

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 6.427 346
- △--- Pythia 6.427 347
- ◇--- Pythia 6.427 348
- +--- Pythia 6.427 349
- △--- Pythia 6.427 370

Rivet 4.1.0, $\geq 1.1\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

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