

900 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.0.1 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 2.1.1 default

Rivet 3.1.0,  $\geq 6.9M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

Ratio to ATLAS

0.5

0.5

1

1

2

2

0

0.5

1

1.5

2

2.5

3

3.5

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

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

5

5.5

6

6.5

7

7.5

8

8.5

9

9.5

10