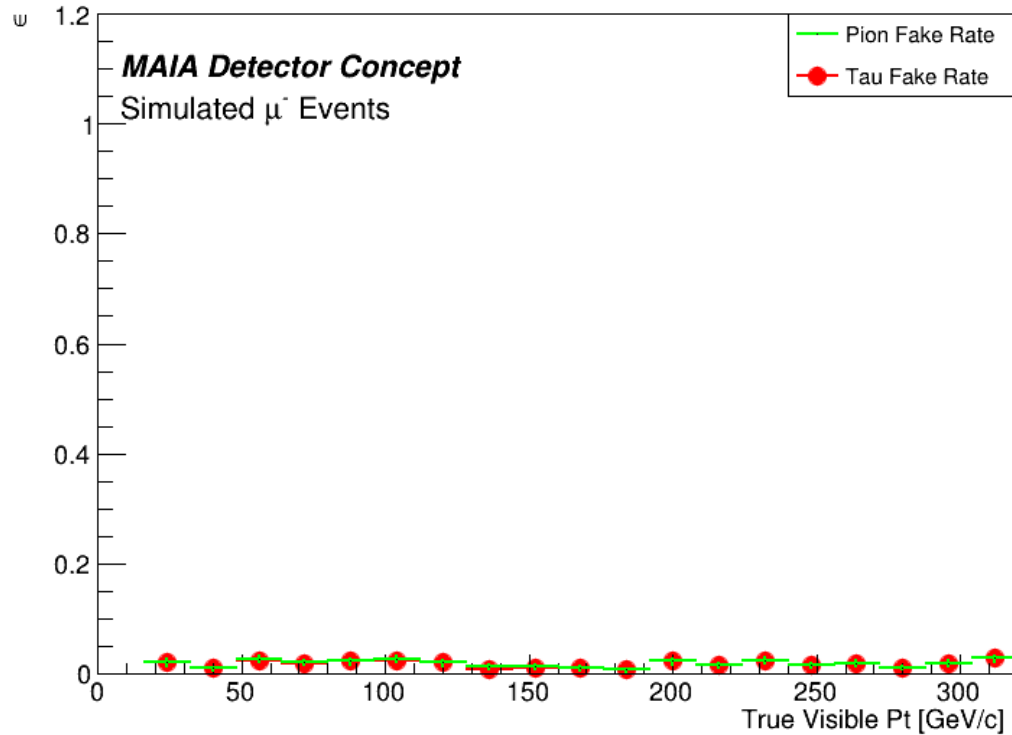
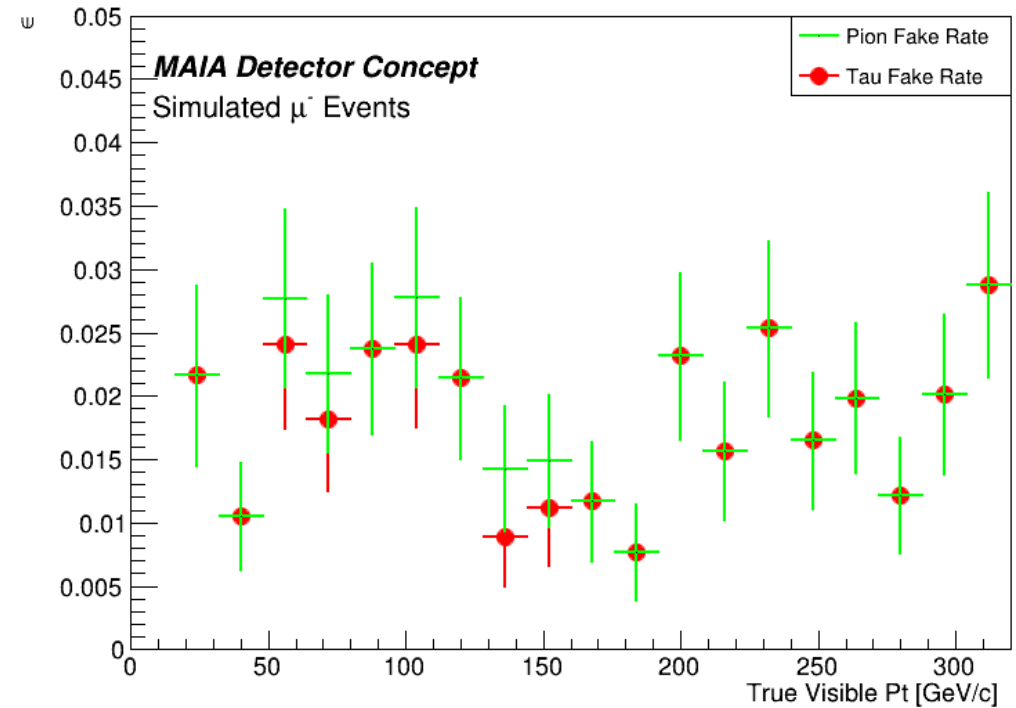


Muons in TauFinder

Fake Rate by Muons vs Pt



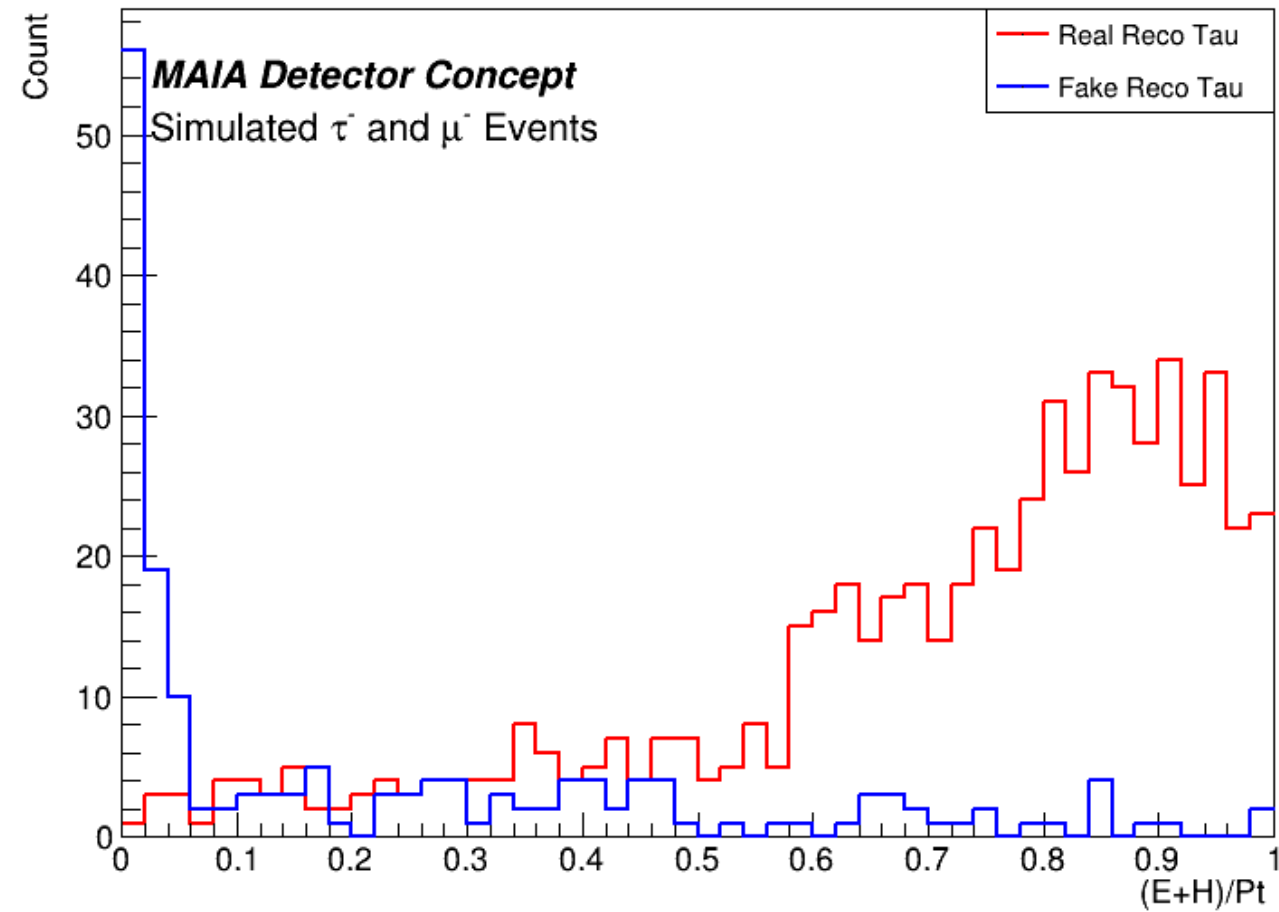
Fake Rate by Muons vs Pt



Only 1.8% of muons faked tau

$$(E+H)/Pt$$

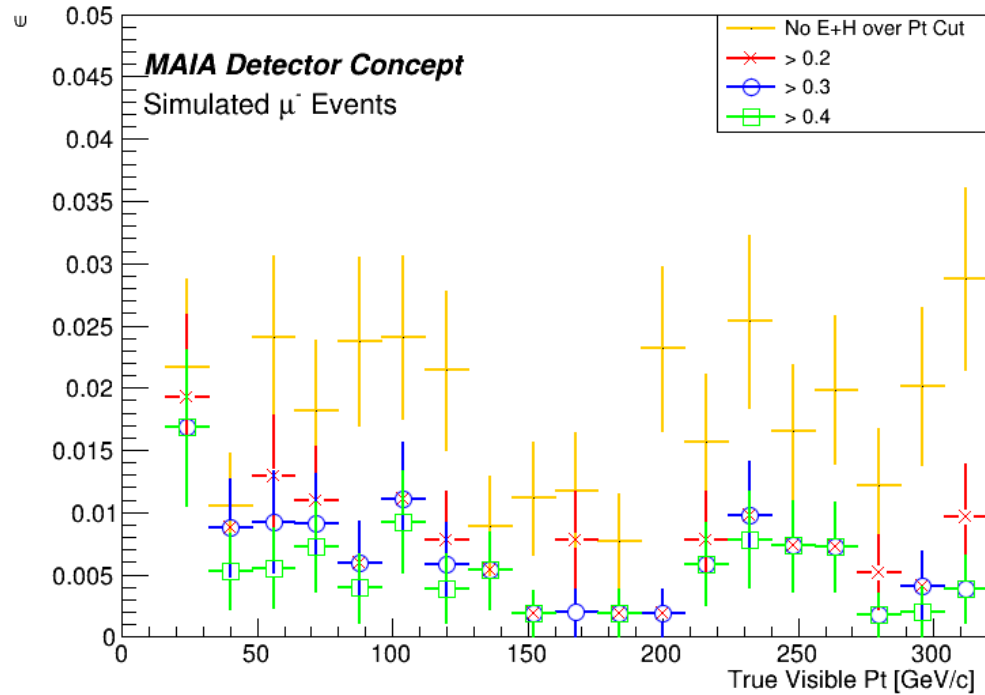
Distribution of $(E+H)/Pt$ of Reconstructed Taus



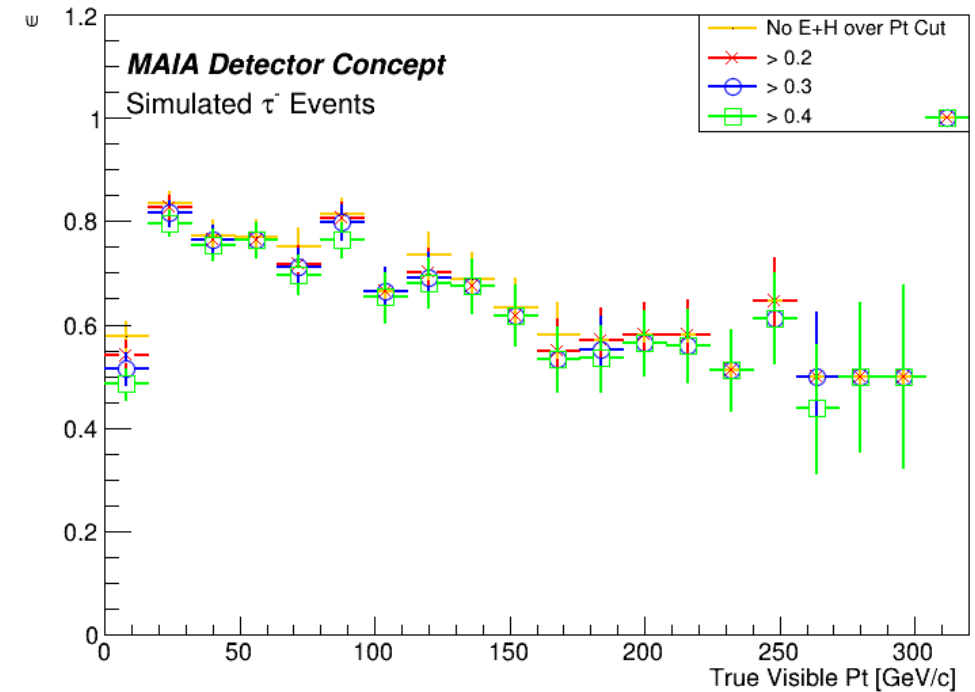
No direct "muon calorimeter" so using lack of ECal and HCal energy as benchmark

Applying the (E+H)/Pt Cut

One-Prong Tau Fake Rate by Muons vs Pt



One-Prong Tau Reconstruction Efficiency vs Pt



Muons are a bit more resilient to this cut than electrons were to theirs.
Working with such small rates though it might be okay. Hurts tau efficiency slightly.