

900 GeV pp

Underlying Event

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

- ATLAS
- Herwig 7.2.0 default
- ▲ Pythia 8.150 default
- ◆ Sherpa 1.4.2 default

Rivet 3.1.0,  $\geq 6M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

2

0

0.5

1

2

0

2

4

6

8

10

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

2.5

2

1.5

1

0.5