

900 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_T^{\text{trk1}} > 2.0 \text{ GeV}$, $\sqrt{s} = \{900 \text{ GeV}\}$

- ATLAS
- - ○ - - Pythia 6.426 atlas-csc
- - * - - Pythia 6.426 d6t
- - □ - - Pythia 6.426 default
- - ▼ - - Pythia 6.426 dw
- - ○ - - Pythia 6.426 p0

Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

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