

900 GeV pp

Underlying Event

Std. dev. 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 6.428 370
- ▲ - Pythia 8.315 default
- ◆ - Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 600k events

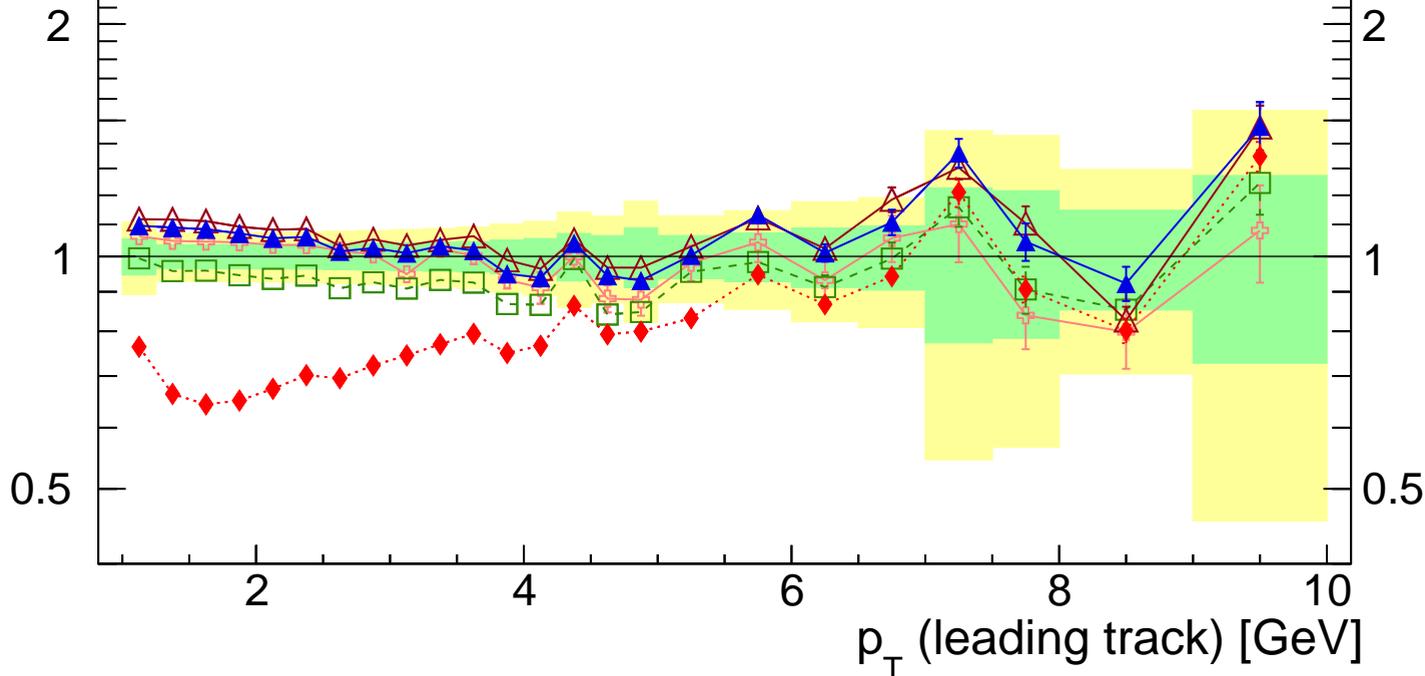
mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

2

0.5

Ratio to ATLAS

 p_{T} (leading track) [GeV]