

900 GeV pp

Underlying Event

Transverse  $N_{\text{chg}}$  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,  $\geq 400\text{k}$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2010\_I879407)

