

7000 GeV pp

Underlying Event

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

- ATLAS
- Herwig 7.2.0 default
- ▲ Pythia 8.301 default
- ...◆ Sherpa 1.2.3 default

Rivet 3.1.0,  $\geq 5.4$ 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

0.0

0.5

1.0

1.5

2.0

2.5

0

1

2

 $|\eta|$  (leading track)

Ratio to ATLAS

0.5

1.0

1.5

2.0

2.5

3.0

3.5

4.0

0.5

1.0

1.5

2.0

2.5

3.0

3.5

4.0

0

1

2

3

4

5