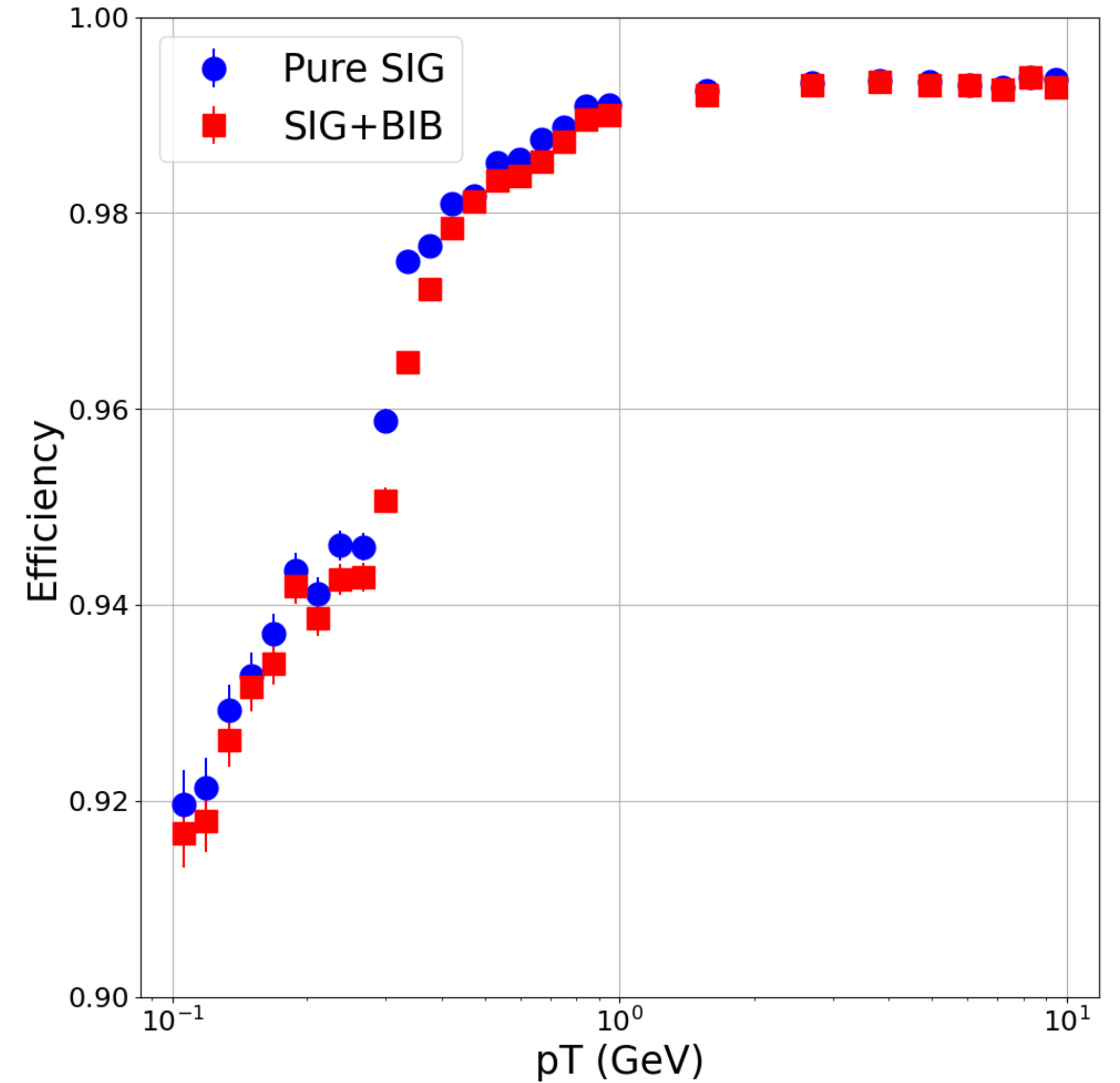
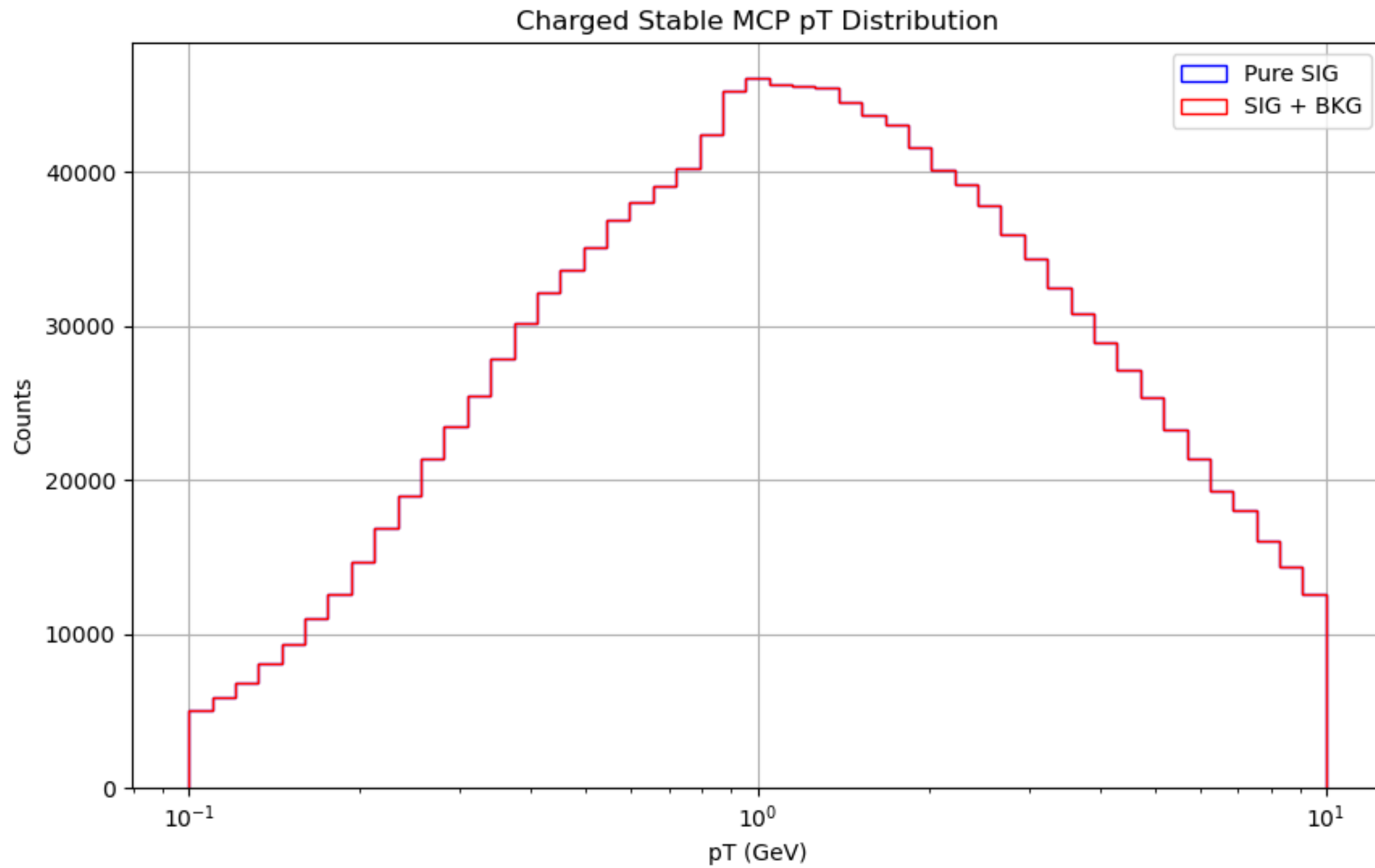
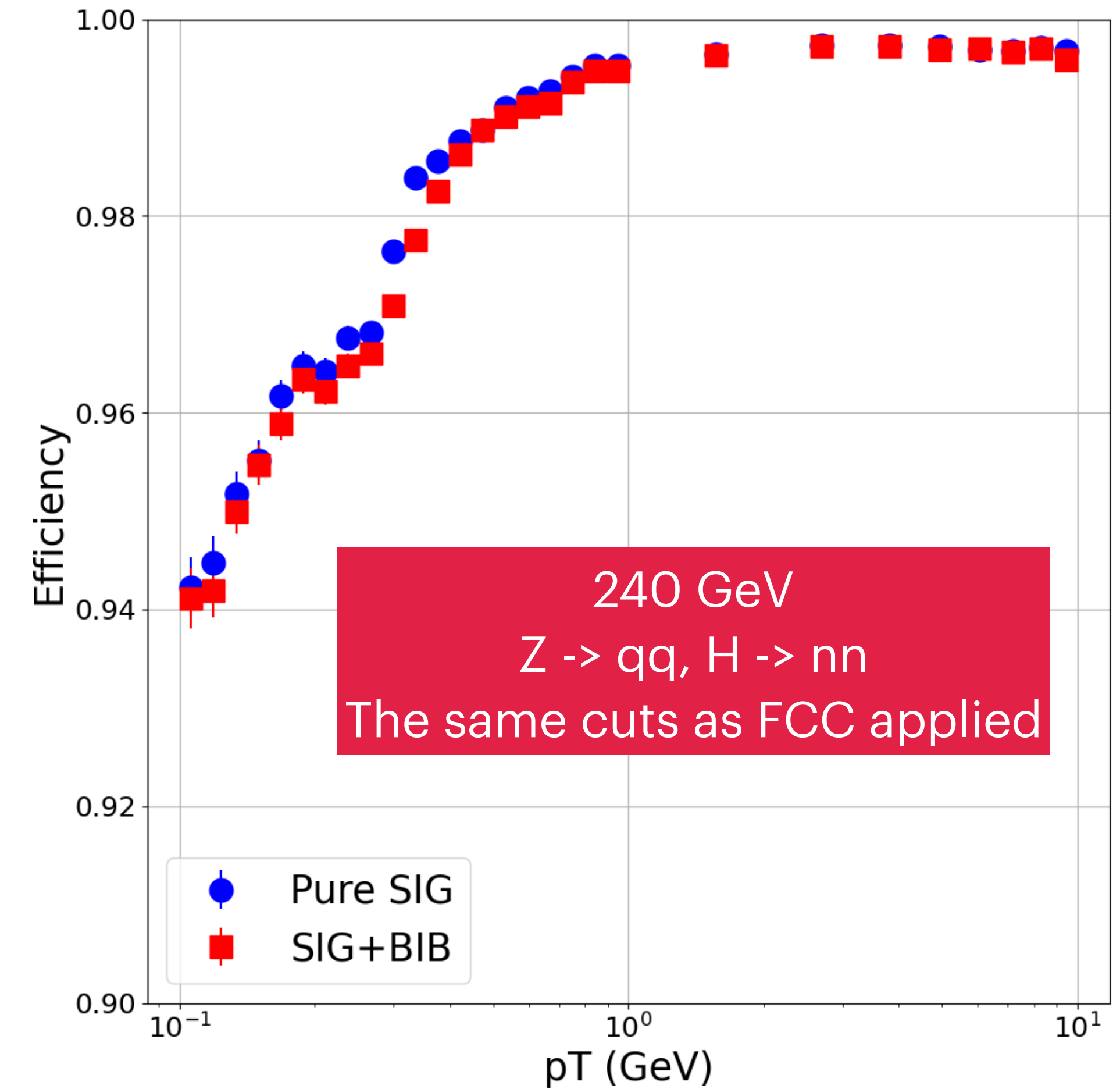
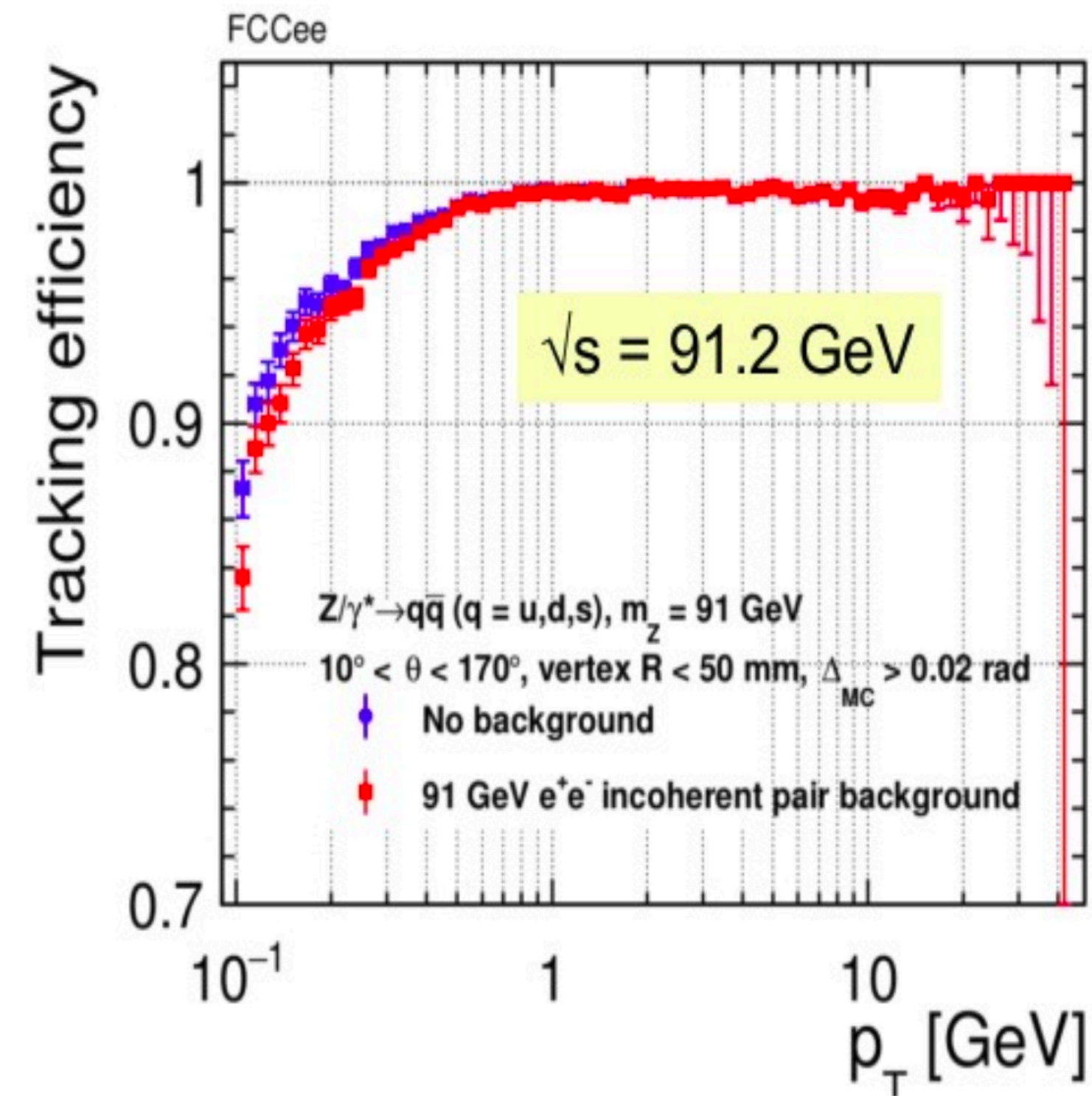
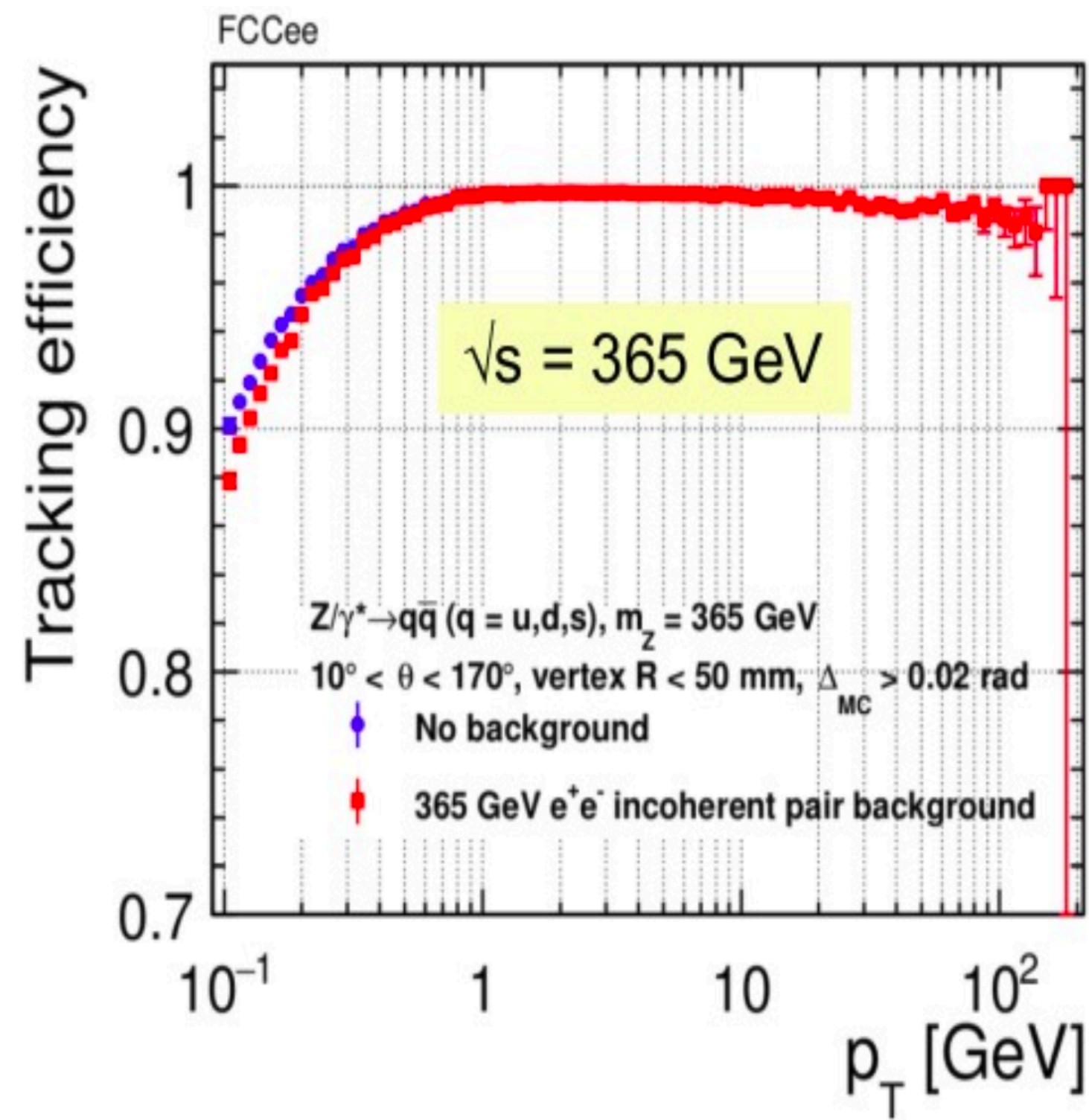


BIB for Trk Eff

- tdr.25.5.0, ee->ZH->qqn
- $|\cos\theta| < 0.99$ & isDecayed=False & DistanceToIP < 100 mm & Purity > 0.9 $\longrightarrow$ Eff. with/without bib : **97.65 vs. 97.78**
- & $p > 1$ GeV $\longrightarrow$ **99.12 vs. 99.17**



BIB for Trk Eff



Impact of background on reconstruction (CLD)

Full simulation

Reconstruction framework Marlin

Tracking pattern recognition with conformal tracking

Particle-flow reconstruction with Pandora

Background events (IPC & SR) overlaid to physics events. The number of overlaid bckgd events corresponds to:

- 1 or 3 BXs for $E_{cm} = 365 \text{ GeV}$ - the latter corresponds to a (conservative) assumption of 10 s for the readout window of the electronics
- 1BX overlaid for calorimeter studies
- 3BXs overlaid for tracking studies

20 BXs = 400 ns for $E_{cm} = 91.2 \text{ GeV}$

- on the lowish side (but not so much)
- Imposed by current limitation from software/computing