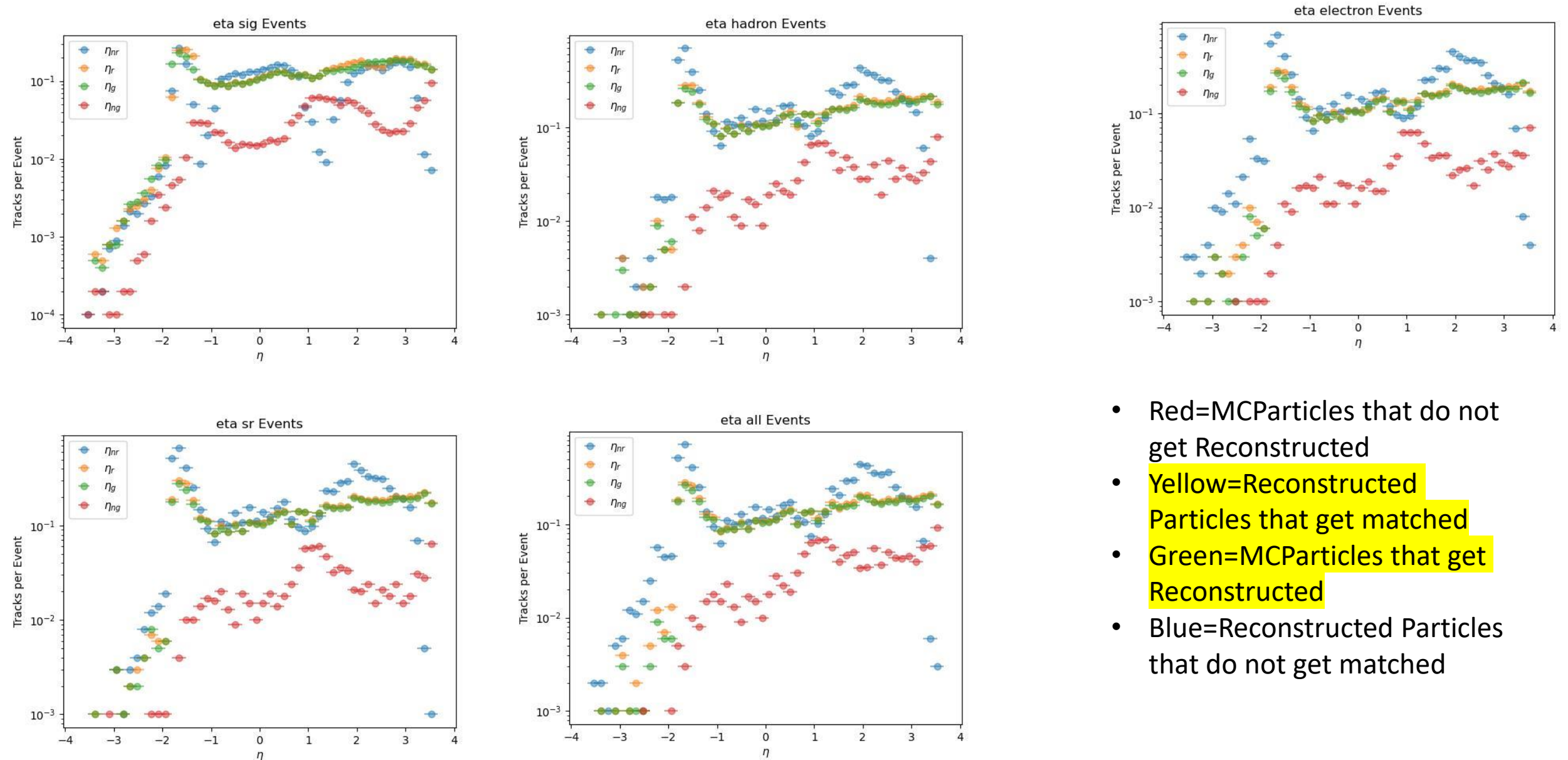


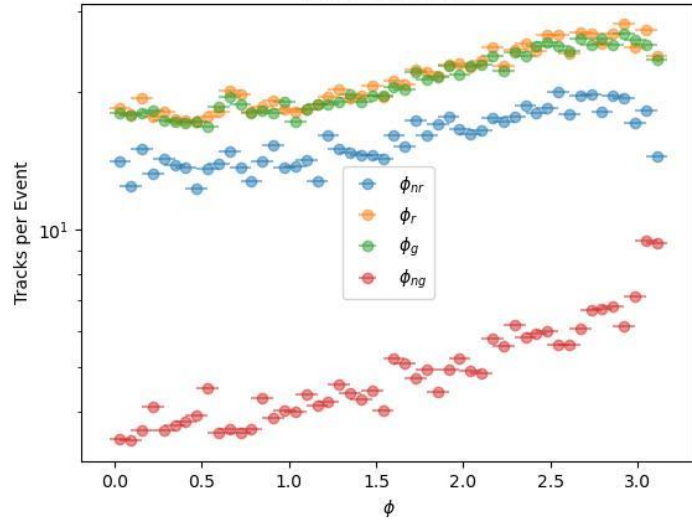
Update 20231010: Increased  
Statistics And Fixed Eta  
Distributions in Reconstruction  
\*reduced chi2 and low pt cut

# Reconstructed Eta Distributions Realistic Seeding

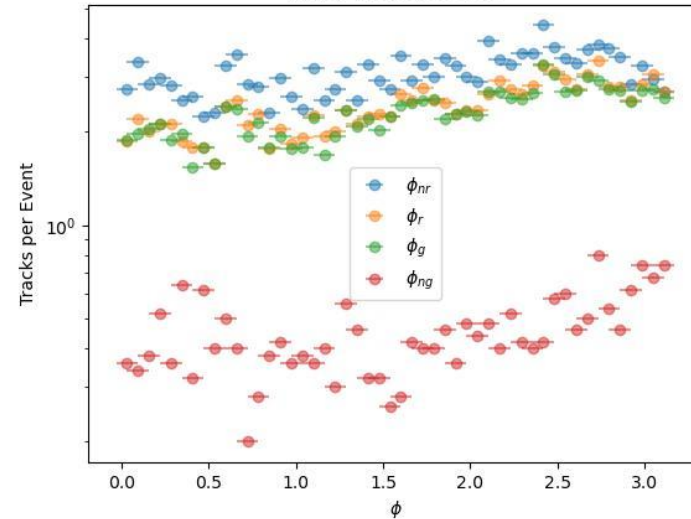


# Reconstructed Phi Distributions Realistic Seeding

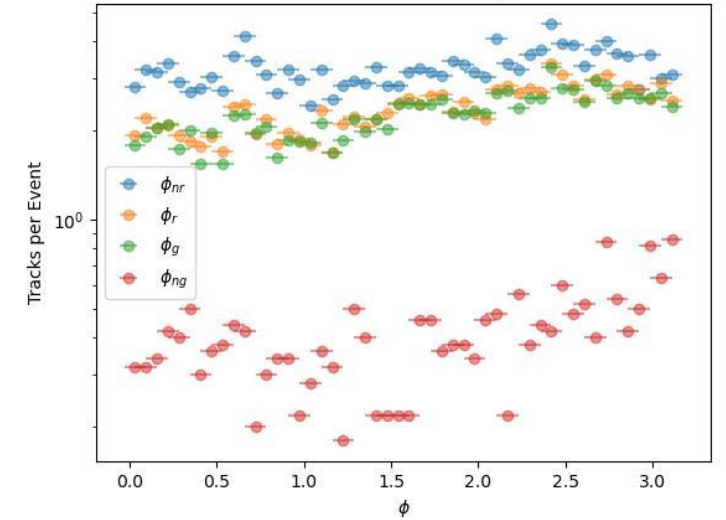
phi of sig Events



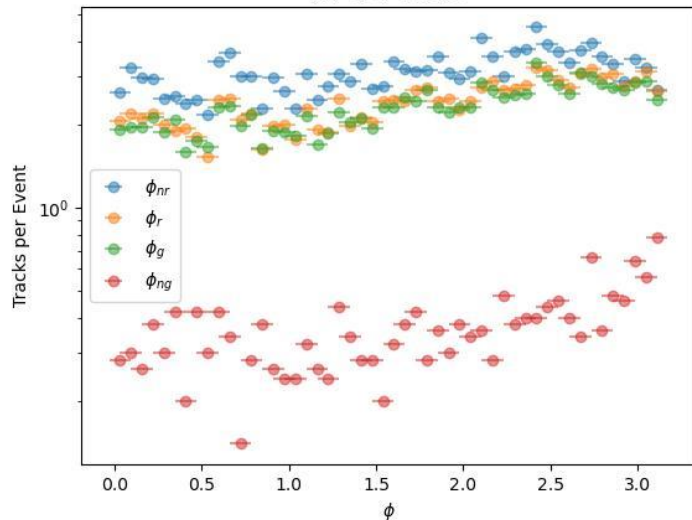
phi of hadron Events



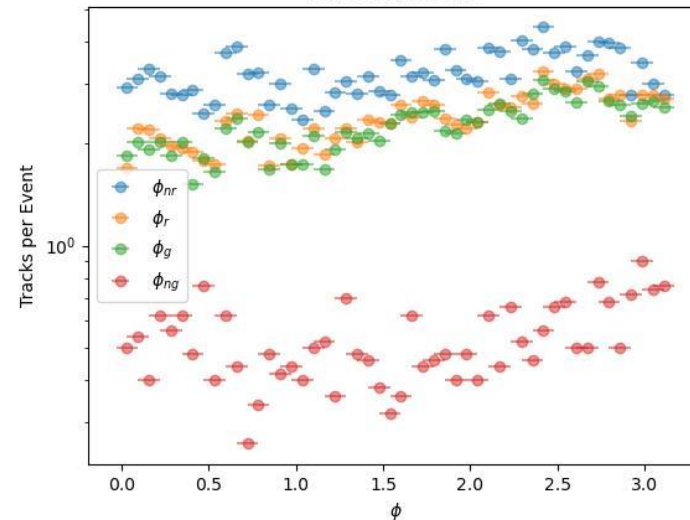
phi of electron Events



phi of sr Events



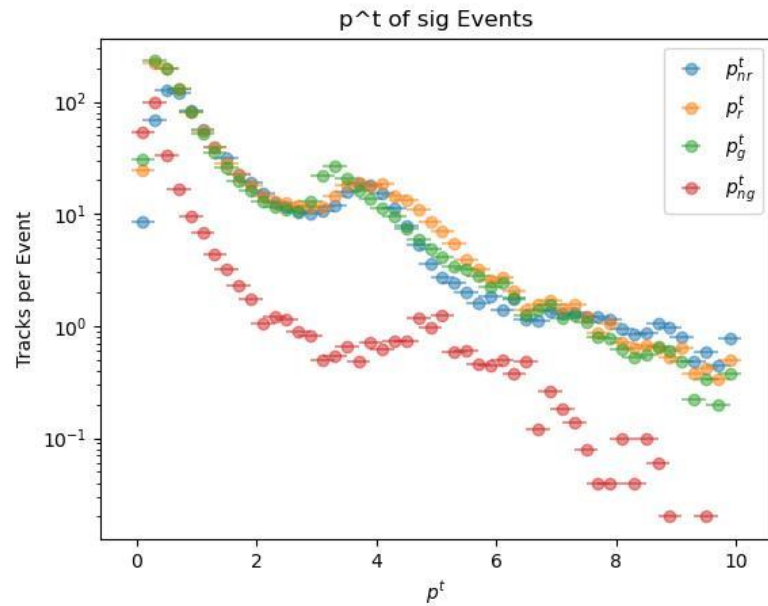
phi of all Events



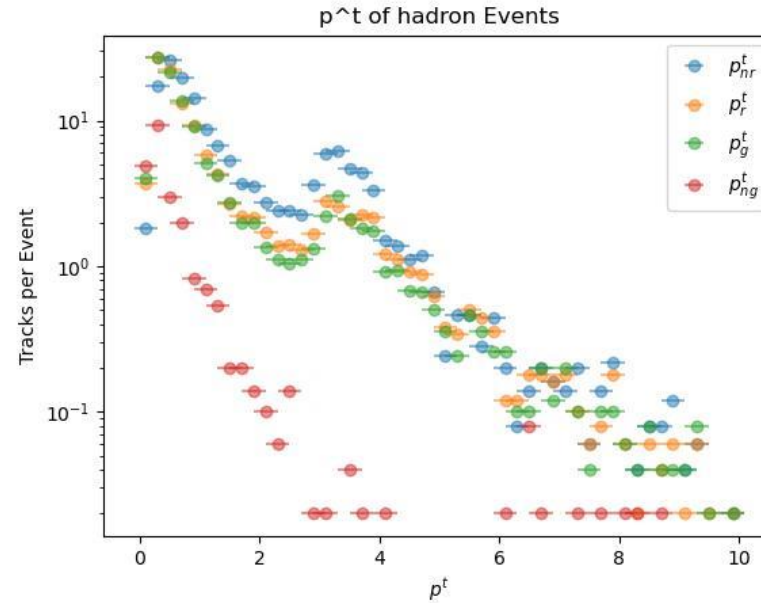
- Red=MCParticles that do not get Reconstructed
- Yellow=Reconstructed Particles that get matched
- Green=MCParticles that get Reconstructed
- Blue=Reconstructed Particles that do not get matched

# Reconstructed Pt Distributions Realistic Seeding

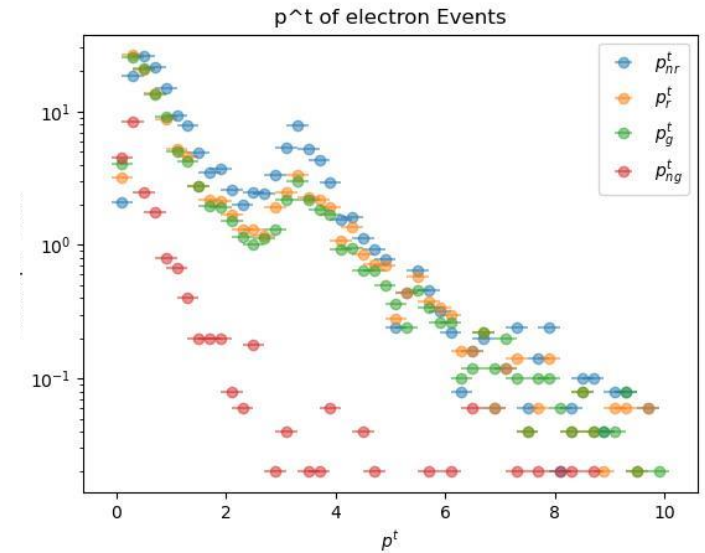
Signal Merged Events



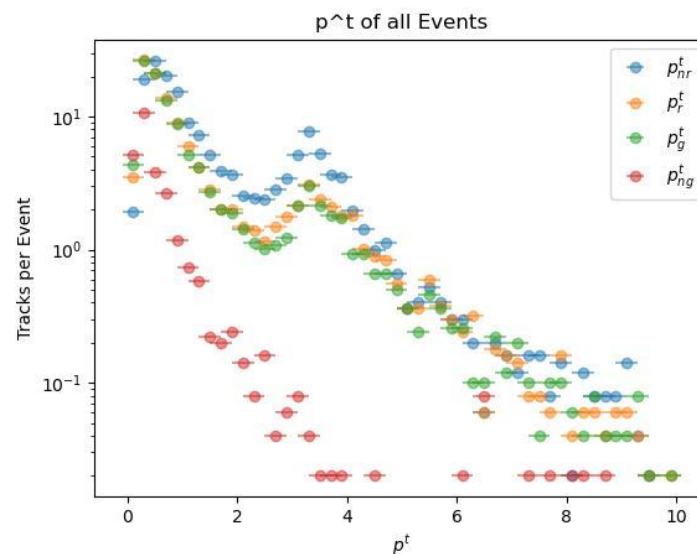
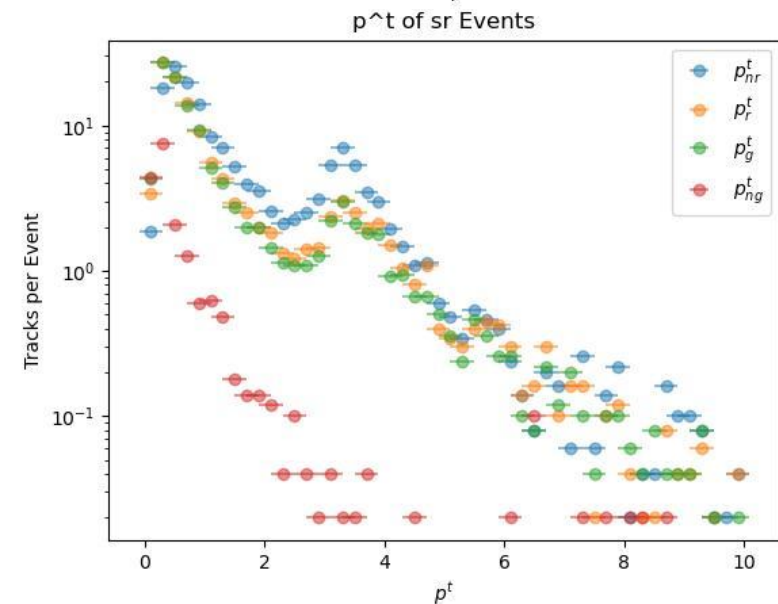
Hadron Gas Merged Events



Electron Gas Events

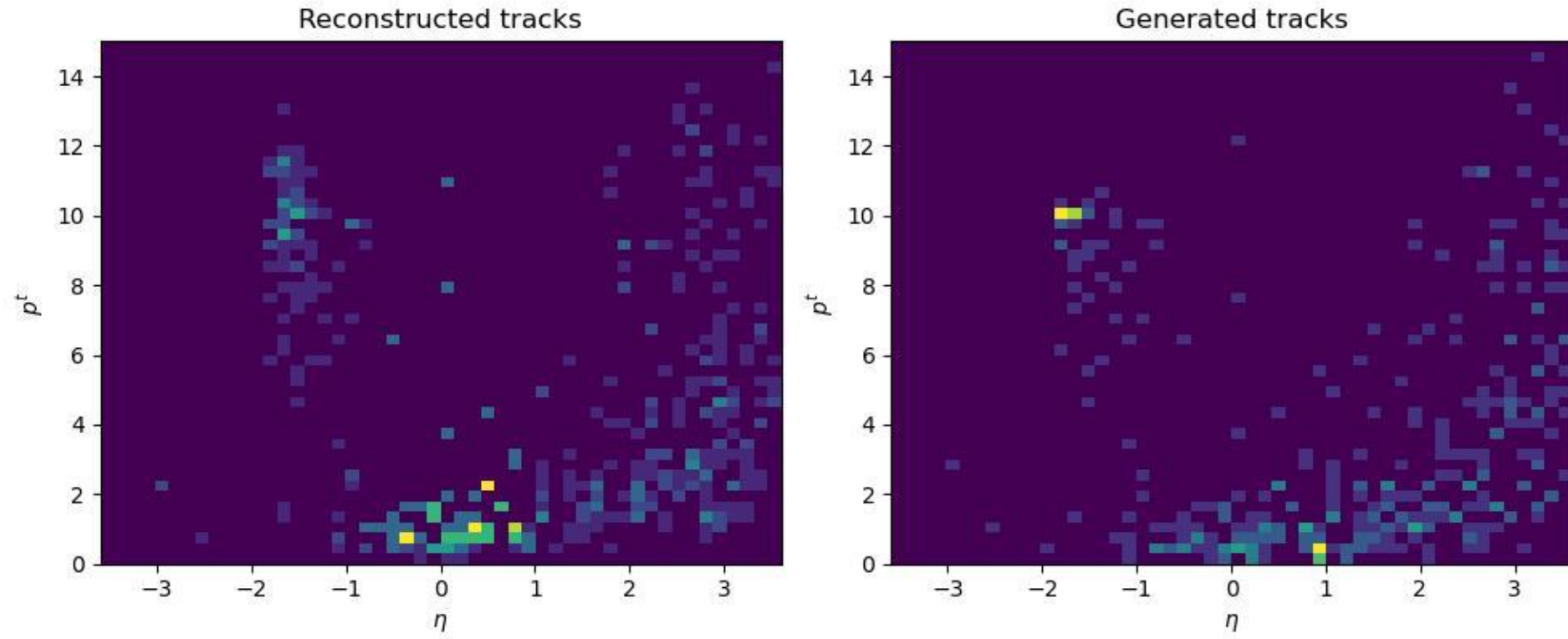


- Red=MCParticles that do not get Reconstructed
- Yellow=Reconstructed Particles that get matched
- Green=MCParticles that get Reconstructed
- Blue=Reconstructed Particles that do not get matched



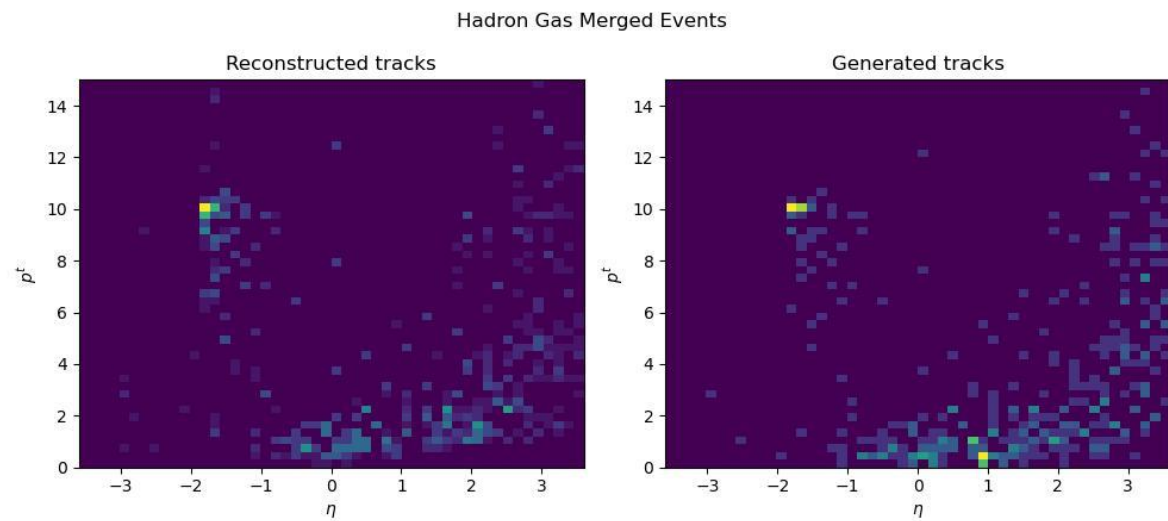
## Signal Merged Events

Hadron Gas Merged Events

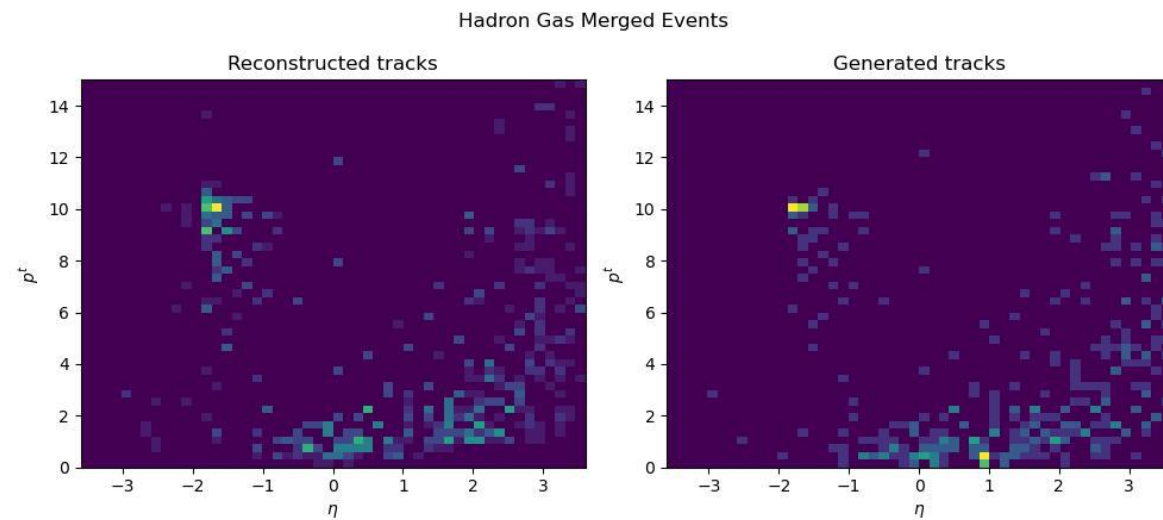




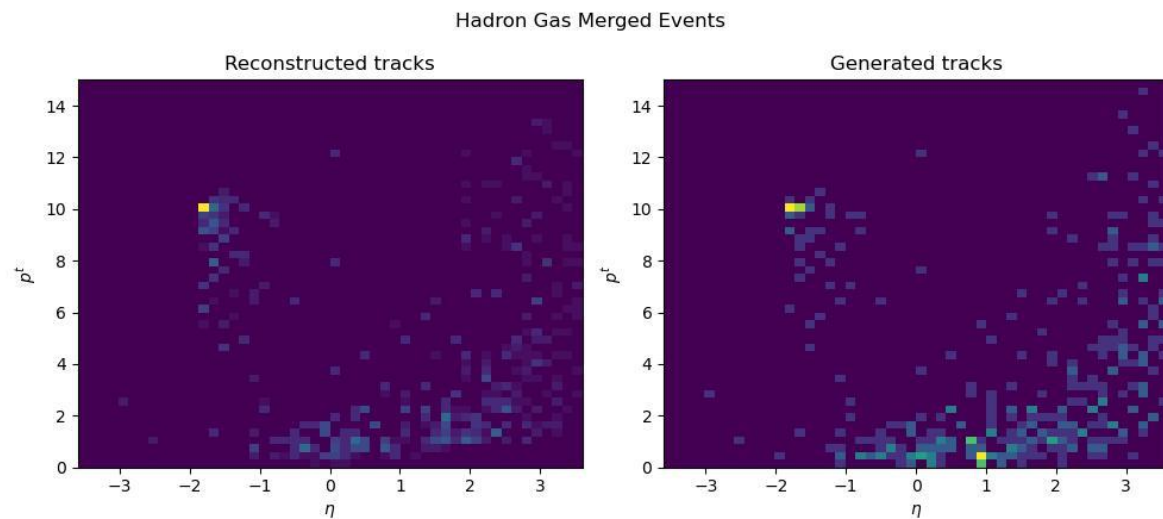
## All Merged Events



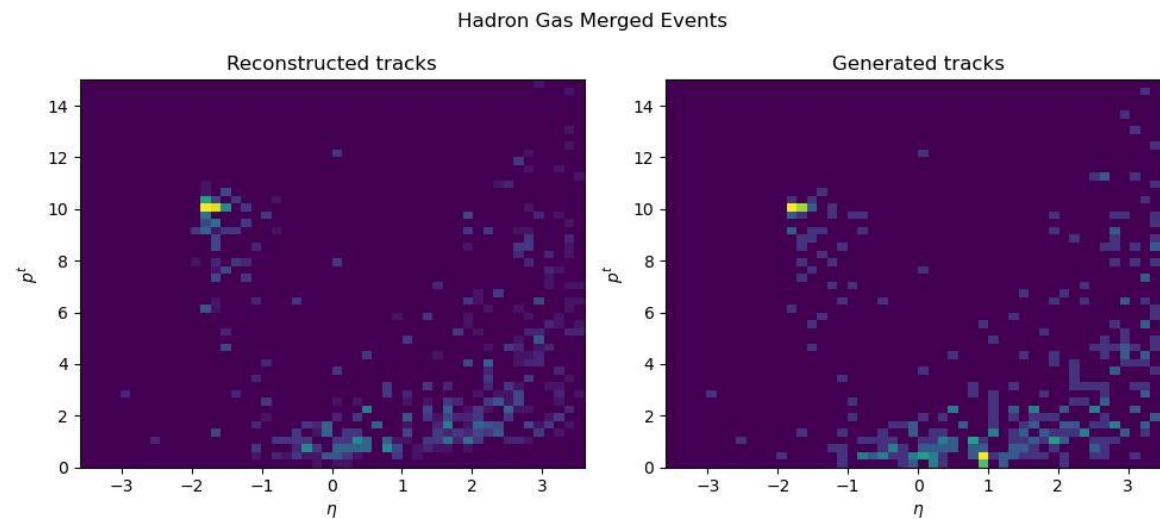
## Electron Gas Merged Events



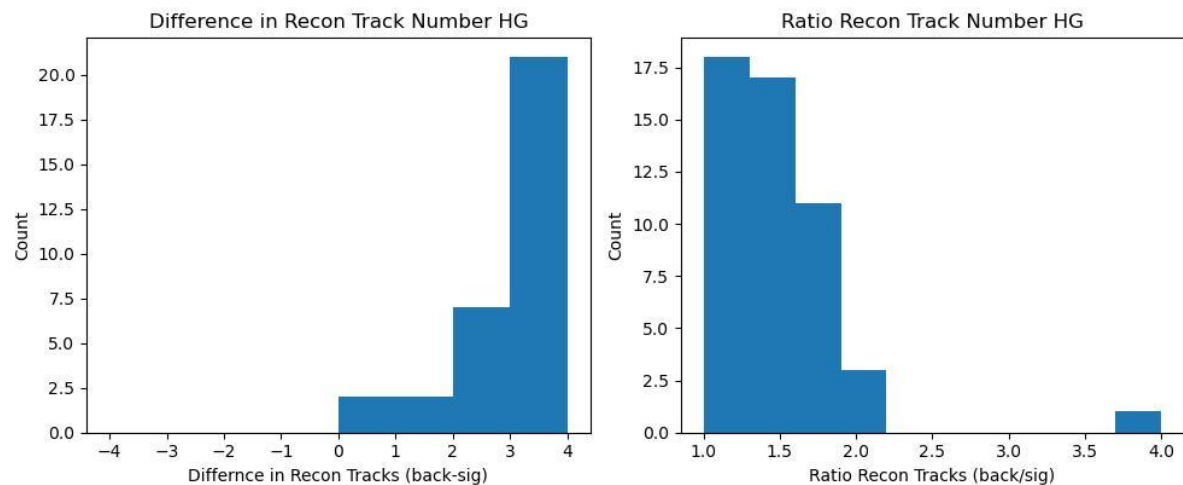
## Hadron Gas Merged Events



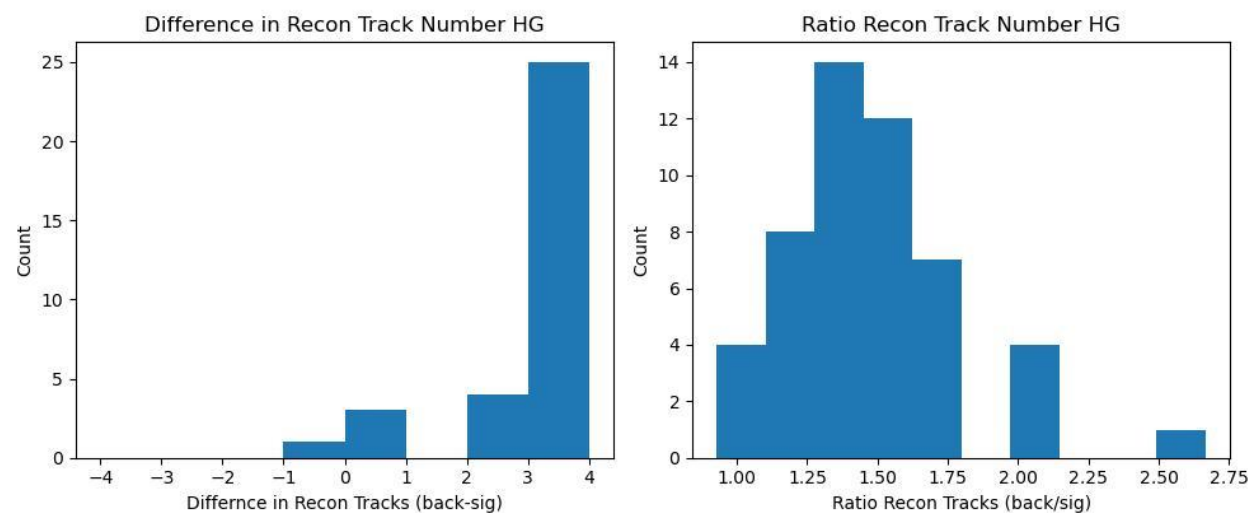
## SR Merged Events



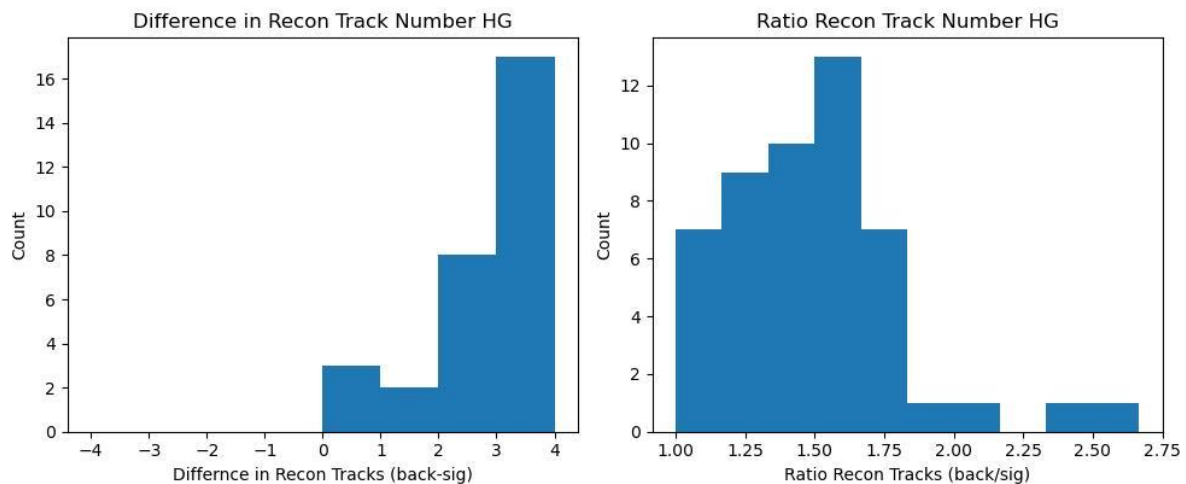
## All Merged Events



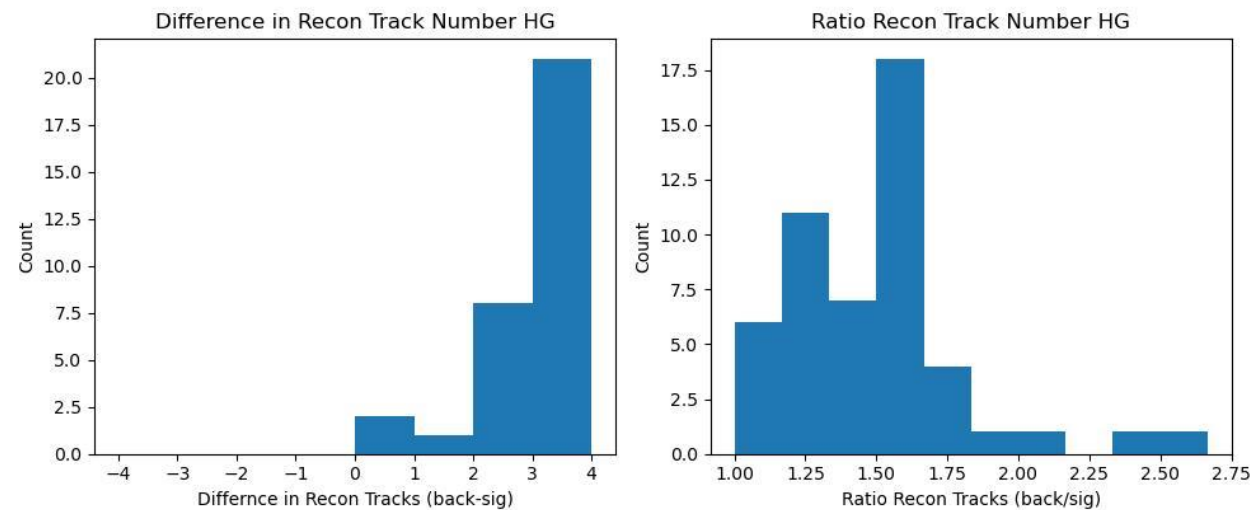
## Electron Gas Merged Events



## Hadron Gas Merged Events

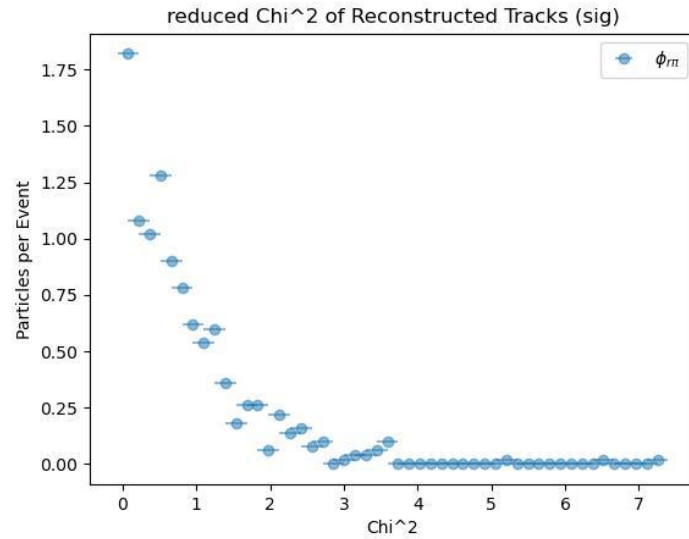


## SR Merged Events

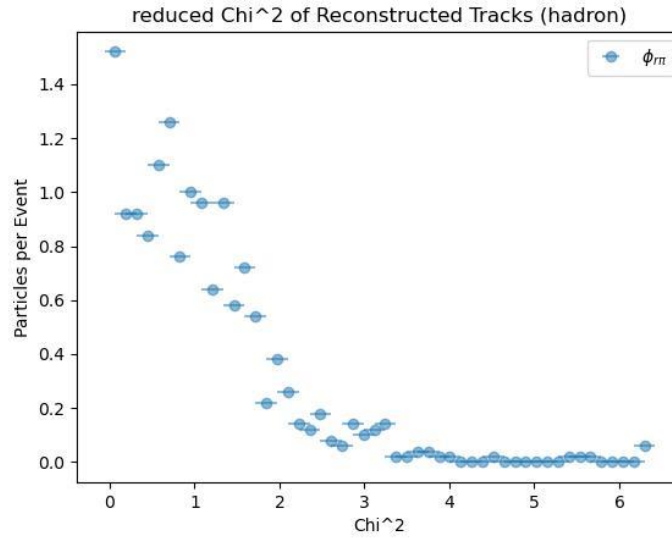


# Chi2 Distributions Realistic Seeding

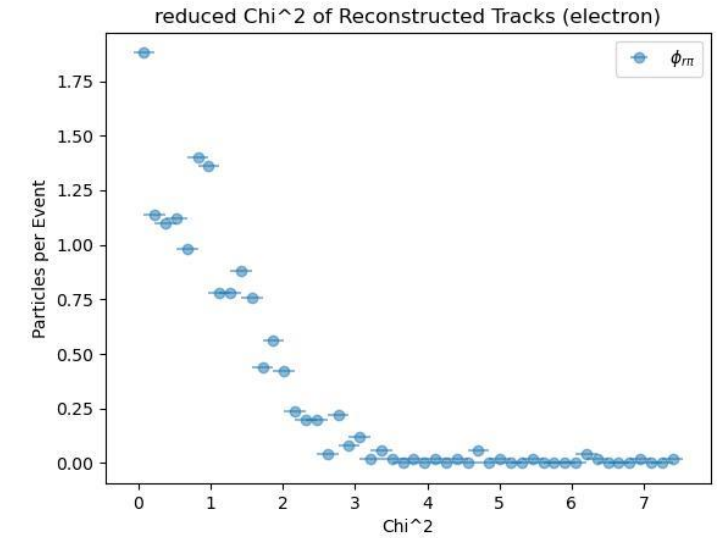
Signal Merged Events



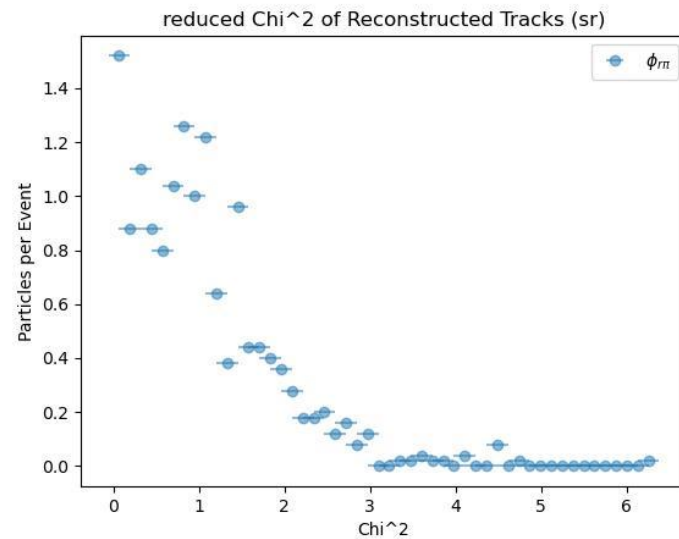
Hadron Gas Merged Events



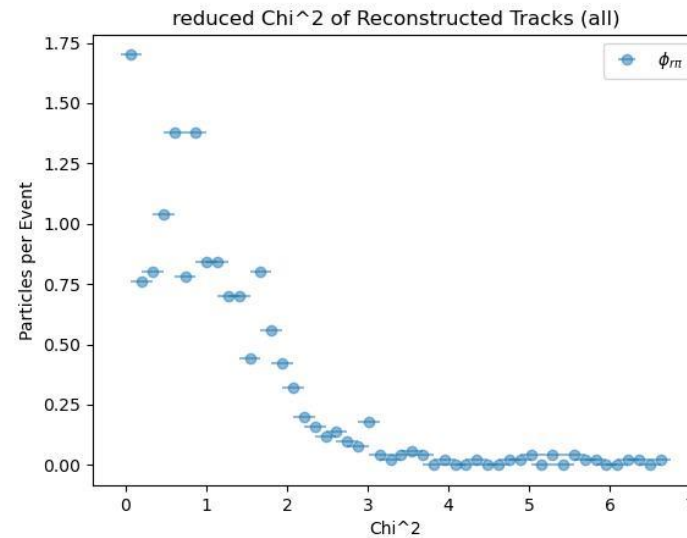
Electron Gas Events



SR Merged Events



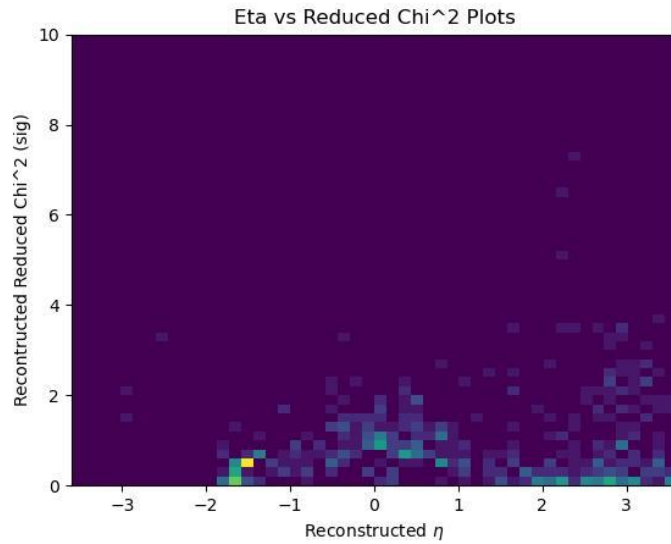
All Merged Events



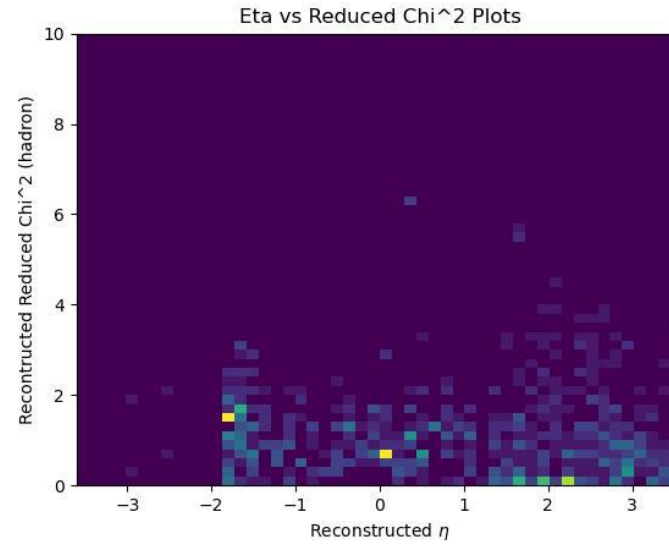


# Chi2 vs Eta Distributions Realistic Seeding

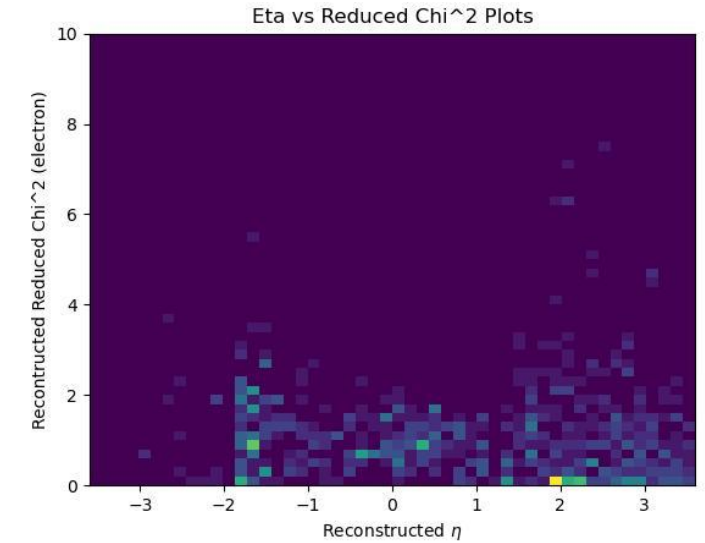
Signal Merged Events



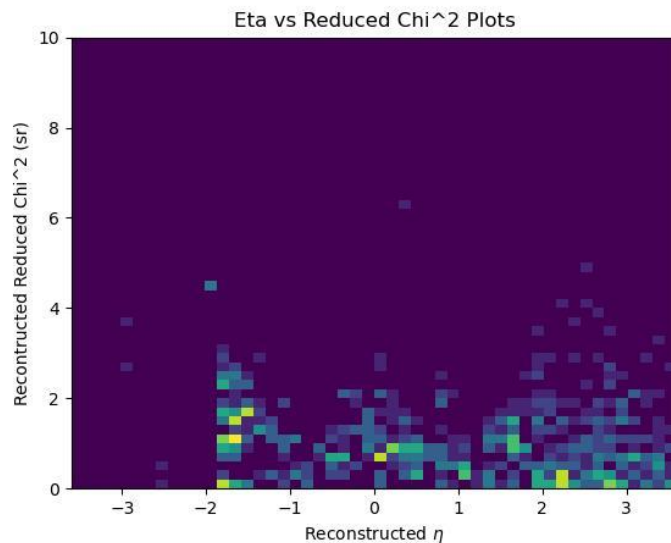
Hadron Gas Merged Events



Electron Gas Events



SR Merged Events



All Merged Events

