

900 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.315 default
- ◆ Pythia 8.315 tune-4c
- ◻ Pythia 8.315 tune-4cx

 $\langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ Rivet 4.1.0, $\geq 3.4\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 $|\phi|$ (w.r.t. leading track) [rad]