

7000 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 1.2.2p default

5

4

3

2

1

0

0

2

1

0

0

0

0

2

1

0

0

0.5

0

0

0

5

10

15

20

 p_T (leading track) [GeV]

ATLAS_2010_S8894728

Rivet 3.1.0, $\geq 5.4M$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0

0

0.5

0

0

0

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$

Ratio to ATLAS