

7000 GeV pp

Underlying Event

Sum(p_T) Density (TWRD) ($|\eta| < 2.5$, $p_T > 0.5$ GeV)

- ATLAS
- - □ Herwig 7.0.1 default
- - ▲ Pythia 8.201 default
- - ◆ Sherpa 1.4.3 default

Rivet 3.1.0, ≥ 6.9 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

 $\langle d^2 \text{sum } p_T / d\eta d\phi \rangle$ [GeV]9
8
7
6
5
4
3
2
1
0

2

1

0.5

Ratio to ATLAS

2

1

0.5

0

5

10

15

20

 p_T (leading track) [GeV]