

7000 GeV pp

Underlying Event

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

- ATLAS
- +— Epos 1.99.crmc.1.6.0 lhc
- - - □ Herwig 7.2.0 default
- - - △ Pythia 6.428 370
- - - ▲ Pythia 8.170 default
- · - · ◆ Sherpa 2.1.1 default

Rivet 3.1.0,  $\geq 5.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

mcplots.cern.ch [arXiv:1306.3436]

0

1

2

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

3

2.5

2

1.5

1

0.5