

7000 GeV pp

Underlying Event

Sum( $p_T$ ) Density (TRNS) (NSD)

- CMS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.205 default
- - ◆ Sherpa 1.2.2p default

Rivet 3.1.0,  $\geq 5.4M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S912004

 $\langle d^2 \text{sum}(p_T) / d\eta d\phi \rangle$  [GeV]8  
7  
6  
5  
4  
3  
2  
1  
08  
7  
6  
5  
4  
3  
2  
1  
0

Ratio to CMS

2  
1  
0.52  
1  
0.50 50 100  
 $p_T$  (leading track-jet) [GeV]