

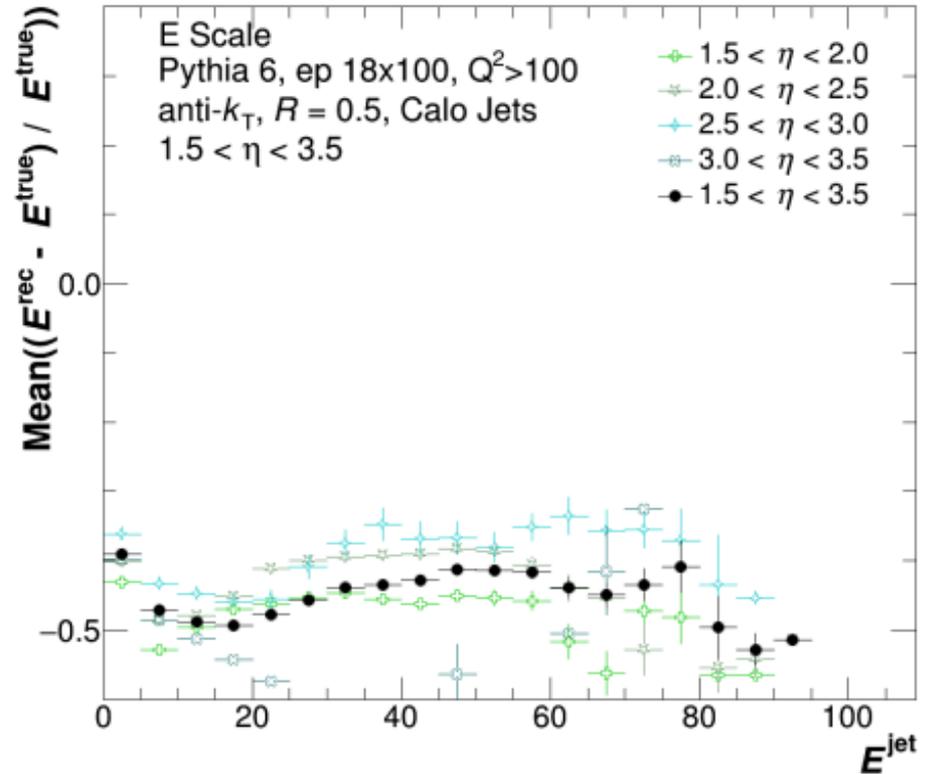
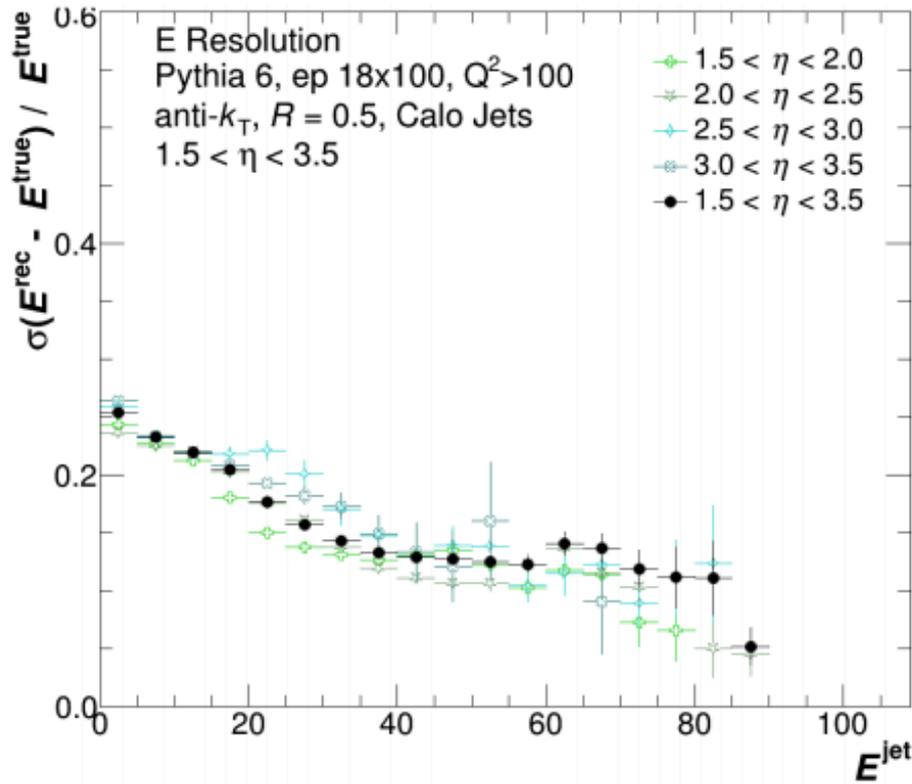


# Update from HF and Jets Working Group

Cheuk-Ping Wong and Wangmei Zha

07-19-2021

# First Results of Jet Energy Resolution and Scale

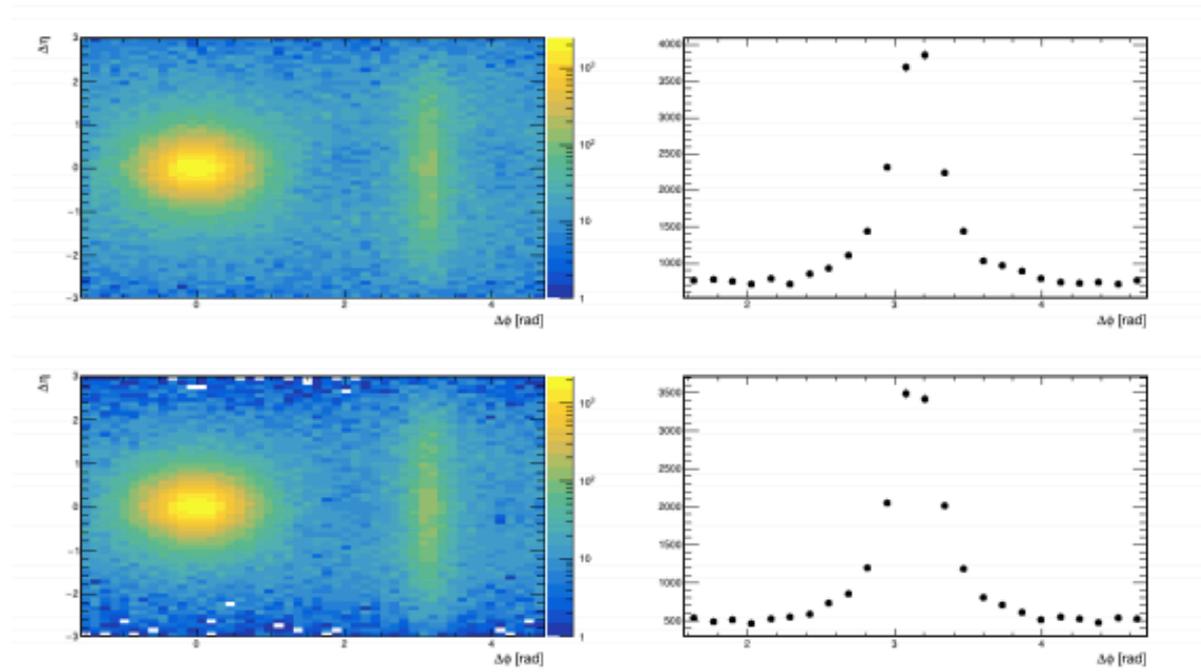


Tristan Protzman, Lehigh University



# Initial Study of Two-Particle Correlation in Full Simulation

## Two-Track Azimuthal Correlations

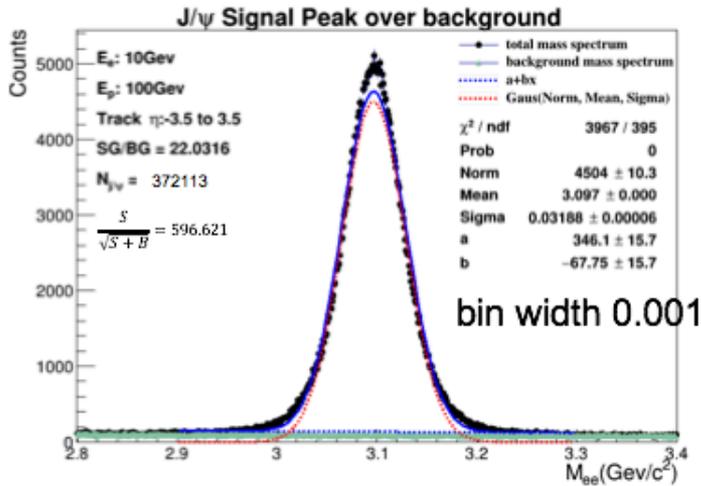
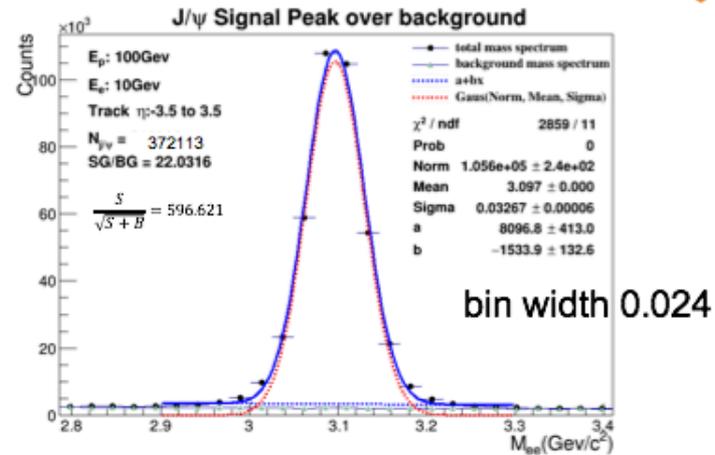
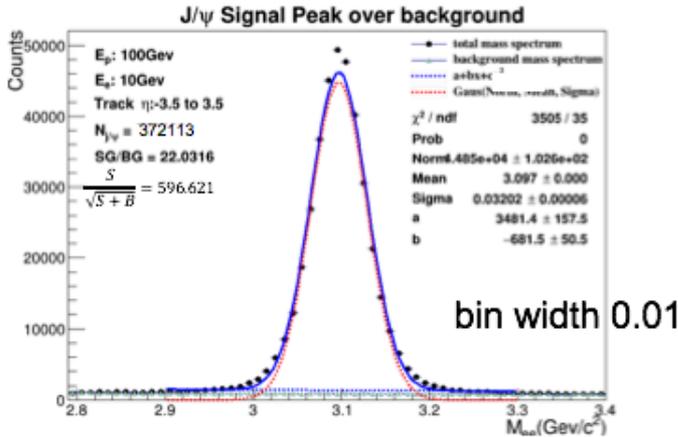


- ▶ All pairs with  $p_T > 1$  GeV and  $\eta > 0$ .
- ▶ Top: inner tracking, Bottom: Outer tracking



# J/psi Reconstruction from First Simulation with Smearing

## 10 million events J/psi peak(event filter)



10million events  
 reaction selection  
 Matrix2B1.5T  
 Luminosity:  $13.189 \text{ fb}^{-1}$   
 gaussian function may not fit the data well.

