

7000 GeV pp

Underlying Event

Transverse N_{chg} density vs. $p_{\text{T}}^{\text{trk1}}$, $\sqrt{s} = \{7 \text{ TeV}\}$, $p_{\text{T}} > \{100 \text{ MeV}\}$ $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$

- ATLAS
- - ■ Pythia 6.423 default
- - ▲ Pythia 8.244 default

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 p_{T} (leading track) [GeV]

0 5 10 15 20