

900 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_T^{\text{trk1}} > 1.5 \text{ GeV}$, $\sqrt{s} = \{900 \text{ GeV}\}$

- ATLAS
- - - □ Pythia 6.423 default
- - - ▲ Pythia 8.230 default

 $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ Rivet 4.1.0, $\geq 400\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

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

0 1 2 3

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

1