

900 GeV pp

Underlying Event

Toward N_{chg} density vs. $p_{\text{T}}^{\text{trk1}}$, $\sqrt{s} = \{900 \text{ GeV}\}$, $p_{\text{T}} > \{100 \text{ MeV}\}$

- ATLAS
- △ Pythia 6.428 370
- -□- Pythia 6.428 391
- -■- Pythia 6.428 default
- ▲ Pythia 8.301 default

Rivet 4.1.0, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 p_{T} (leading track) [GeV] $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$

3

2.5

2

1.5

1

0.5

0

2

1

0.5