

7000 GeV pp

Underlying Event

Sum(p_T) Density (TRNS) (NSD)

- CMS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.209 default
- - ◆ Sherpa 1.4.5 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]

Ratio to CMS

 p_T (leading track-jet) [GeV]