

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 8.235 default
- - ◆ Sherpa 2.1.1 default

Rivet 3.1.0,  $\geq 6.9$ 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  
02  
1  
0.5

Ratio to ATLAS

2  
1  
0.5

0 5 10 15 20

 $p_T$  (leading track) [GeV]