

7000 GeV pp

Underlying Event

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

- CMS
- - □ Herwig 7.1.4 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 1.4.1 default

Rivet 3.1.0,  $\geq 7.3M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S9120041

 $\langle d^2 \text{sum}(p_T) / d\eta d\phi \rangle$  [GeV]10  
8  
6  
4  
2  
0

Ratio to CMS

2  
1  
0.5 $p_T$  (leading track-jet) [GeV]2  
1  
0.5