

7000 GeV pp

Underlying Event

Average Charged Particle Density (TWRD) ($|\eta| < 2.5, p_T > 0.1$ GeV) $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$

5

4

3

2

1

0

■ ATLAS

-○- Herwig++ 2.6.3 default

-□- Herwig 7.2.0 default

ATLAS_2010_S8894728

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

5

10

15

20

 p_T (leading track) [GeV]