

7000 GeV pp

Underlying Event

Sum(p_T) Density (TRNS) (NSD)

- CMS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.212 default
- - ◆ Sherpa 1.3.1 default

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

CMS_2011_S912004

Rivet 3.1.0, $\geq 5.4M$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

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