

# Cross Cleaning: MET resolution

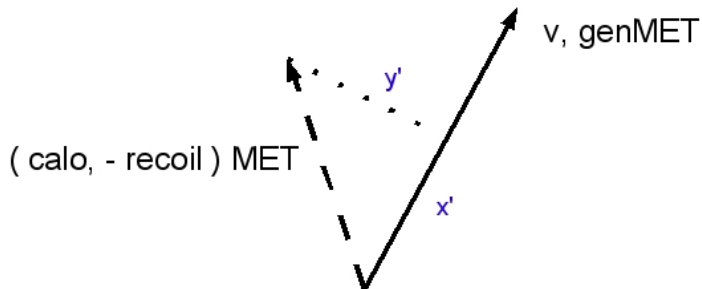
Friederike Nowak

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12. May 2010



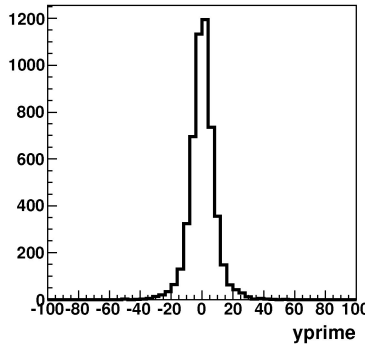
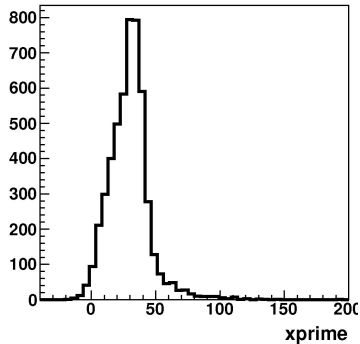
# Reco MET Projection on True MET



$x'$  : parallel projection of reco MET to true MET

$y'$  : transverse part of reco MET to true MET

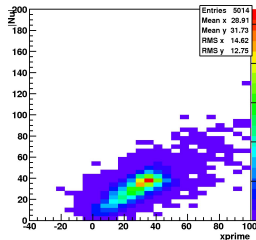
## $x'$ and $y'$ (caloMET)



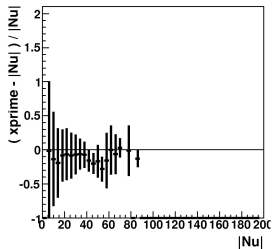
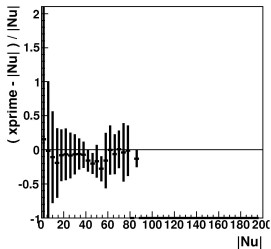
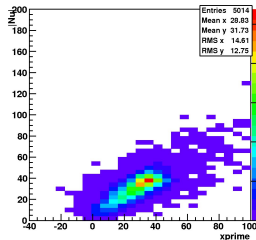
# $(W^- \rightarrow e\nu) + \text{Jets}$

xprime (caloMET) fit

Reco, emf cut on jets



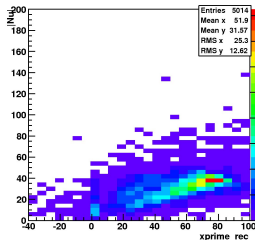
CC, integrated emf cut on jets



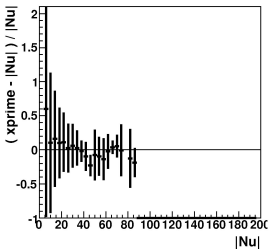
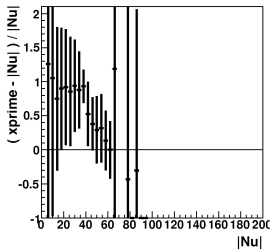
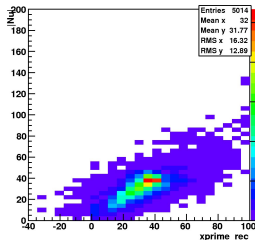
# $(W^- \rightarrow e\nu) + \text{Jets}$

xprime (recoilMET) fit

Reco, emf cut on jets



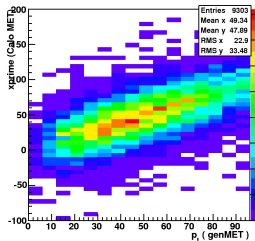
CC, integrated emf cut on jets



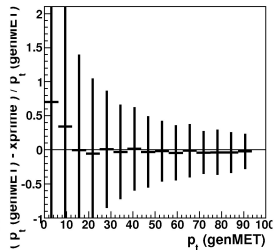
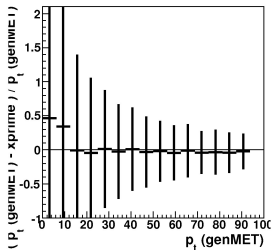
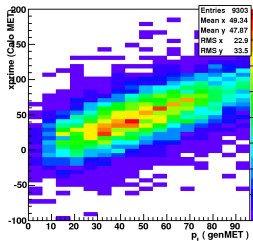
# Semileptonic $t\bar{t}$

xprime (caloMET) fit

Reco, emf cut on jets



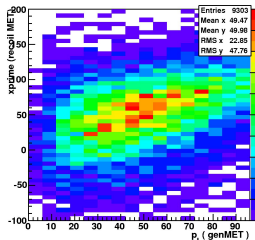
CC, integrated emf cut on jets



# Semileptonic $t\bar{t}$

xprime (recoilMET) fit

Reco, emf cut on jets



CC, integrated emf cut on jets

