

900 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_{\text{T}}^{\text{trk1}} > 2.5 \text{ GeV}$, $\sqrt{s} = \{900 \text{ GeV}\}$

■ ATLAS

○ Pythia 6.423 p0

- - □ - - Pythia 6.423 p2010

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

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

1

2

3

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