

900 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_T^{\text{trk1}} > 2.5 \text{ GeV}$, $\sqrt{s} = \{900 \text{ GeV}\}$

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

 $\langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ Rivet 4.1.0, $\geq 600k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

