Cross Cleaning: MET resolution

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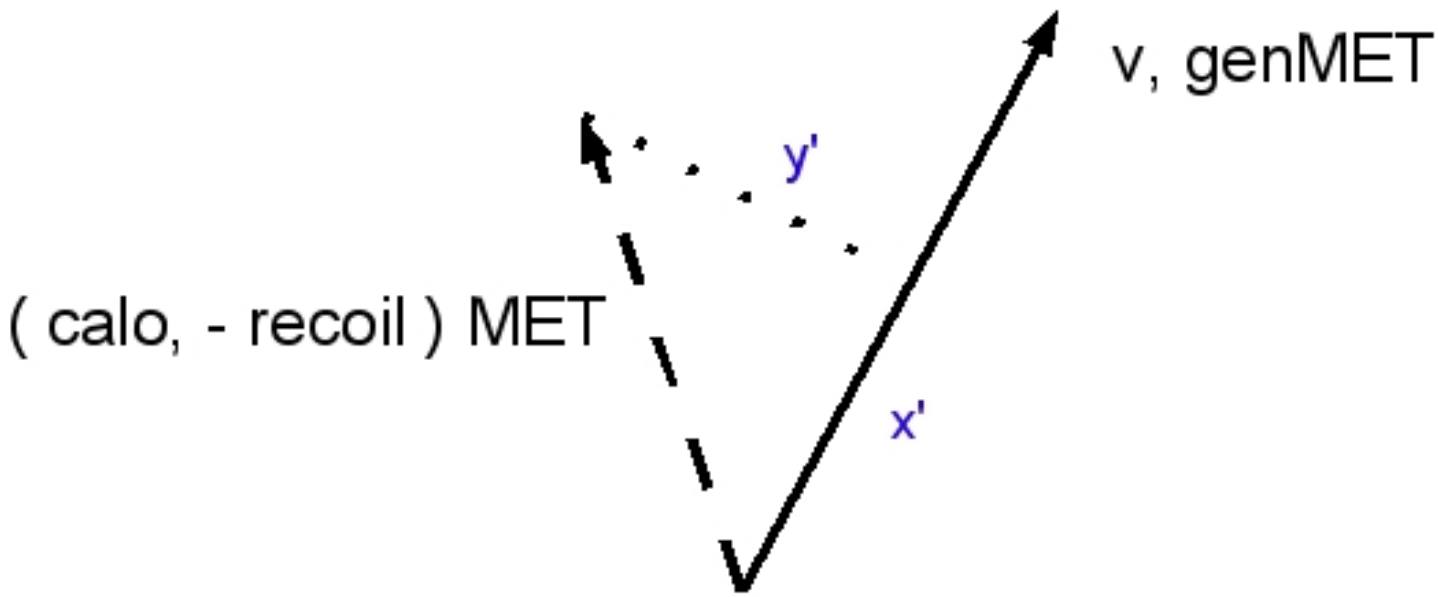
GEFÖRDERT VOM

Bundesministerium
für Bildung
und Forschung

Reco MET Projection on True MET



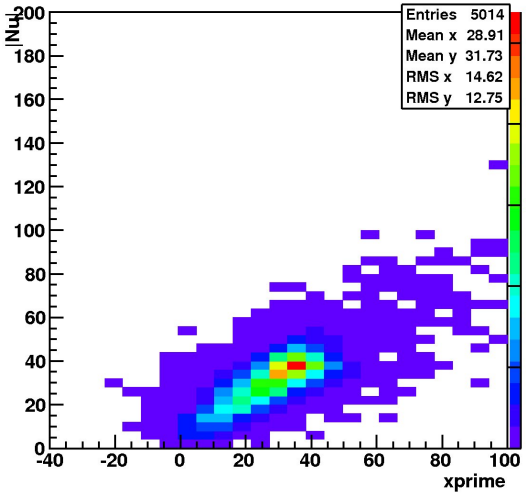
x' : parallel projection of reco MET to true MET

y' : transverse part of reco MET to true MET

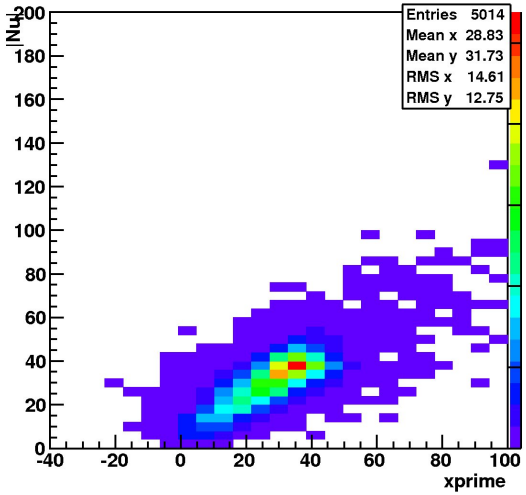
$(W- > e\nu)+$ Jets

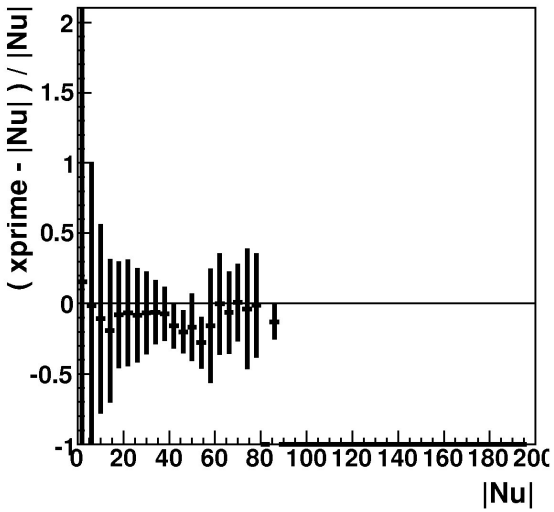
xprime (caloMET) fit

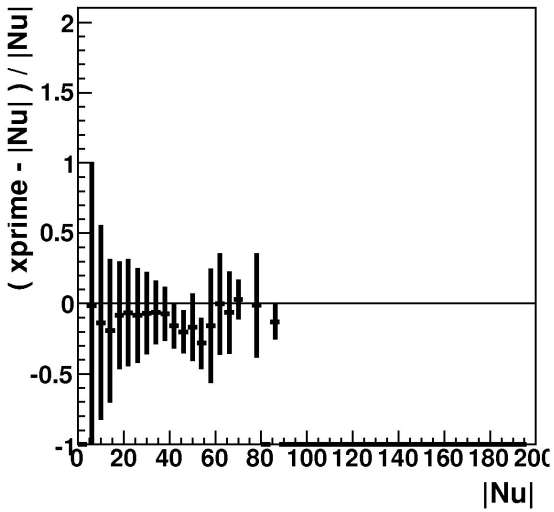
Reco, emf cut on jets



CC, integrated emf cut on jets



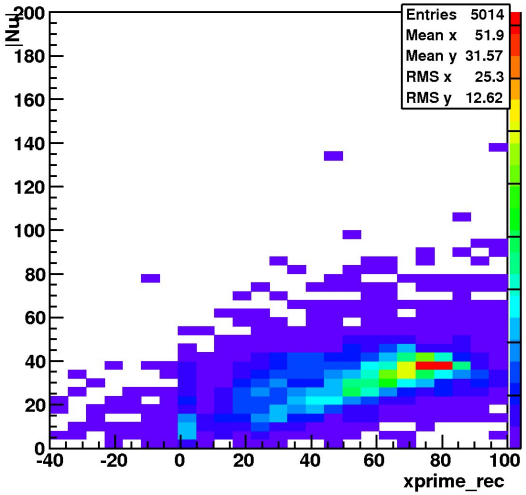




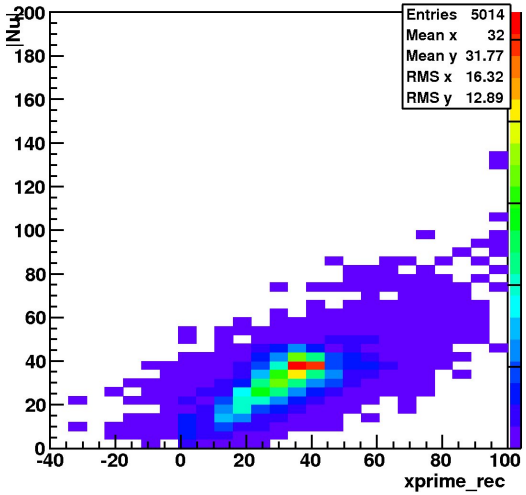
$(W- > e\nu)+$ Jets

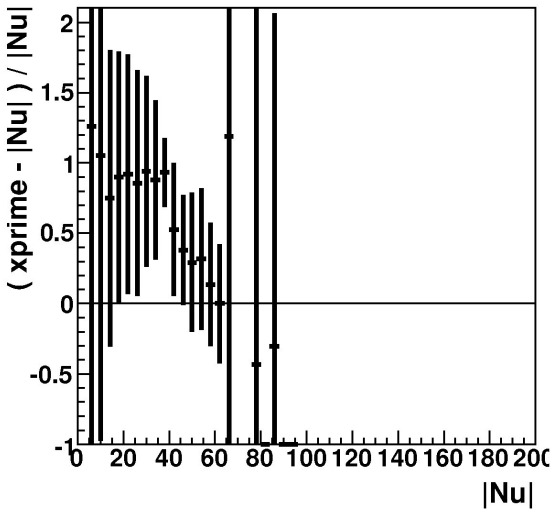
xprime (recoilMET) fit

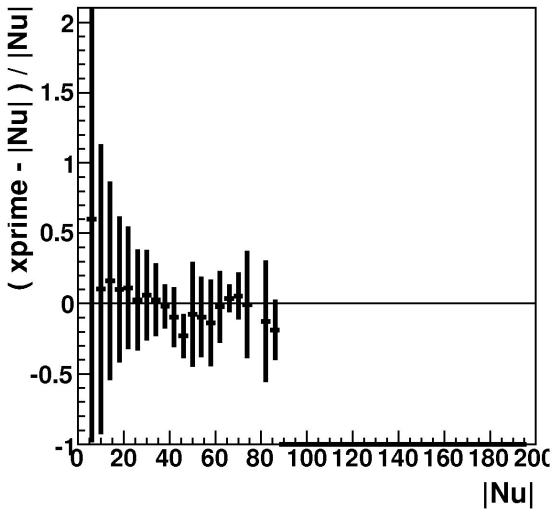
Reco, emf cut on jets



CC, integrated emf cut on jets



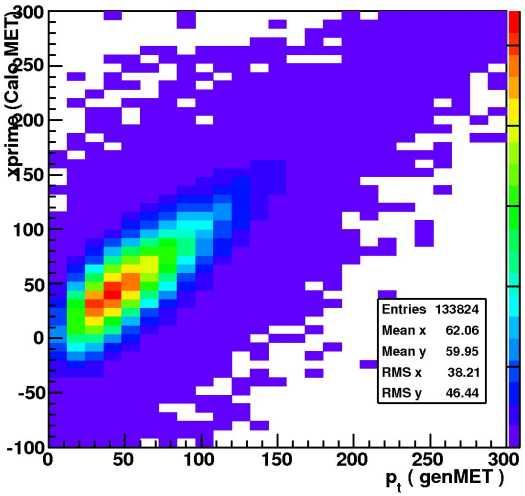




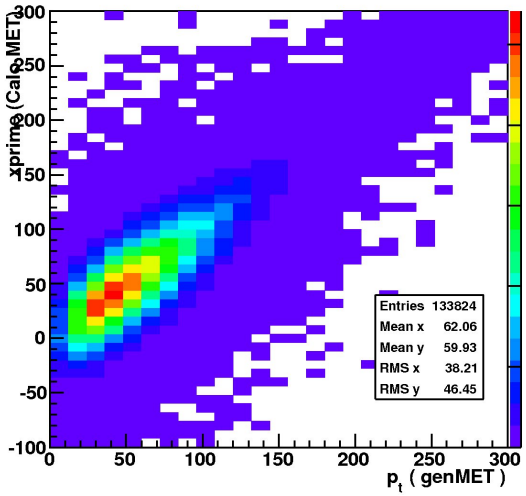
Semileptonic $t\bar{t}$

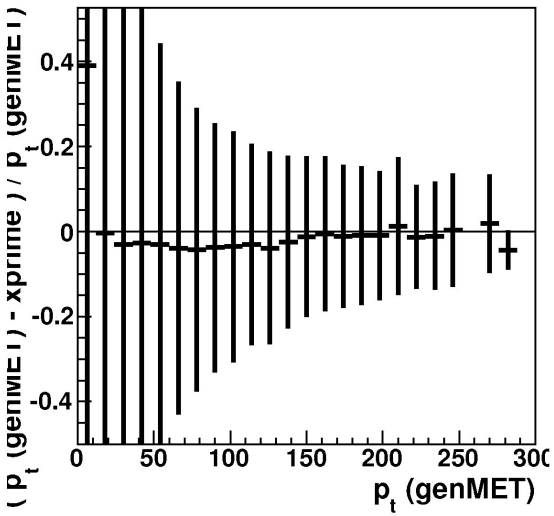
xprime (caloMET) fit

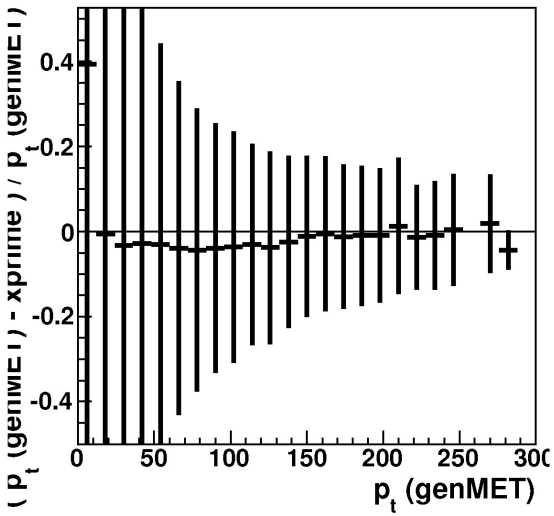
Reco, emf cut on jets



CC, integrated emf cut on jets



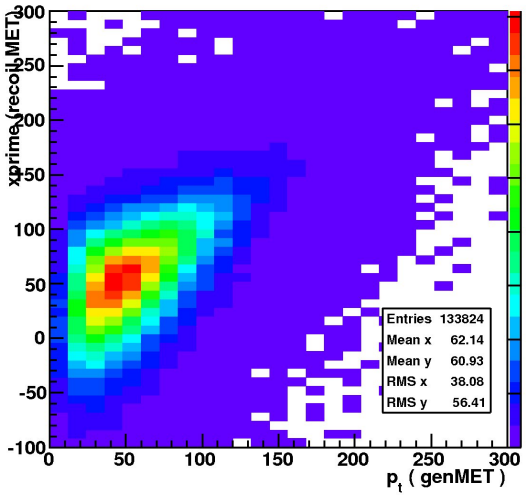




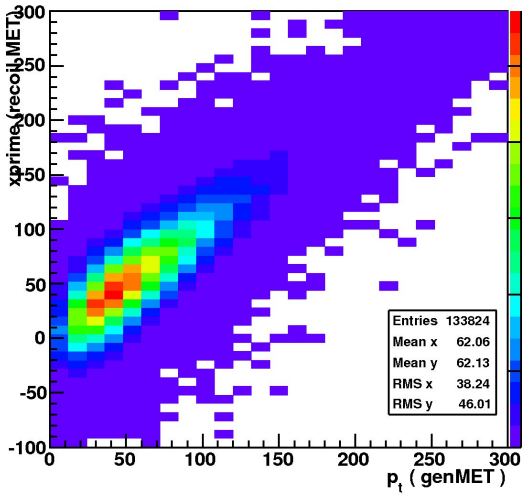
Semileptonic $t\bar{t}$

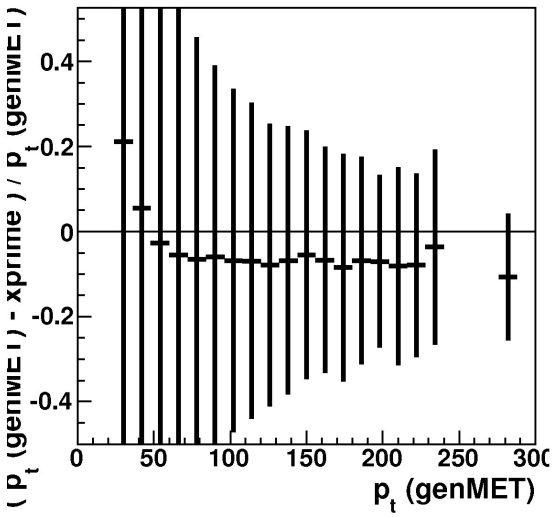
xprime (recoilMET) fit

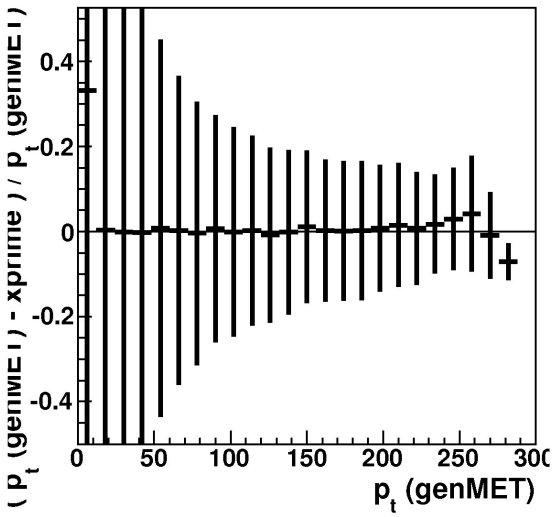
Reco, emf cut on jets



CC, integrated emf cut on jets

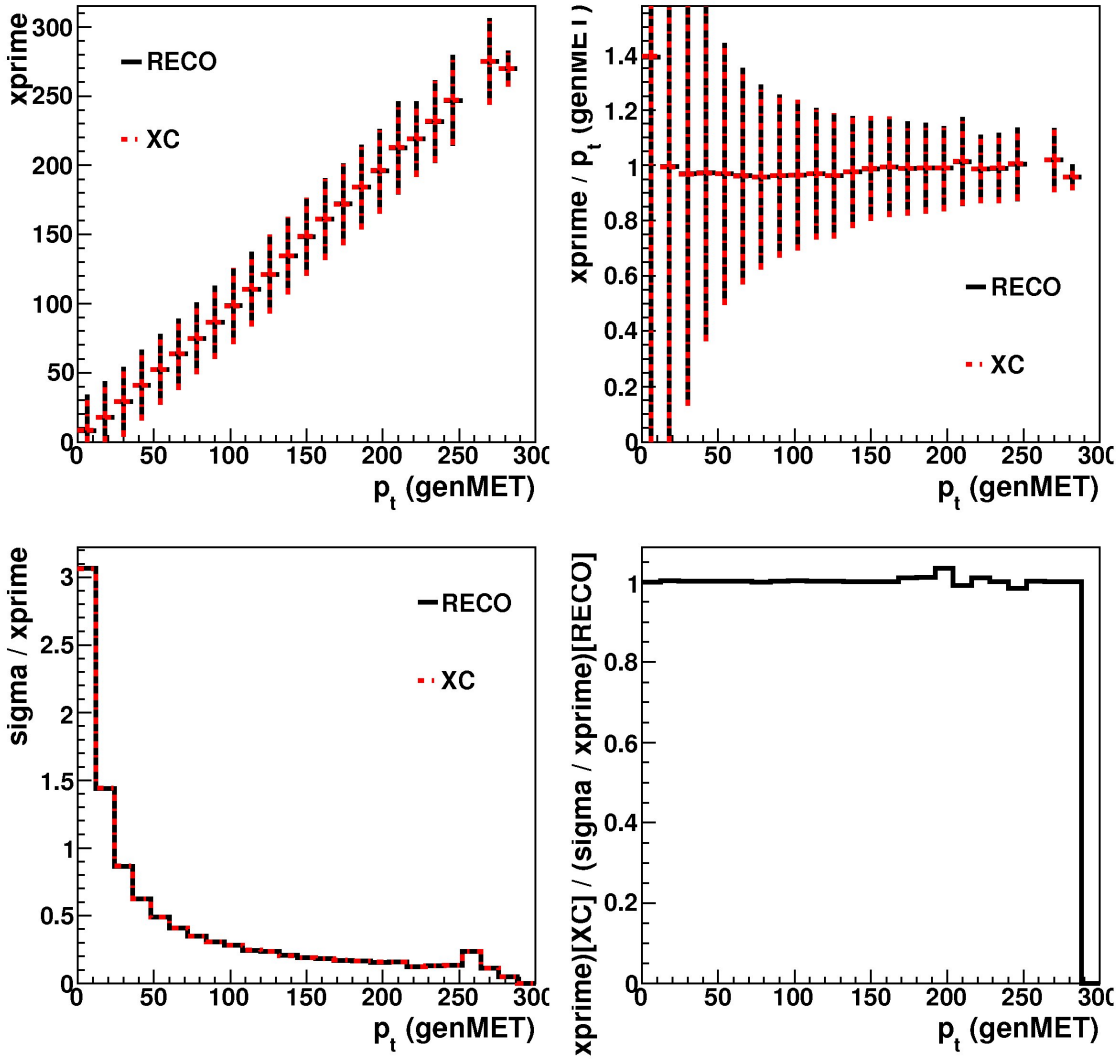






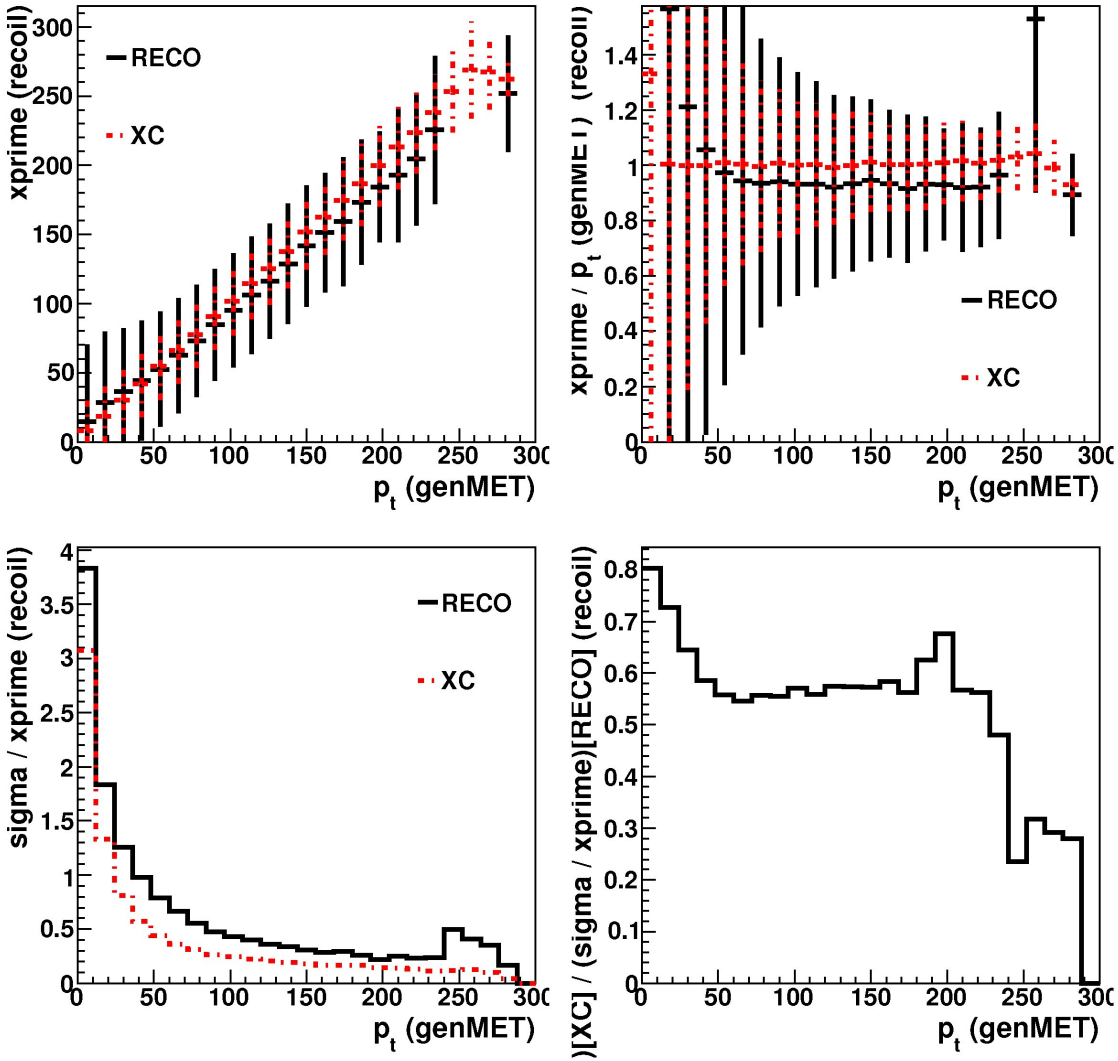
Semileptonic $t\bar{t}$

xprime (caloMET) fit, ii



Semileptonic $t\bar{t}$

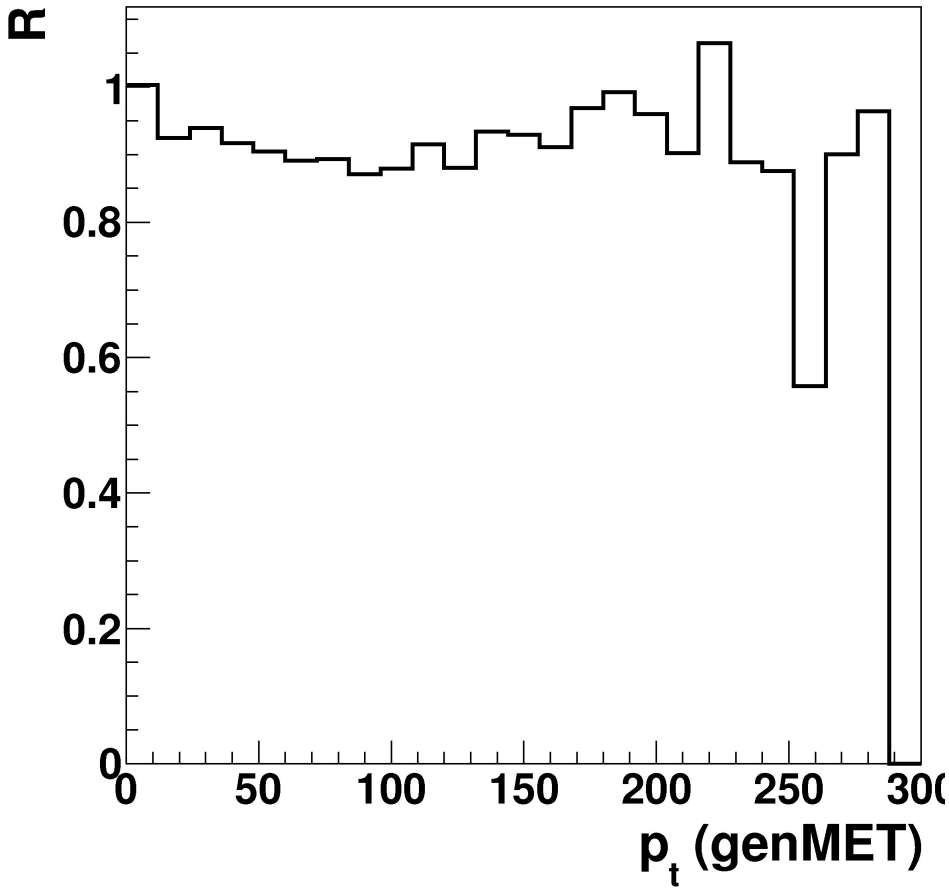
xprime (recoilMET) fit, ii



Semileptonic $t\bar{t}$

Ratio of Resolutions

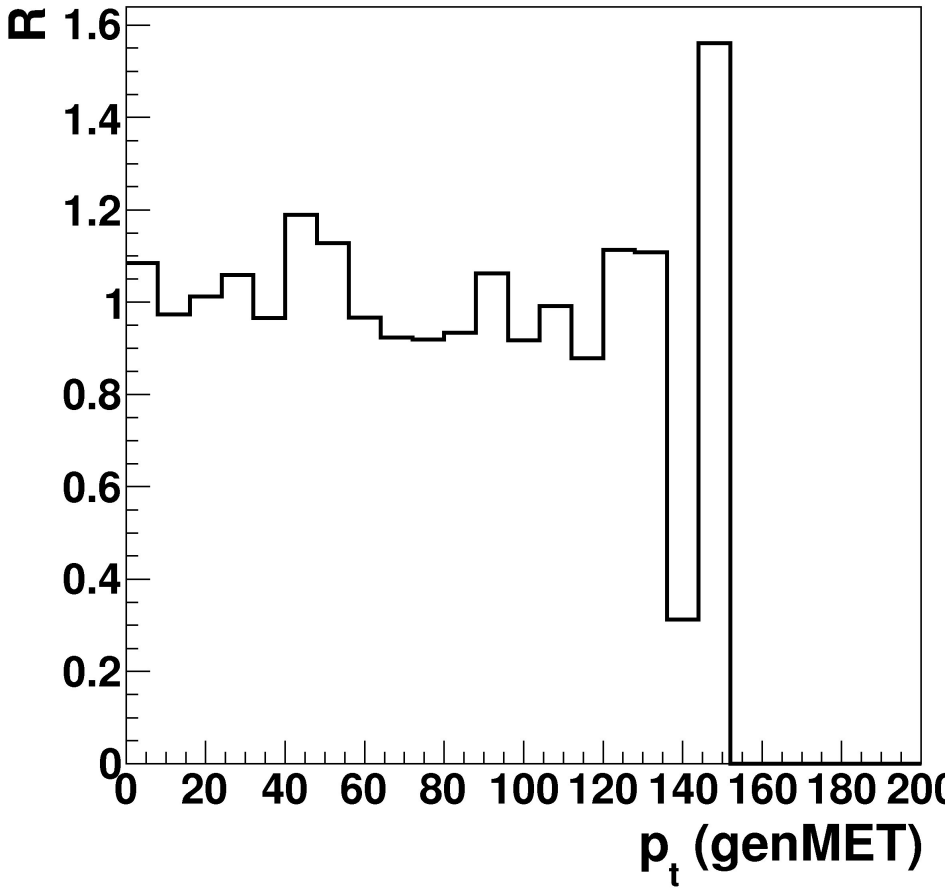
R = (σ / xprime) [XC, recoil] / (σ / xprime) [RECO, calo]



$(W- > e\nu)+$ Jets

Ratio of Resolutions

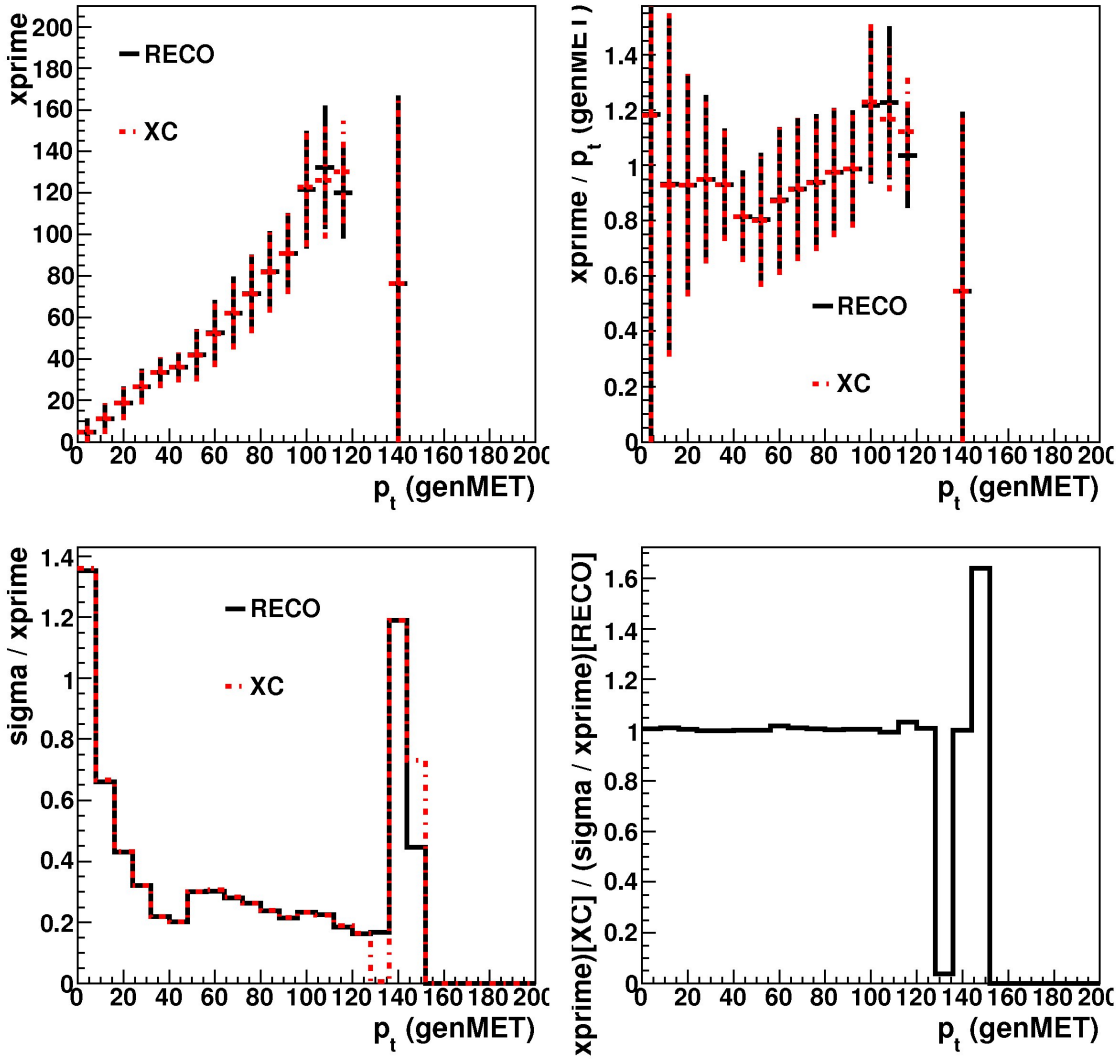
R = (σ / xprime) [XC, recoil] / (σ / xprime) [RECO, calo]



Backup

$(W- > e\nu)+$ Jets

xprime (caloMET) fit, ii



$(W- > e\nu)+$ Jets

xprime (recoilMET) fit, ii