

7000 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.243 default
- ◆ Sherpa 2.2.9 default

 $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$

6

5

4

3

2

1

0

(ATLAS_2010_I879407)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 p_{T} (leading track) [GeV]