

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 6.428 370
- - □ Pythia 6.428 391
- · - · ■ Pythia 6.428 default
- ▲ Pythia 8.315 default

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

1.2

1.0

0.8

0.6

0.4

0.2

0

2

1

Ratio to ATLAS

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

(ATLAS_2010_I879407)

Rivet 4.1.0, $\geq 3.3\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5