

7000 GeV pp

Underlying Event

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

- ATLAS
- Herwig 7.0.4 default
- ▲ Pythia 8.315 default
- ...◆ Sherpa 2.2.9 default

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