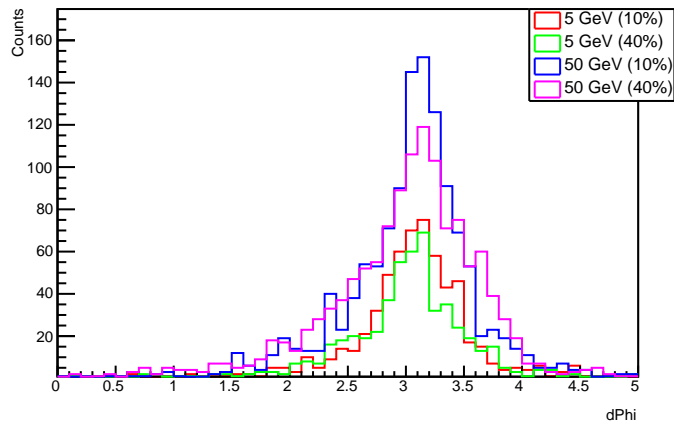
dPhi: reco leading mu and subleading mu: $j_{1\text{pt}} > 120, \text{ at most 2 jets w/ } p_{\text{T}} > 30 \text{ GeV}$



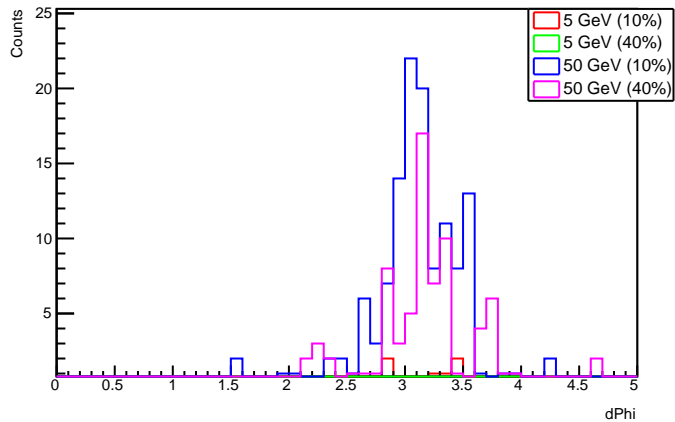
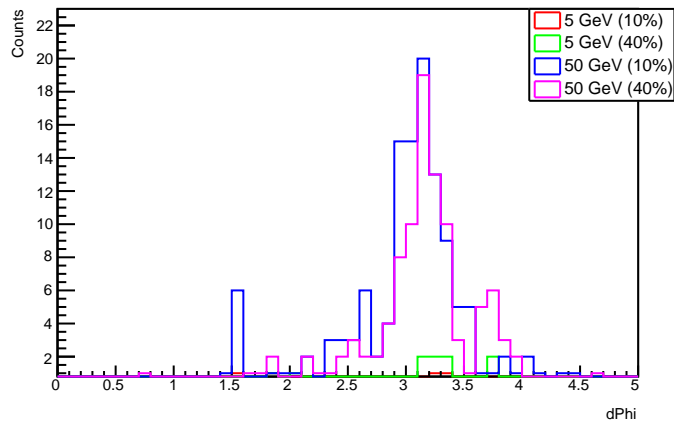
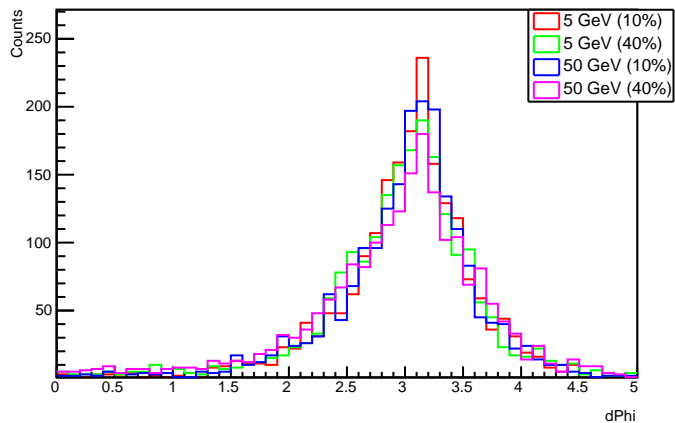
dPhi: reco leading mu and subleading mu: at least 2 mu w/ $p_{\text{T}} \geq 2 \text{ GeV}$ and $|\eta| < 2.5$



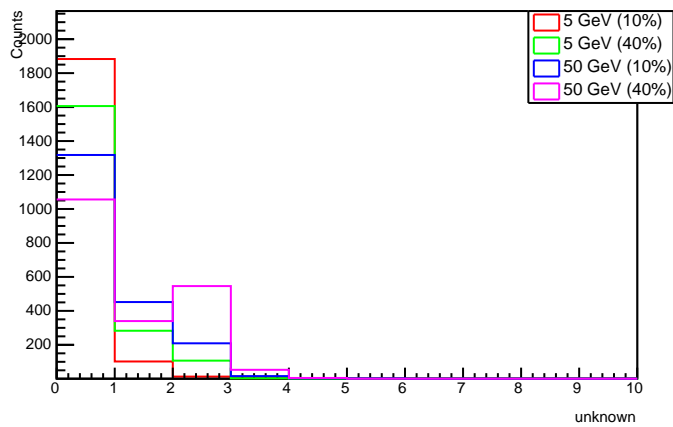
dPhi: reco MET and leading jet: no cuts

dPhi: reco MET and leading jet: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV

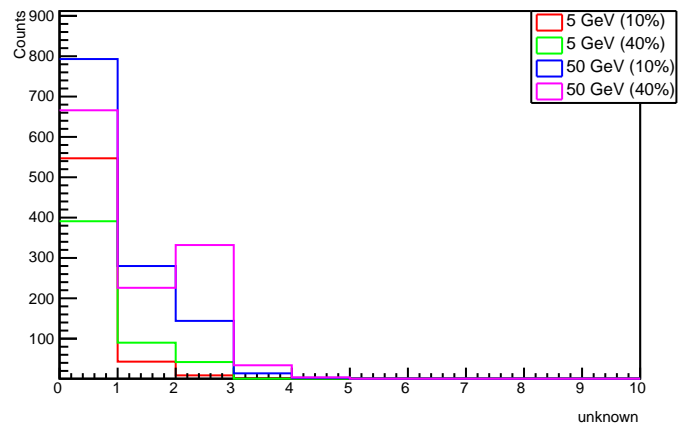
dPhi: reco MET and leading jet: MET > 120 GeV

dPhi: reco MET and leading jet: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeVdPhi: reco MET and leading jet: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$ 

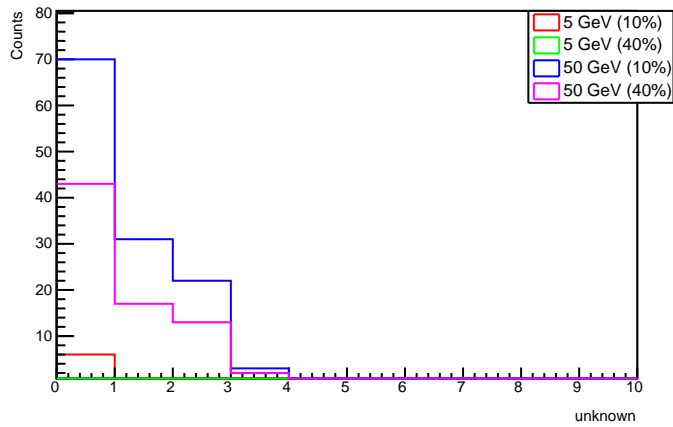
reco number of jets: no cuts



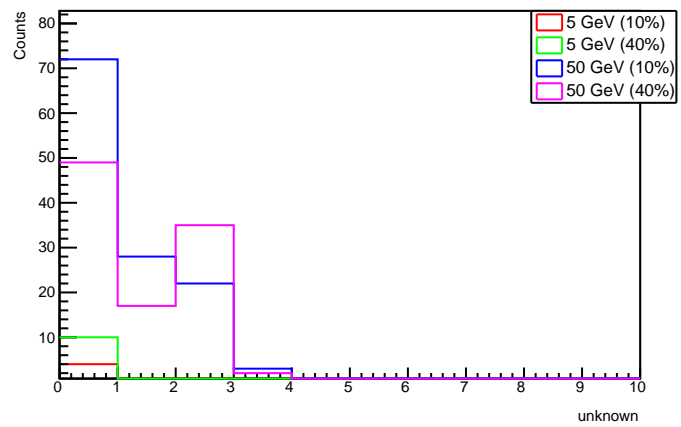
reco number of jets: $n_{\text{jet}} \geq 1$, $j_{1\text{pt}} > 30$ GeV



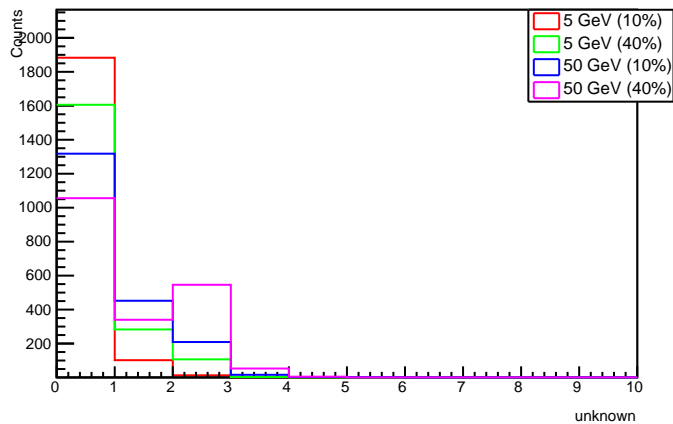
reco number of jets: MET > 120 GeV



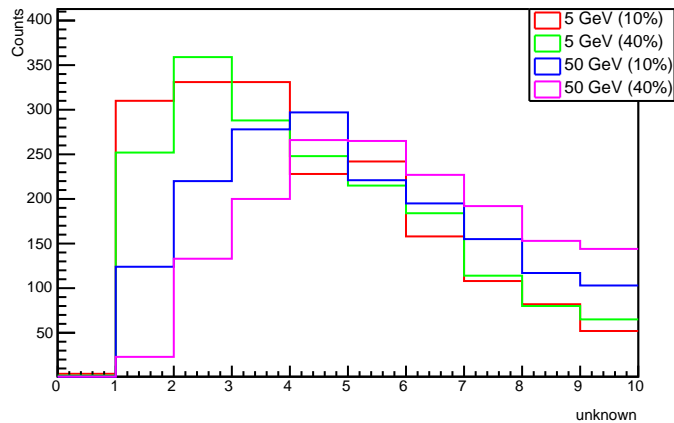
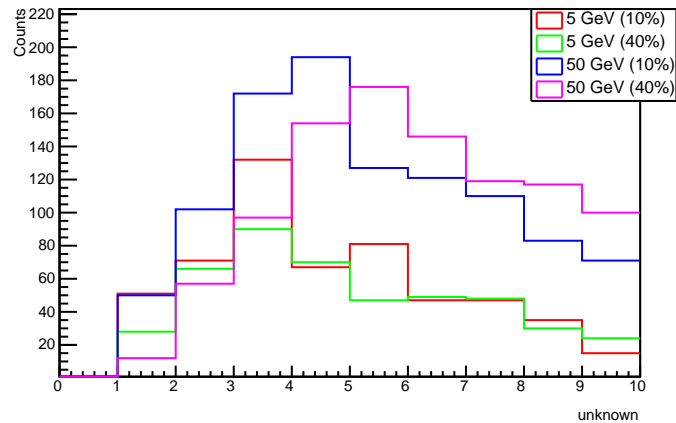
reco number of jets: $j_{1\text{pt}} > 120$, at most 2 jets w/ $p_t > 30$ GeV



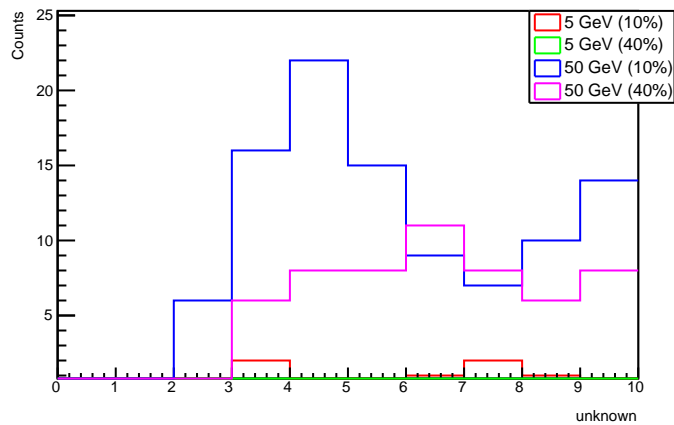
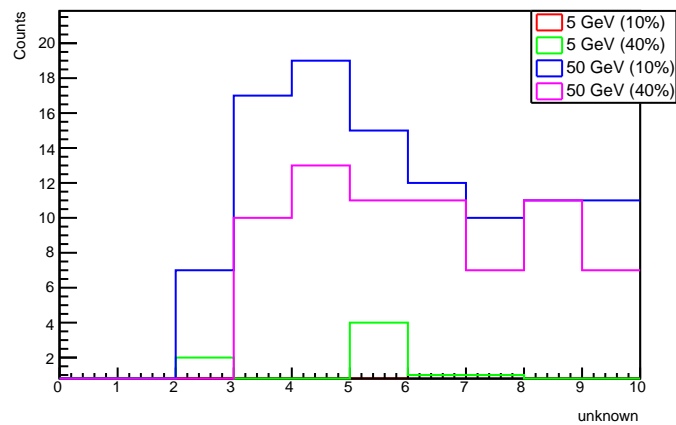
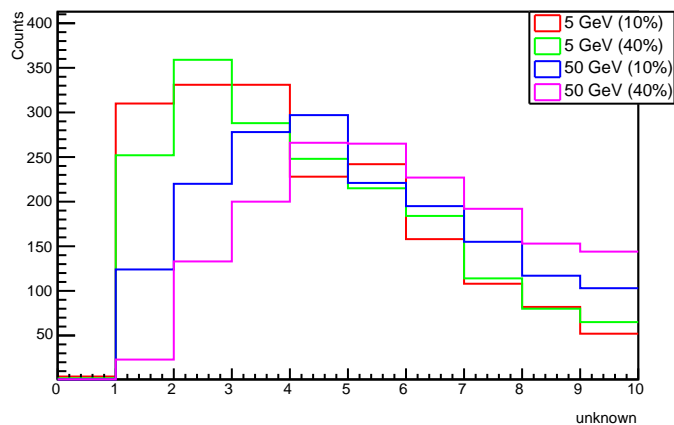
reco number of jets: at least 2 mu w/ $p_t \geq 2$ GeV and $\eta < 2.5$



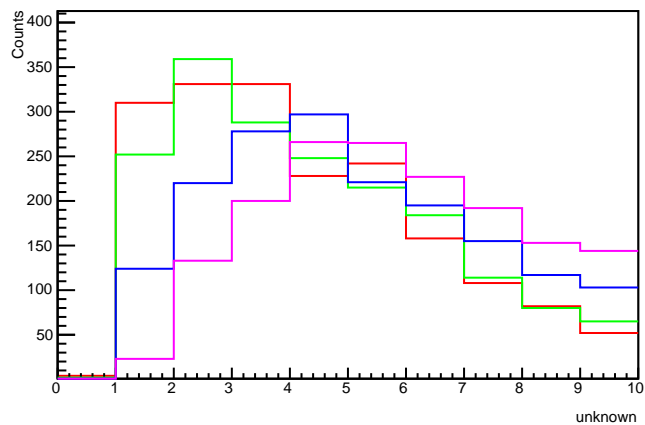
reco number of mu: no cuts

reco number of mu: $n_{\text{jet}} \geq 1$, $j1_{\text{pt}} > 30$ GeV

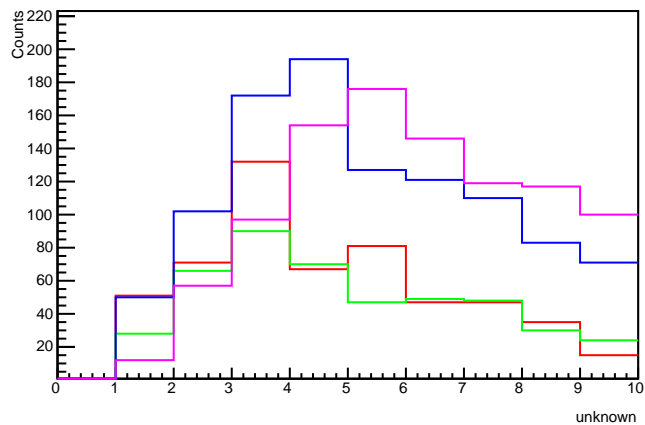
reco number of mu: MET > 120 GeV

reco number of mu: $j1_{\text{pt}} > 120$, at most 2 jets w/ $pt > 30$ GeVreco number of mu: at least 2 mu w/ $pt \geq 2$ GeV and $\eta < 2.5$ 

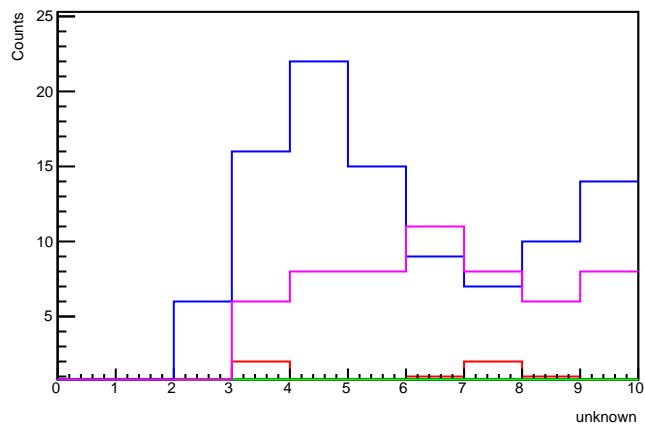
reco number of mu: no cuts



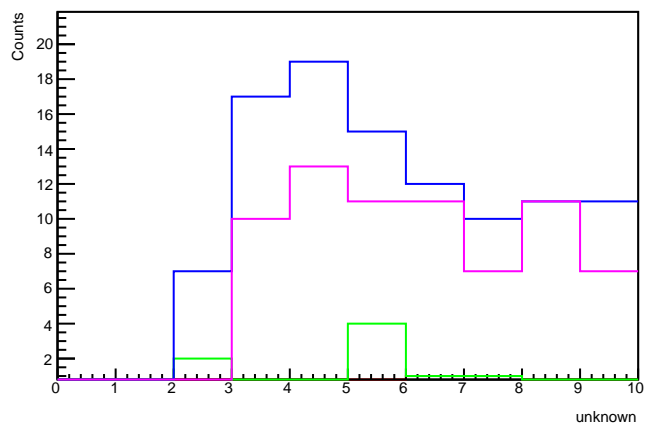
reco number of mu: $n_{\text{jet}} \geq 1$, $j1_{\text{pt}} > 30 \text{ GeV}$



reco number of mu: $\text{MET} > 120 \text{ GeV}$



reco number of mu: $j1_{\text{pt}} > 120$, at most 2 jets w/ $p_{\text{T}} > 30 \text{ GeV}$



reco number of mu: at least 2 mu w/ $p_{\text{T}} \geq 2 \text{ GeV}$ and $|\eta| < 2.5$

