

900 GeV pp

Underlying Event

 $N_{\text{chg}}$  density vs.  $\Delta\phi$ ,  $p_{\text{T}}^{\text{trk1}} > 2.0 \text{ GeV}$ ,  $\sqrt{s} = \{900 \text{ GeV}\}$ 

- ATLAS
- +— Epos 1.99.crmc.1.3 lhc
- - □ - - Herwig 7.2.1 default
- - △ - - Pythia 6.428 370
- - ▲ - - Pythia 8.315 default
- - ◆ - - Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 800k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2010\_I879407)

