

7000 GeV pp

Underlying Event

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

- CMS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.165 default
- - ◆ Sherpa 2.1.1 default

 $\langle d^2 \text{sum}(p_T) / d\eta d\phi \rangle$  [GeV]Rivet 3.1.0,  $\geq 5.4M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S912004

Ratio to CMS

 $p_T$  (leading track-jet) [GeV]