

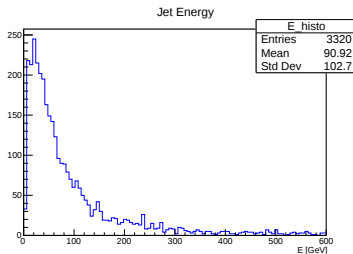
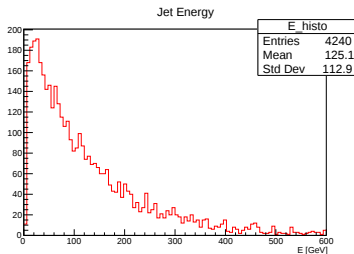
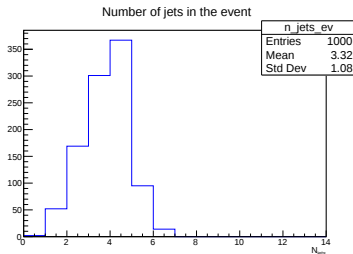
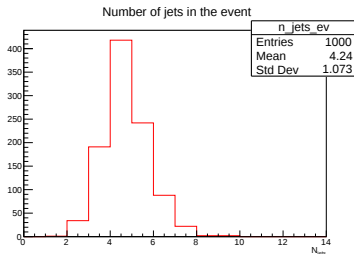
Muon Collider Full Simulation Studies

Shivani Lomte

Feb 11, 2022

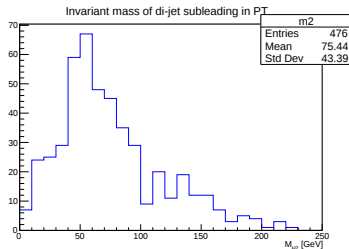
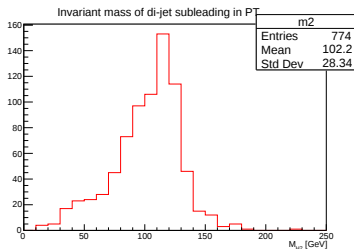
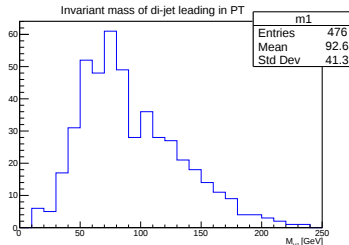
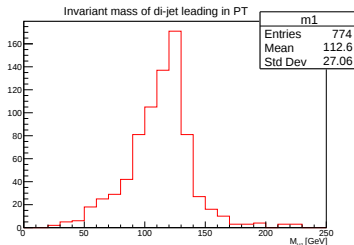
Jet reconstruction for HH(bbbb) with no BIB

Ntuples **provided by INFN** and **generated by me**.



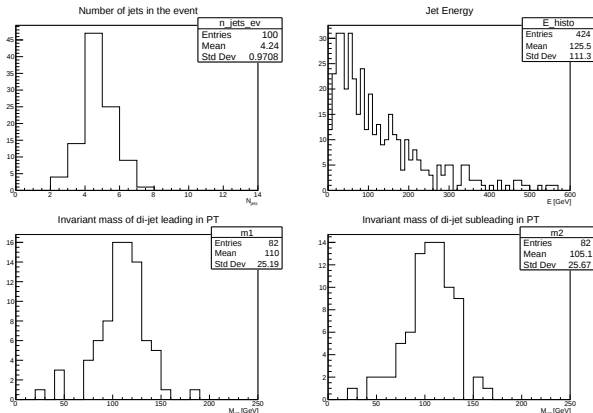
Jet reconstruction for HH(bbbb) with no BIB

Ntuples **provided by INFN** and **generated by me**.



Jet reconstruction for HH(bbbb) with no BIB

Previous plots were for Calo hit $E_{th}=5\text{MeV}$ (ECal and HCal).
Default cuts are $E_{th}=50\text{keV}$ (ECal) and $E_{th}=250\text{keV}$ (HCal).



-Some improvement, but need to check exact configuration used.

Next steps

- Ensure correct configuration for jet reconstruction.
- Producing generator level jets using MCParticle collections gives FastJet error, looking into this.