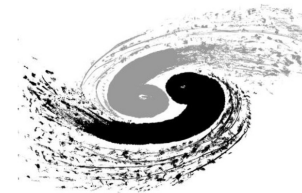
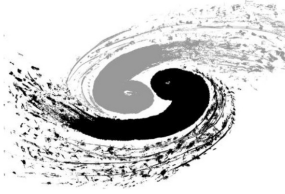


CEPC Update

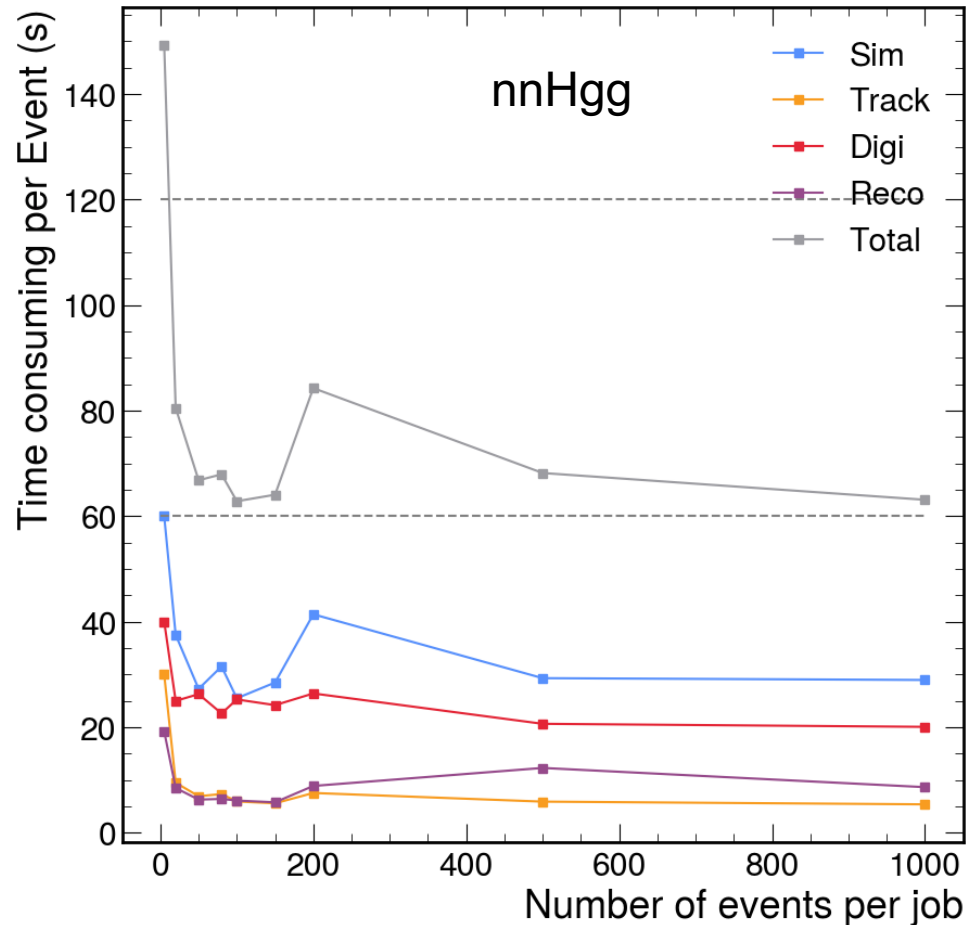
Zebing Wang



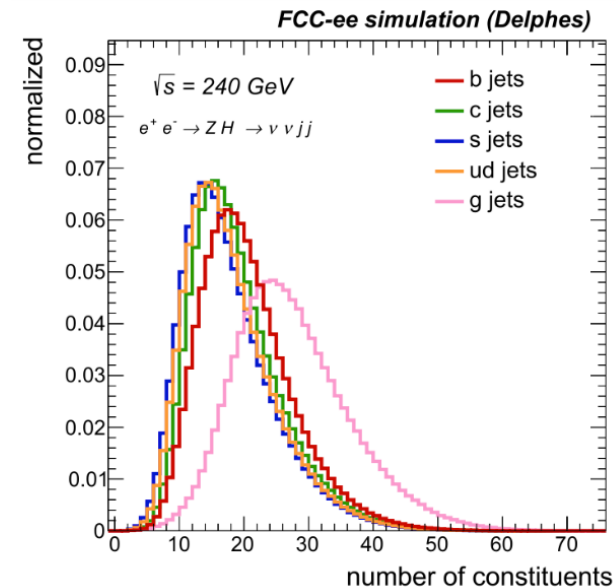
Full Sim Time Consuming



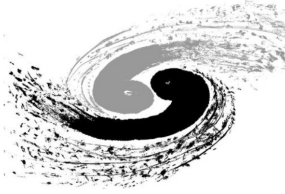
CEPCSW: TDR24.9.1



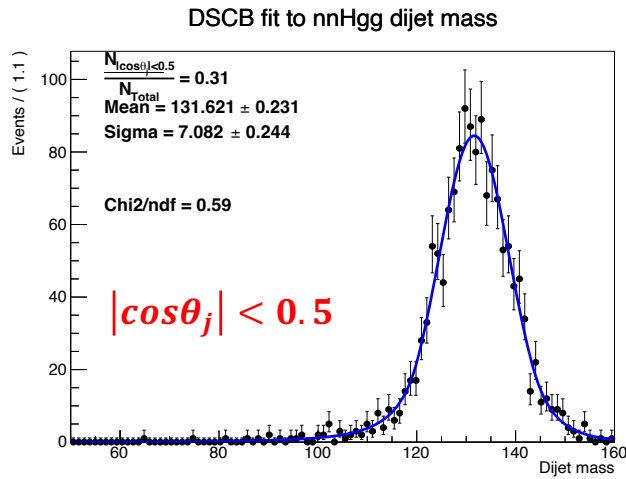
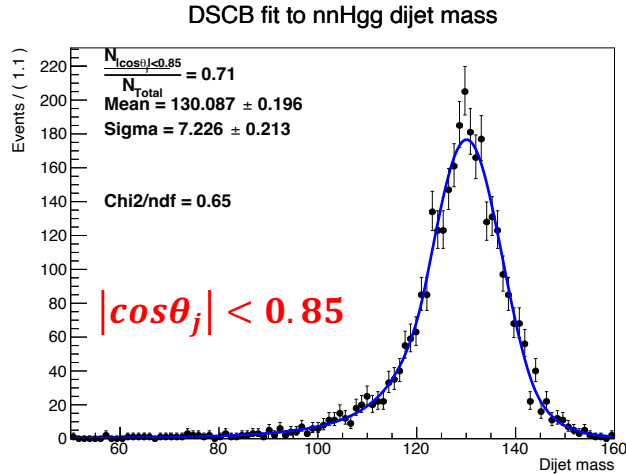
- **100 events** per job has the smallest time consuming per event **~1 mins per Event**
 - Memory request: 4000 megabytes
 - Similar speed for the rest of channels
- **1.4 M events** (from [Kaili's slides](#))
 - 1000cpu ~1400 mins ~**1day**



nnHgg Reconstruction

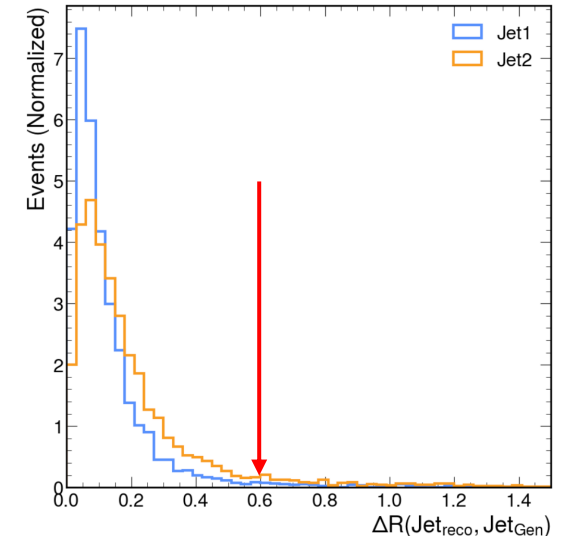


CEPCSW: TDR24.9.1

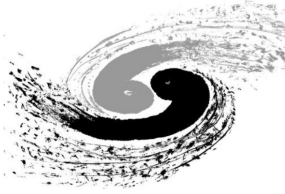


- ee_kt algorithm for the jet reconstruction
 - Reconstruction level PFO (Reco)
 - Generator level particles (Gen)
- Selection
 - **Two jets $|\cos\theta| < 0.85$**
- Resolution: $\sim 5.5\%$
- Gen match looks good

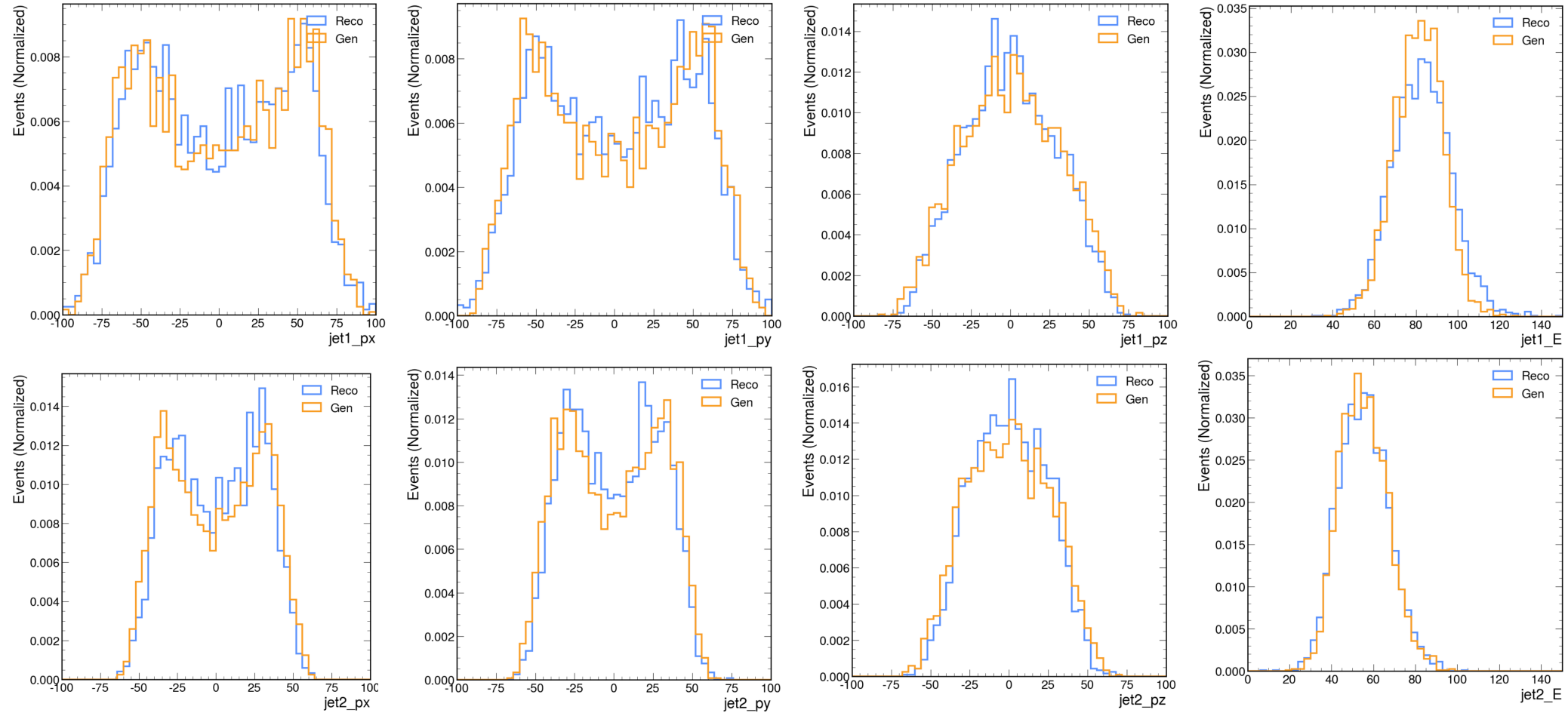
Selection Eff	Efficiency
$ \cos\theta_j < 0.85$	0.71
$\Delta R < 0.6$	0.65

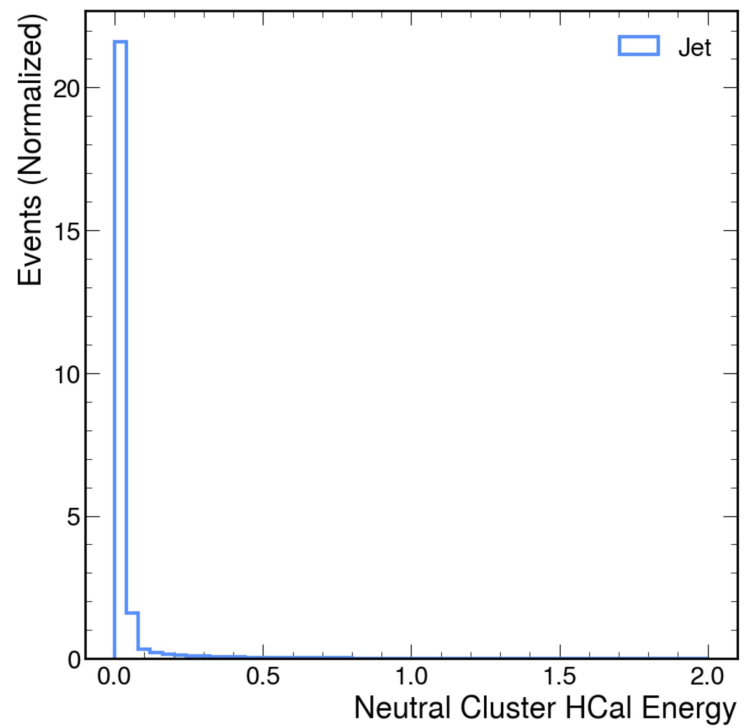
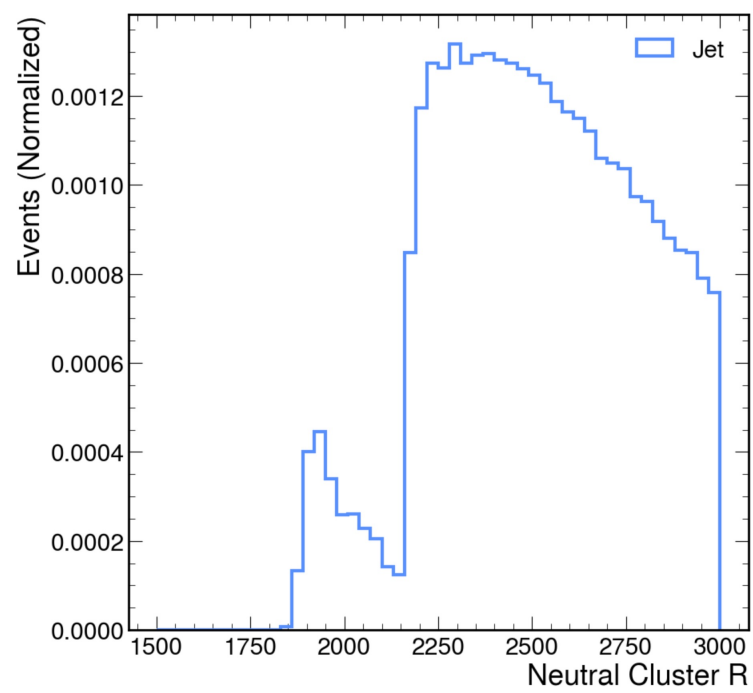
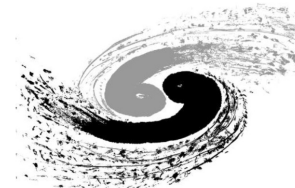


Matched Jets Distribution



- **No pxpypz sign flip** for the negative charged PFO
- Worse reco distributions once apply the pxpypz sign flip for the negative charged PFO





谢谢

