

7000 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.135 default
- - ◆ Sherpa 1.4.5 default

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

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

2.5

2.0

1.5

1.0

0.5

2.5

2.0

1.5

1.0

0.5

2.0

1.5

1.0

0.5

Ratio to ATLAS

2.0

1.5

1.0

0.5

2.0

1.5

1.0

0.5

0.5

1.0

1.5

2.0

 $|\eta|$ (leading track)

0

1

2

2

1

0.5