

7000 GeV pp

Underlying Event

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

- CMS
- + Epos 1.99.crmc.1.5.4 lhc
- ▼ Herwig 7.2.0 softTune
- ▲ Pythia 8.108.p1 default

Rivet 3.1.0,  $\geq 5.5M$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $\langle d^2 \text{sum}(p_T) / d\eta d\phi \rangle$  [GeV]14  
12  
10  
8  
6  
4  
2  
0

0

50

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

Ratio to CMS

2  
1  
0.5

0

50

100

CMS\_2011\_S9120041