

900 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.243 default

 $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ Rivet 4.1.0, $\geq 500 \text{ k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 p_{T} (leading track) [GeV]