

7000 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_{\text{T}}^{\text{trk1}} > 3.0 \text{ GeV}$, $\sqrt{s} = \{7 \text{ TeV}\}$

- ATLAS
- △ Pythia 6.428 370
- -□- - Pythia 6.428 391
- -■- - Pythia 6.428 default
- ▲ Pythia 8.315 default

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]