

7000 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_T^{\text{trk1}} > 2.0 \text{ GeV}$, $\sqrt{s} = \{7 \text{ TeV}\}$

- ATLAS
- Pythia 6.427 345
- Pythia 6.427 346
- △- Pythia 6.427 370
- △- Pythia 6.427 ambt1
- Pythia 6.427 z1
- Pythia 6.427 z2

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

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