

7000 GeV pp

Underlying Event

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

 Sum(p_T) density wrt η of leading track (TRNS) ($|\eta| < 2.5$, $p_T > 0.1$ GeV)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.0 default
- ▲ Pythia 8.170 default
- ◆ Sherpa 2.1.1 default

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

1

2

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