

900 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noFsr
- ▲ Pythia 8.315 default-noRap

 $\langle \frac{d^2 N_{\text{chg}}}{d\eta d\phi} \rangle$

1.2

1.0

0.8

0.6

0.4

0.2

0

2

1

0.5

Rivet 4.1.0, $\geq 2.8\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

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