

900 GeV pp

Underlying Event

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

- ATLAS
- Herwig++ 2.5.2 default
- Herwig 7.2.0 default
- ▲- Pythia 8.226 default
- ◆- Sherpa 2.1.1 default

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ Rivet 3.1.0,  $\geq 6M$  events

4

3.5

3

2.5

2

1.5

1

0.5

ATLAS\_2010\_S8894728

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

4

6

8

10

 $p_T$  (leading track) [GeV]