

7000 GeV pp

Underlying Event

Sum( $p_T$ ) Density (TRNS) (NSD) $\langle d^2 \text{sum}(p_T) / d\eta d\phi \rangle$  [GeV]

- CMS
- - □ Herwig 7.1.1 default
- - ◆ Sherpa 1.4.0 default

Rivet 3.1.0,  $\geq 6.8M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S9120041

Ratio to CMS

10  
8  
6  
4  
2  
0  
2  
1  
0.56.8M events  
3436 events  
2  
1  
0.50 50 100  
 $p_T$  (leading track-jet) [GeV]