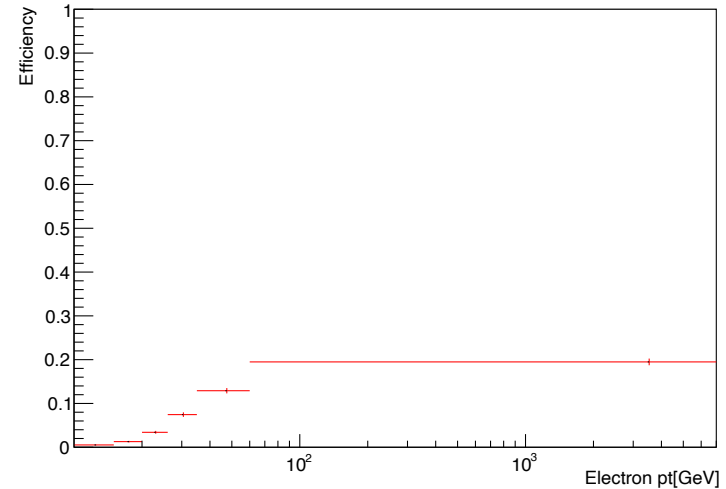
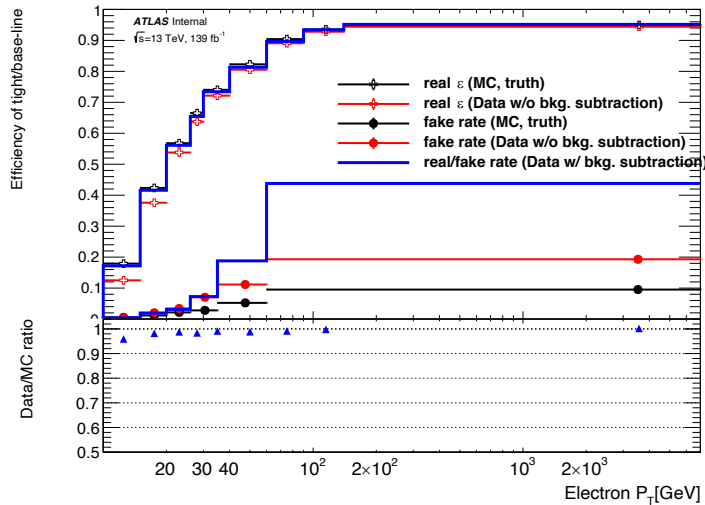


# Weekly Report

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# Fake Efficiency Cross check



- Determine Fake rate in  $2 || 3 \text{ jet}, \geq 1 \text{ bJet}(\text{eff } 77\% \text{ w.p})$  region
- SS for fake efficiencies
- Tag & Probe selections  $\geq 1$  tight leptons
- no kinematic cuts on leptons:  $p_T > 10 \text{ GeV}$ .
- The data samples from two group are not fully same, so I use their datasets.

# Fakes Rate in my CR

- 1 | | 2 jets,  $\geq 1$  bjet
  - Used to measure fake rates
- Only the case without subtraction
  - The subtraction (to remove QMisID and Prompt leptons) need truth information

