

900 GeV pp

Underlying Event

Average Charged Particle Density(TWRD) ( $|\eta| < 2.5, p_T > 0.5$  GeV)

- ATLAS
- - □ Herwig 7.0.3 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 1.4.2 default

Rivet 3.1.0,  $\geq 7.3$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

0.5

2

0

0.8

1.0

1.2

1.4

1.6

 $p_T$  (leading track) [GeV]

2

4

6

8

10

