

7000 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_{\text{T}}^{\text{trk1}} > 5.0 \text{ GeV}$, $\sqrt{s} = \{7 \text{ TeV}\}$

- ATLAS
- - - □ Pythia 6.423 default
- - - ☆ Pythia 6.423 pro-q2o

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

3

2.5

2

1.5

1

0.5

0

Rivet 4.1.0, $\geq 100\text{k}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

2

1

0.5

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