

900 GeV pp

Underlying Event

Toward  $N_{\text{chg}}$  density vs.  $p_{\text{T}}^{\text{trk1}}$ ,  $\sqrt{s} = \{900 \text{ GeV}\}$ ,  $p_{\text{T}} > \{100 \text{ MeV}\}$ 

- ATLAS
- ▲ Pythia 8.315 default
- ▼ Pythia 8.315 tune-AU2
- ◇ Pythia 8.315 tune-AU2lox
- Pythia 8.315 tune-AU2lox
- ★ Pythia 8.315 tune-AU2m

Rivet 4.1.0,  $\geq 3.5\text{M}$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

