CEPC Jet&Clusters

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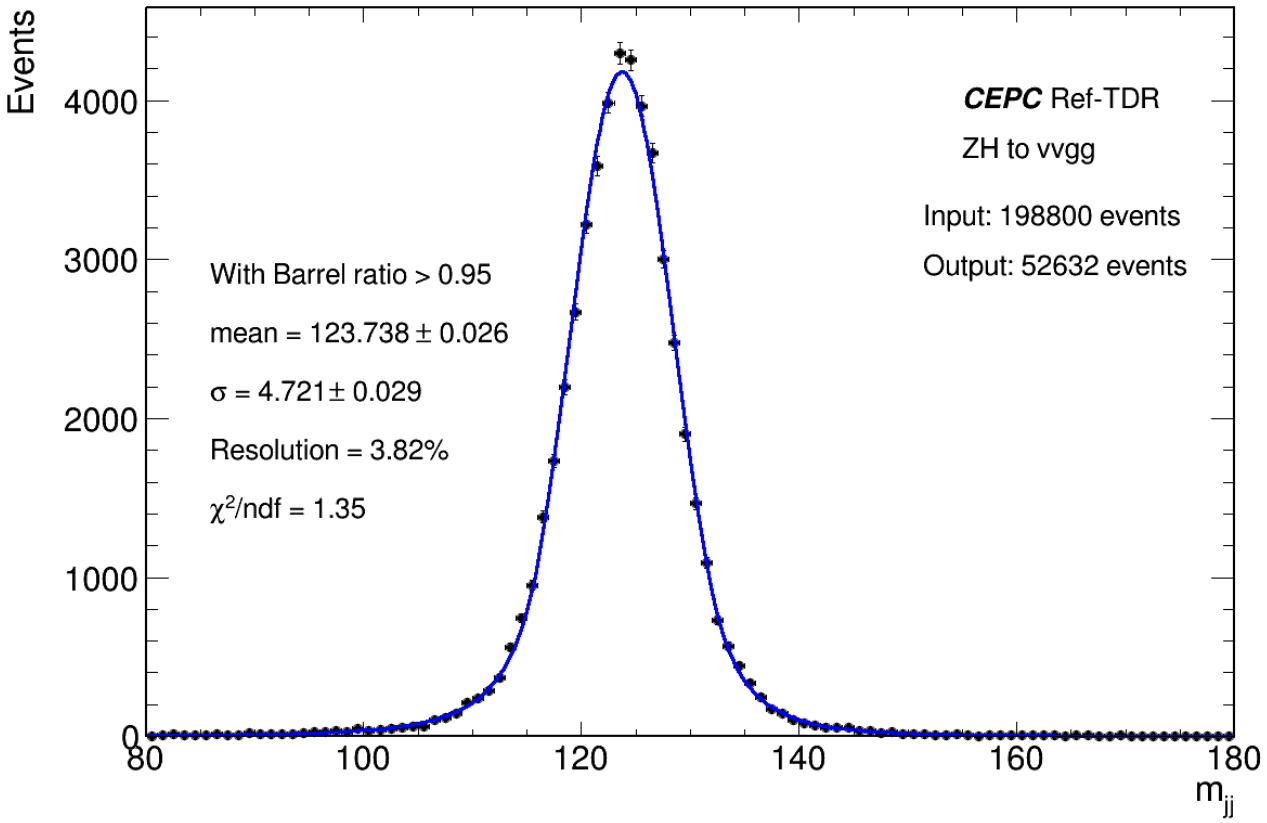
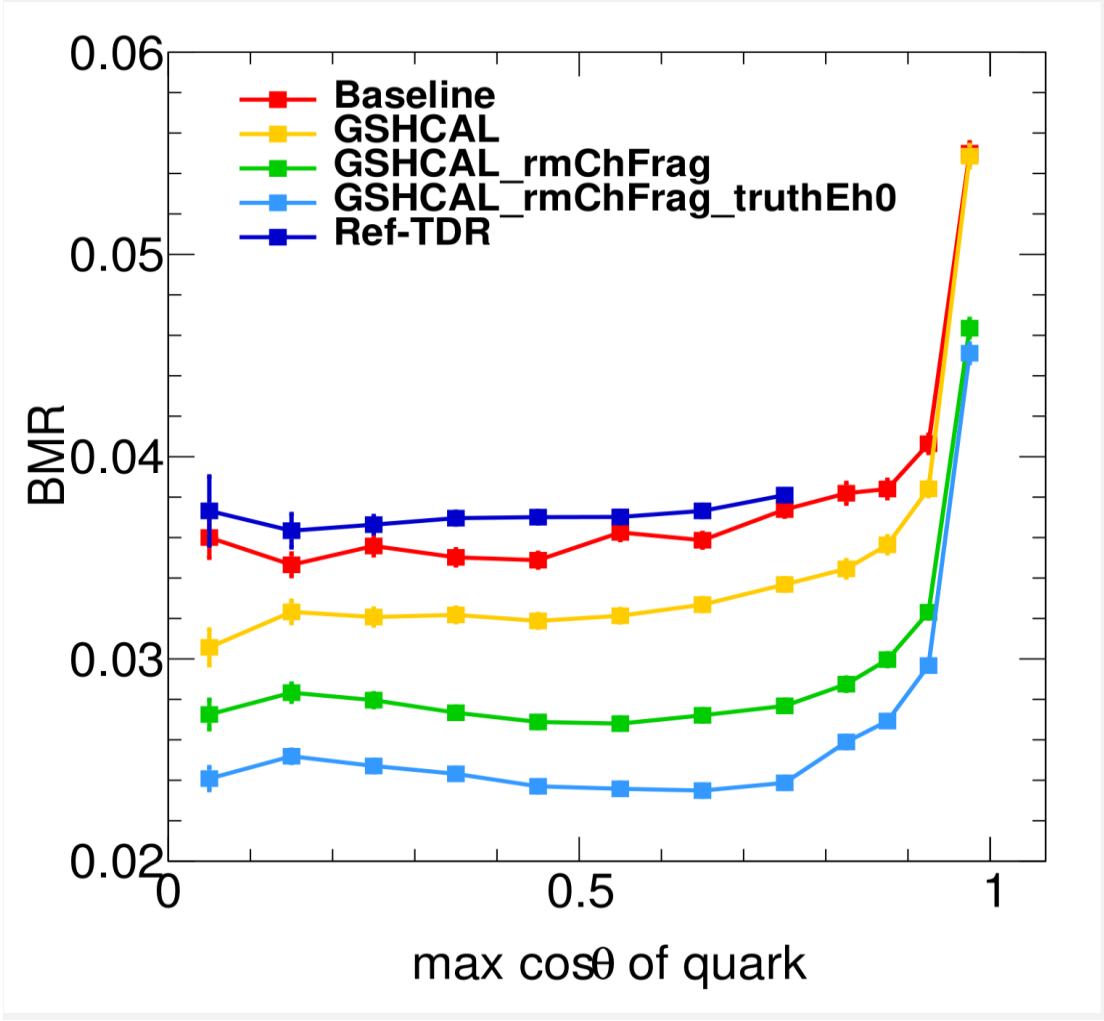
new Release

- Hcal but fixed
  - Please use fix 48bcef3d instead of 24.12.0.
- Sample under generation
  - Need 6GB memory, speed slower.
  - H->qq and Z->qq sample available under /cefs/higgs/zhangkl/Production/job

BMR: barrel ratio

Use selection “barrel ratio>0.95”, require $E_{mc,|\cos\theta|<0.85}/E_{mc} > 0.95$
This cut is more efficient than $|\cos\theta_{truth}| < 0.7$. (eff 50% to ~25%).
BMR 3.8% can be achieved, consistent with Fangyi.





Jet performance

Significantly improved compared to 24.10.
JES slightly smaller than 0 due to neutrinos.
JER ~4.8%.
Need careful check for fit plot.