

7000 GeV pp

Underlying Event

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

- ATLAS
- △ Pythia 6.427 370
- -△ Pythia 6.427 371
- ·▽ Pythia 6.427 372
- ·+ Pythia 6.427 376

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

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