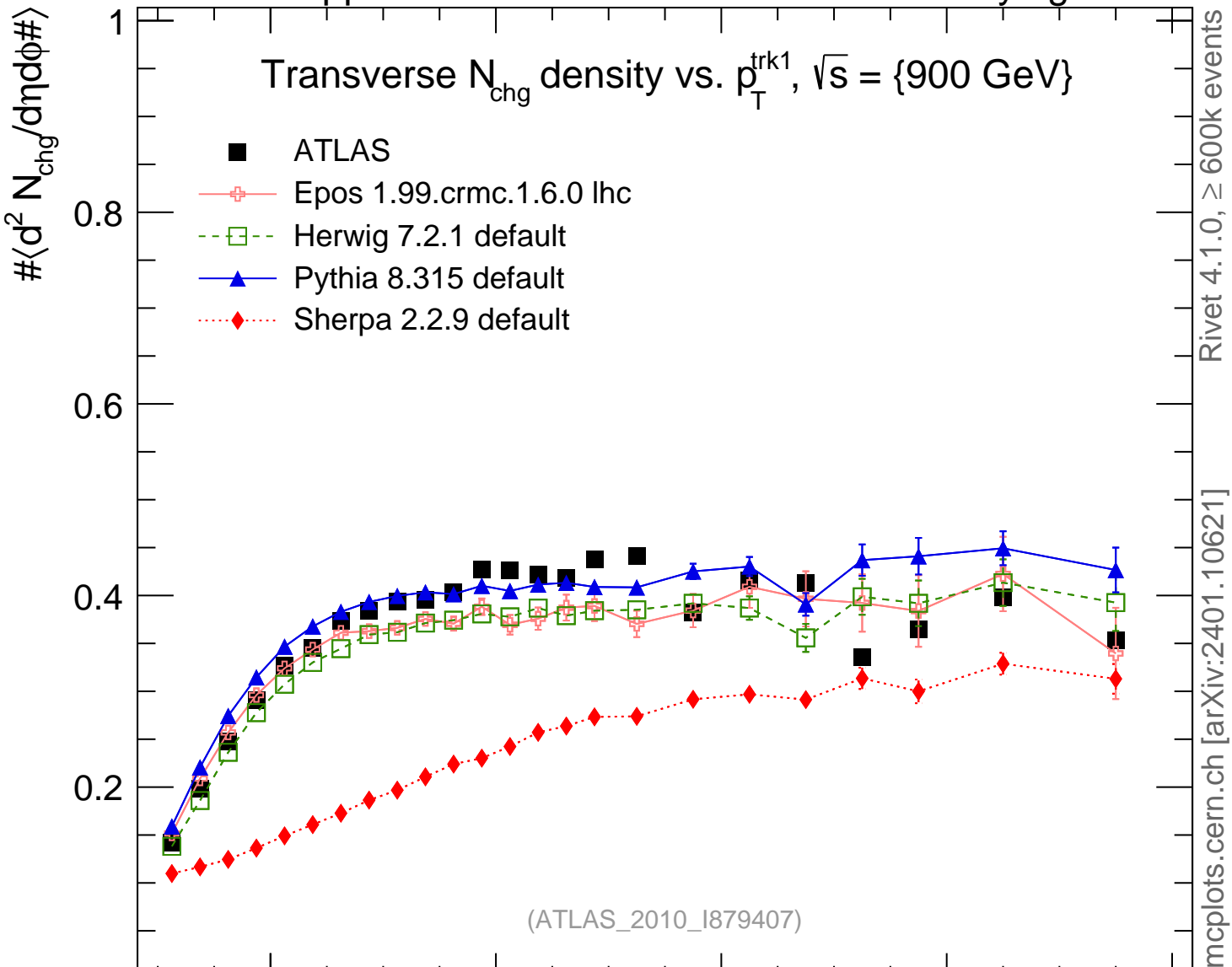


900 GeV pp

Underlying Event

Transverse N_{chg} density vs. $p_{\text{T}}^{\text{trk1}}$, $\sqrt{s} = \{900 \text{ GeV}\}$

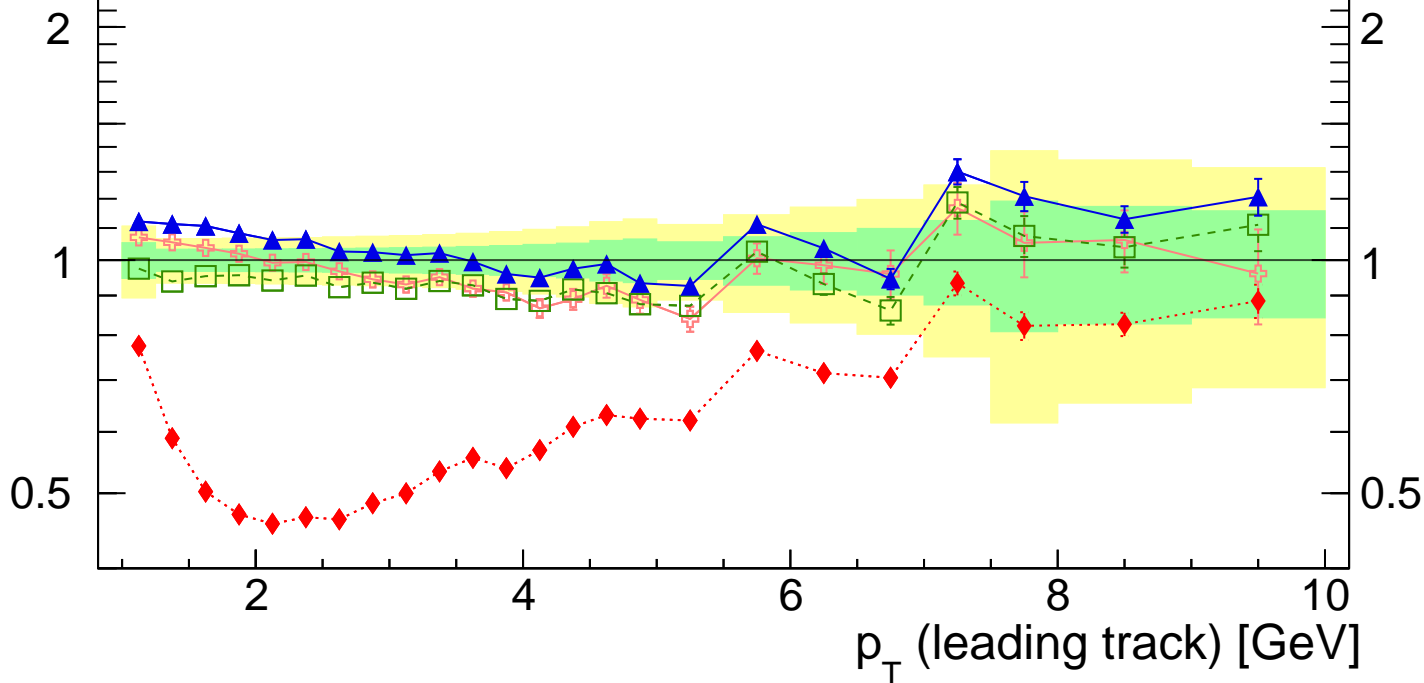
- ATLAS
- +— Epos 1.99.crmc.1.6.0 lhc
- - - □ Herwig 7.2.1 default
- ▲— Pythia 8.315 default
- · - · ◆ Sherpa 2.2.9 default



Rivet 4.1.0, ≥ 600k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS



2

0.5