

7000 GeV pp

Underlying Event

Average  $\Sigma(p_T)$  vs  $p_T^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV)

- ATLAS
- - □ Herwig 7.2.1 default
- · · ♦ Sherpa 2.2.9 default

Rivet 3.1.10,  $\geq 2.9$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

 $p_T$  (leading track) [GeV] $\langle d^2 \text{sum } p_T / d\eta d\phi \rangle$  [GeV]9  
8  
7  
6  
5  
4  
3  
2  
1  
0  
2  
1  
0.5