

Reco vs Truth Plots

September 13, 2024

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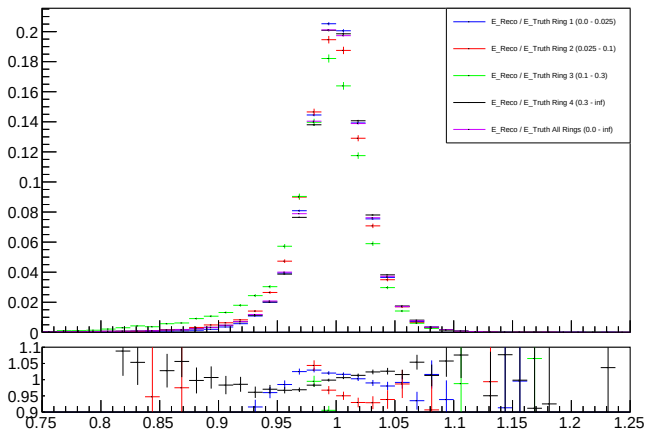
Custom

Description

- ▶ Selection - Electrons are first selected based on Eta to determine which section of the calorimeter it is in (Barrel or Endcap).
Then selects FSR photon with smallest delta R (w.r.t. both leading and subleading electrons) - determines the FSR photon pT and the dR Ring which electrons are sorted into.

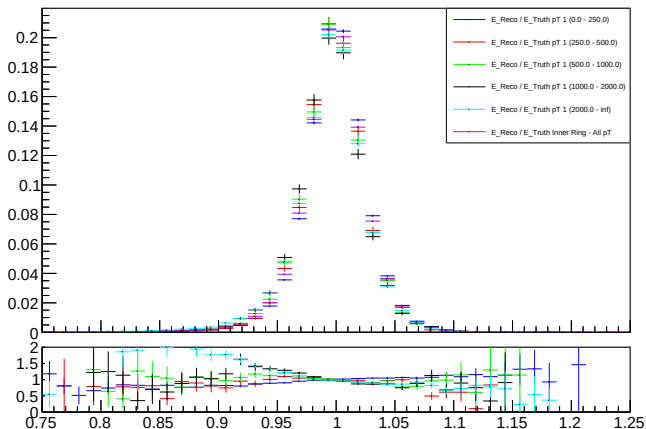
Reco Energy vs Truth Energy - Barrel-Barrel - All Rings

$E_{\text{Reco}} / E_{\text{Truth}}$ - All Rings

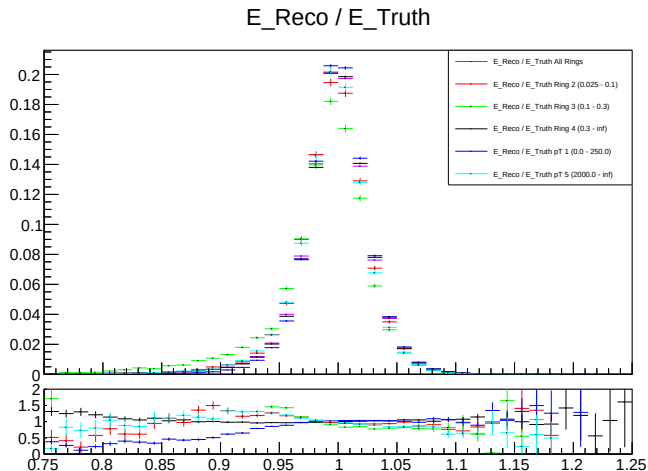


Reco Energy vs Truth Energy - Barrel-Barrel - Inner Ring

$E_{\text{Reco}} / E_{\text{Truth}} - \text{Inner Ring (0.0 - 0.025)}$

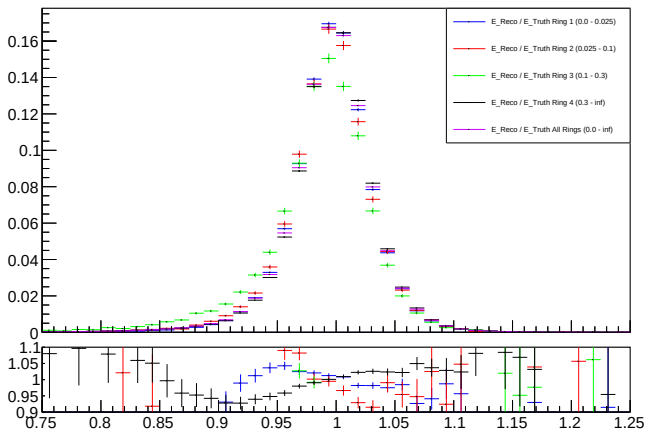


Reco Energy vs Truth Energy - Barrel-Barrel - Custom



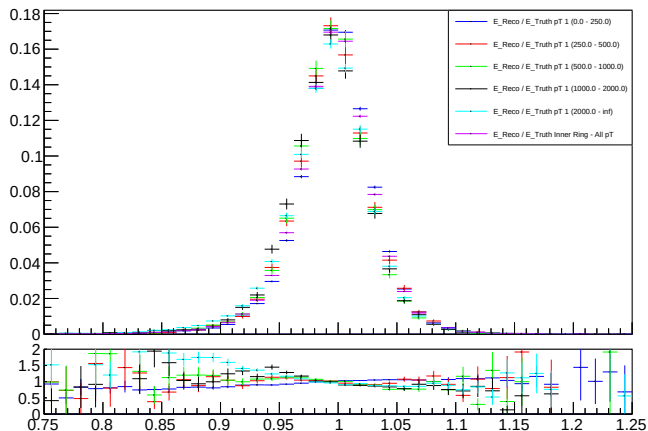
Reco Energy vs Truth Energy - Barrel-Endcap - All Rings

$E_{\text{Reco}} / E_{\text{Truth}}$ - All Rings

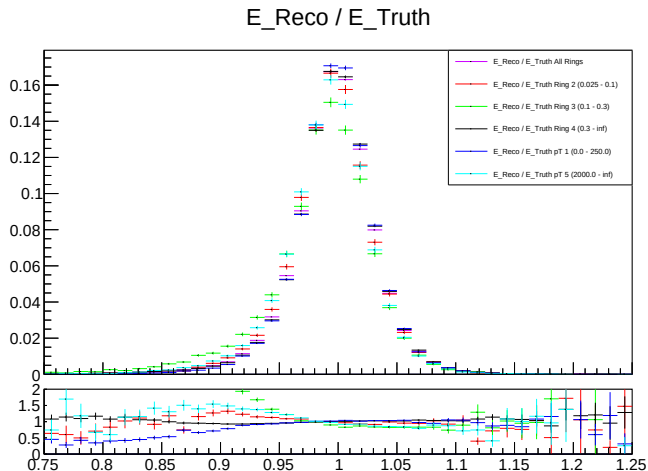


Reco Energy vs Truth Energy - Barrel-Endcap - Inner Ring

$E_{\text{Reco}} / E_{\text{Truth}}$ - Inner Ring (0.0 - 0.025)

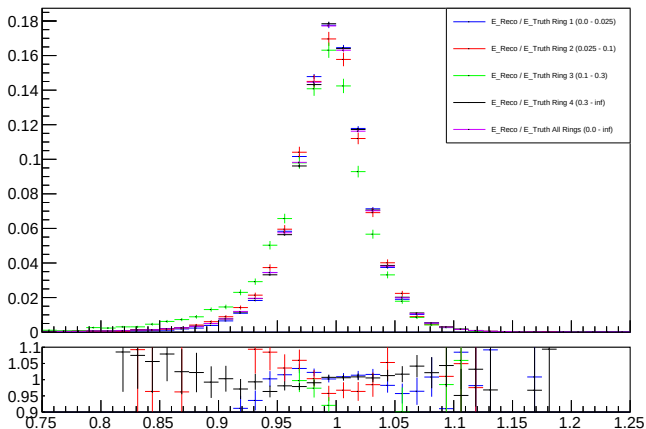


Reco Energy vs Truth Energy - Barrel-Endcap - Custom



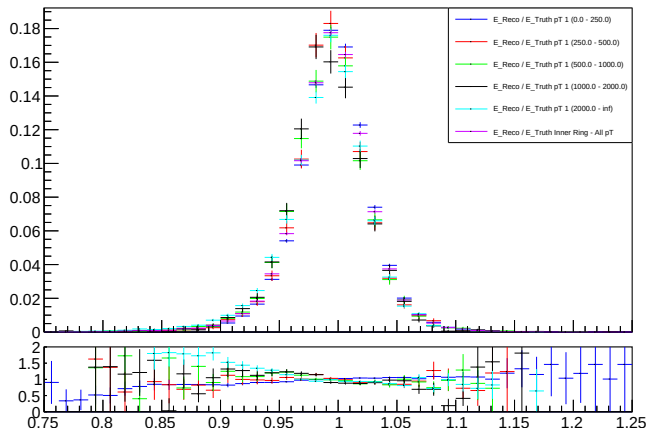
Reco Energy vs Truth Energy - Endcap-Endcap - All Rings

$E_{\text{Reco}} / E_{\text{Truth}} - \text{All Rings}$



Reco Energy vs Truth Energy - Endcap-Endcap - Inner Ring

E_Reco / E_Truth - Inner Ring (0.0 - 0.025)



Reco Energy vs Truth Energy - Endcap-Endcap - Custom

