

900 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_T^{\text{trk1}} > 1.0 \text{ GeV}$, $\sqrt{s} = \{900 \text{ GeV}\}$

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.165 default

 $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ 0.6
0.5
0.4
0.3
0.2
0.1Rivet 4.1.0, $\geq 500k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2
1
0.52
1
0.5 $|\phi|$ (w.r.t. leading track) [rad]