

Fake lepton background estimation

Real lepton efficiency extraction;

- > Based on Zmm/Zee real data;
- > Need still to subtract backgrounds;

Fake lepton efficiency extraction;

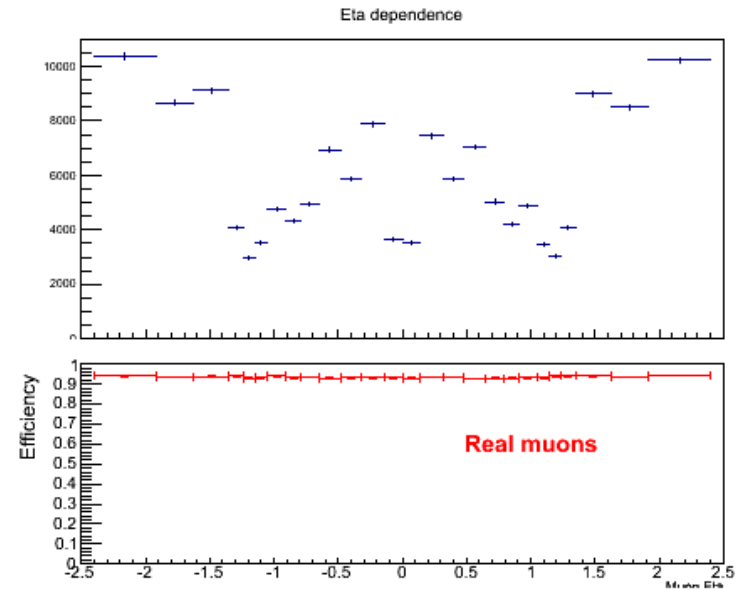
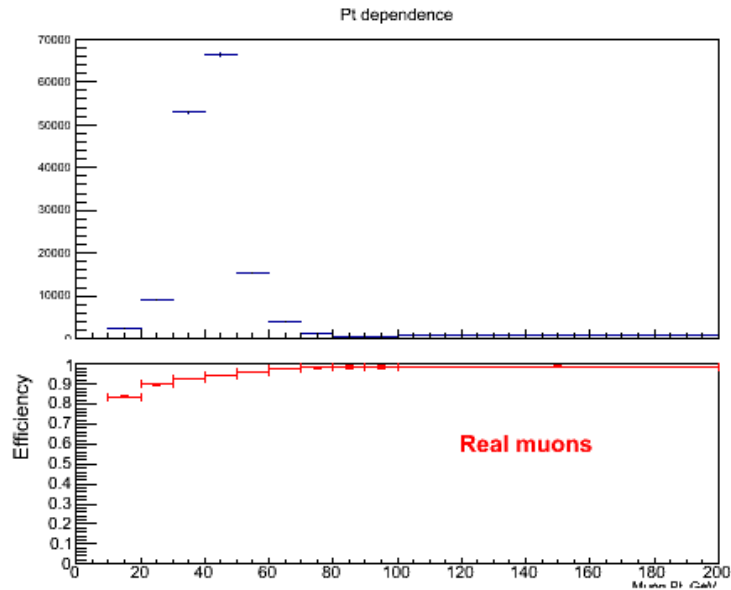
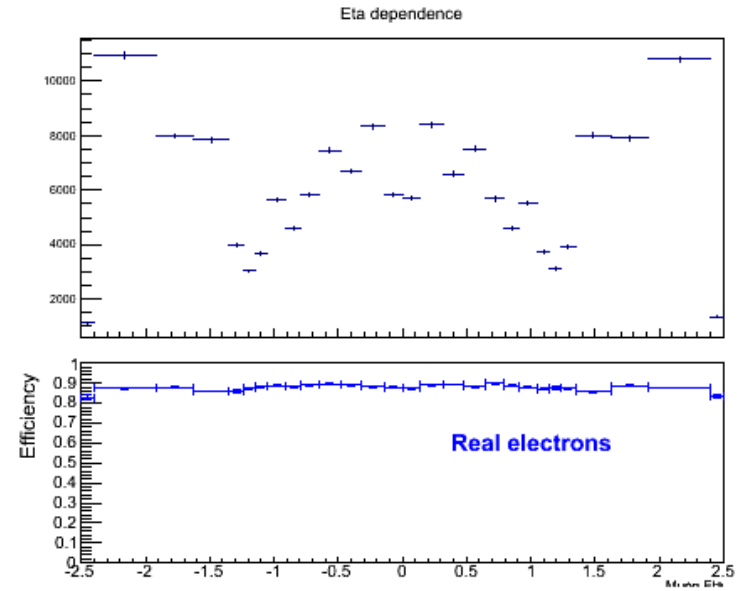
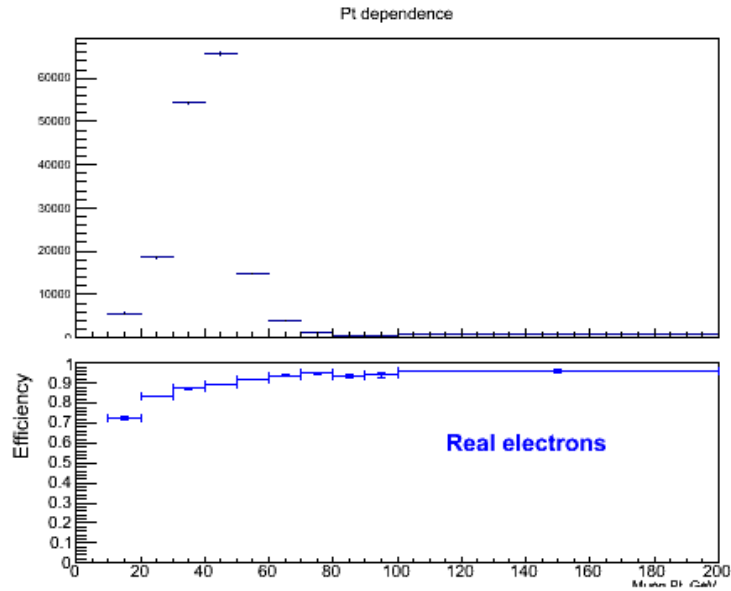
- > Data-MC normalization;
- > Backgrounds (primarily W+jets) subtraction;
- > need to wait for new rel. from Federico-M.Elena- Claudia;
- > Pile-up re-weighting;

Cross check on SS lepton selection;

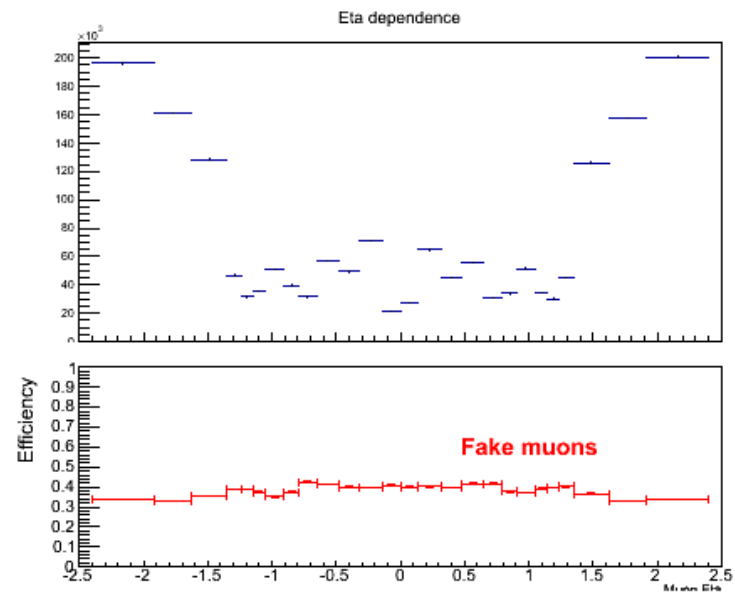
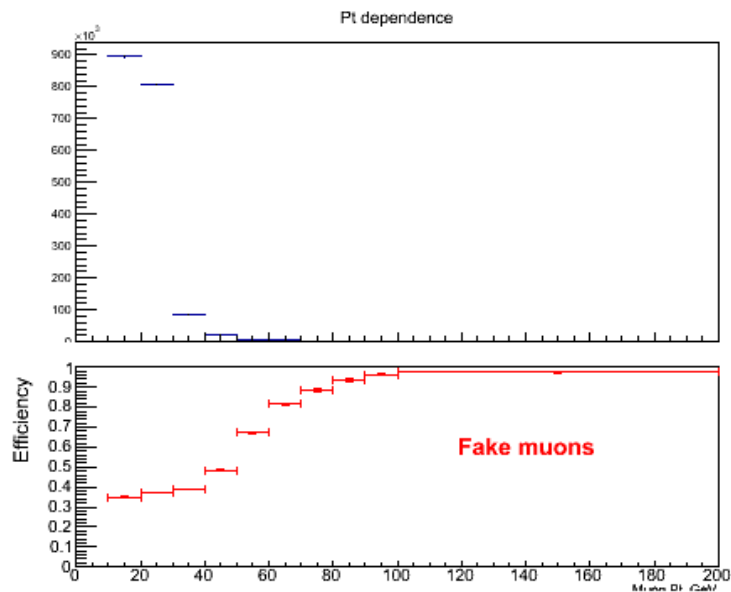
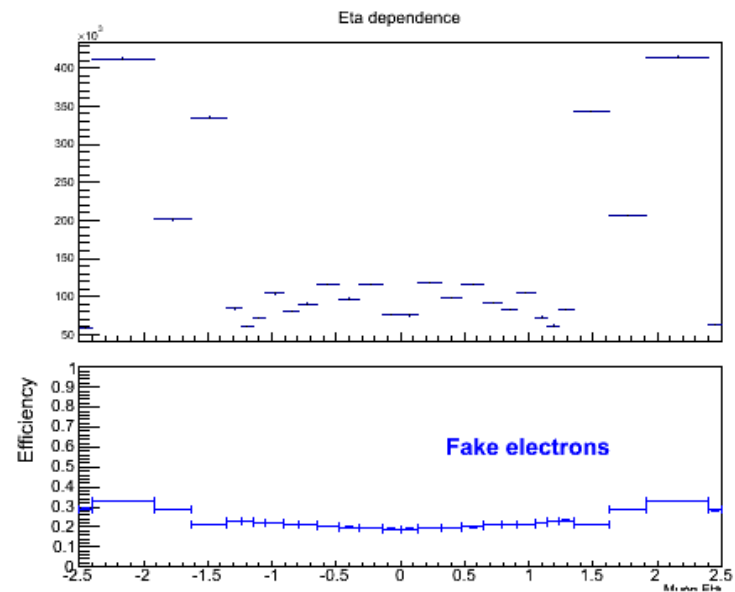
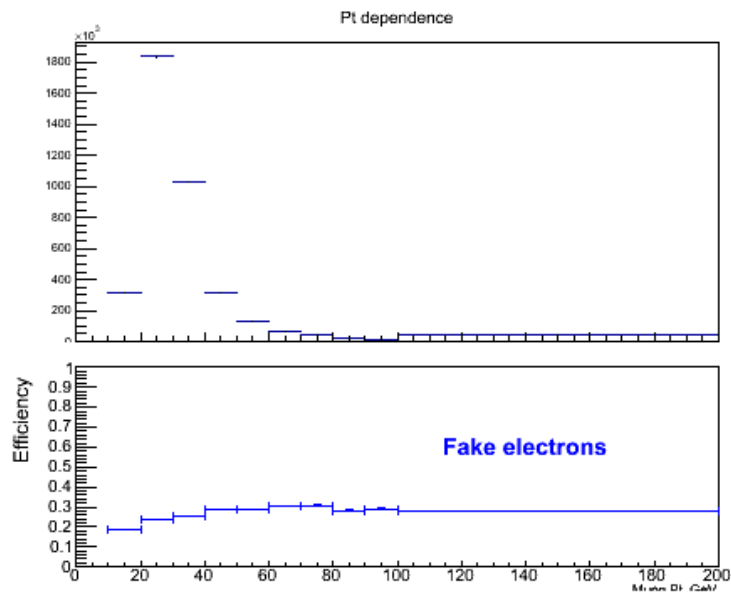
Fake ntuples production;

- > nominal SUSY analysis ntuple structure needed;

Real lepton efficiency



Fake lepton efficiency, with BGRD



Fake lepton efficiency, without BGRD

