

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

Rivet 3.1.0,  $\geq 6.9$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

2

2

0.5

0

1

2

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

3.5

3

2.5

2

1.5

1

0.5