

# Weekly Report

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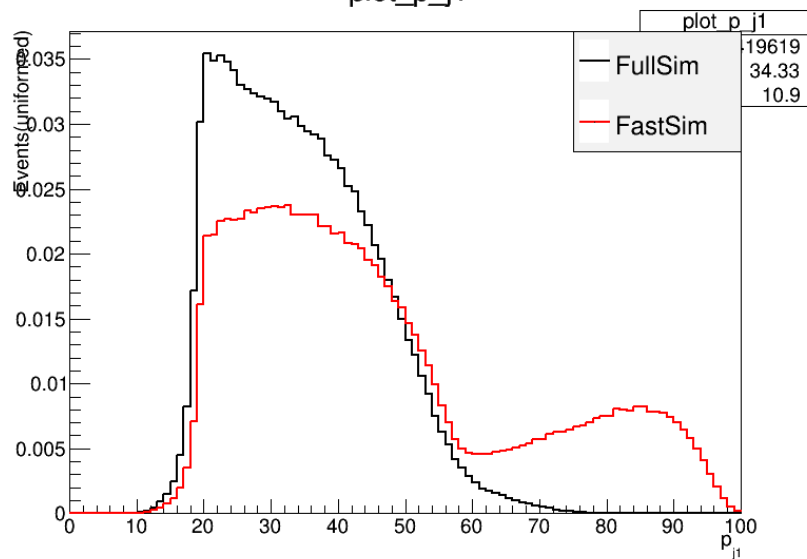
# CEPC WS

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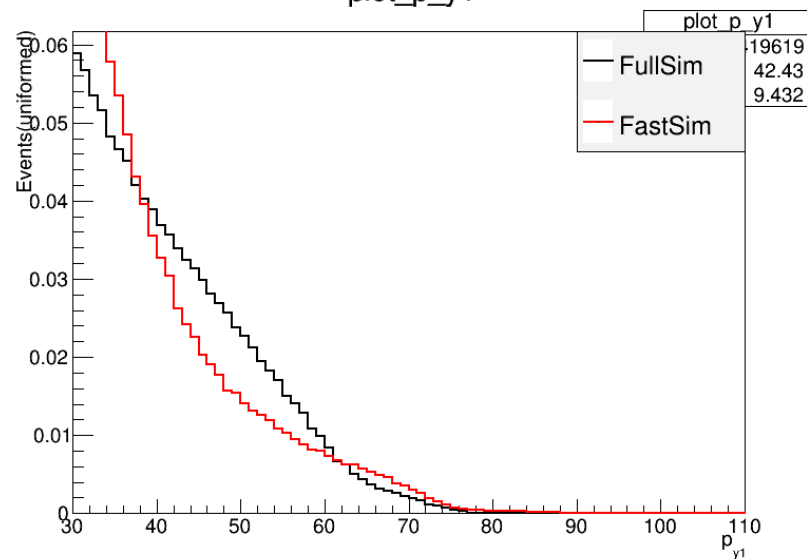
## CEPC $H \rightarrow \gamma\gamma$

- MVA could be finished in time: full simulation signal + fast simulation background(full sim. stat is not enough).
- Problem:
  - Photon reconstruction efficiency  $\sim 85\%$ , muon finder efficiency  $\sim 70\%$ (lepton ID problem). Neutrino channel we don't have time to test background component.
  - $\tau\tau$  channel is difficult to reconstruct. Old TauFinder efficiency is  $\sim 50\%$ , and Dan's TauFinder can not be applied very quick.
  - Check qqyy channel fast & full simulation background distribution, there are some difference.

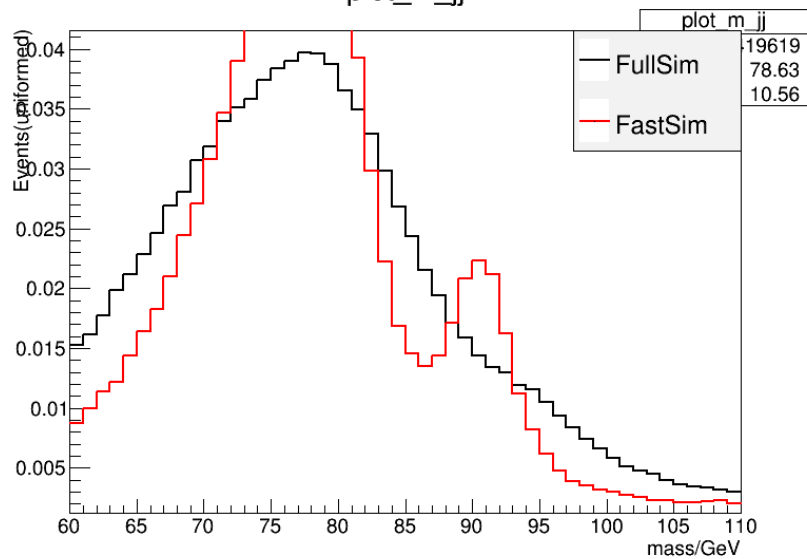
plot\_p\_j1



plot\_p\_y1



plot\_m\_jj



plot\_m\_yy

