

7000 GeV pp

Underlying Event

Toward N_{chg} density vs. p_T^{trk1} , $\sqrt{s} = \{7 \text{ TeV}\}$, $p_T > \{100 \text{ MeV}\}$

- ATLAS
- △ Pythia 6.427 370
- -■ Pythia 6.427 default
- ▲ Pythia 8.135 default

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 p_T (leading track) [GeV]