

900 GeV pp

Underlying Event

Sum(p_T) Density (TRNS) (NSD)

- CMS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.210 default
- - ◆ Sherpa 2.1.1 default

Rivet 3.1.0, $\geq 6M$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2011_S9120041

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

1.4

1.2

1

0.8

0.6

0.4

0.2

0

Ratio to CMS

2

1

0.5

0

10

20

 p_T (leading track-jet) [GeV]

2

0.5