

900 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.1.4 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 1.2.3 default

Rivet 3.1.0,  $\geq 6.6$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

 $p_T$  (leading track) [GeV]