

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 7.1.4 default
- - ▲ Pythia 8.108.p1 default
- - ◆ Sherpa 2.1.1 default

Rivet 3.1.0, ≥ 7.2 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

 $\langle d^2 \text{sum } p_T / d\eta d\phi \rangle$ [GeV]3.5
3
2.5
2
1.5
1
0.5
2
1
0.5

0

1

2

 $|\eta|$ (leading track)