

7000 GeV pp

Underlying Event

Average Charged Particle Density (TWRD) ( $|\eta| < 2.5, p_T > 0.1$  GeV)

- ATLAS
- - □ Herwig 7.1.4 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.1.1 default

Rivet 3.1.0,  $\geq 7.2$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

mcplots.cern.ch [arXiv:1306.3436]

0 5 10 15 20

$p_T$  (leading track) [GeV]

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

6

5

4

3

2

1

0