

7000 GeV pp

Underlying Event

Sum( $p_T$ ) density wrt  $\eta$  of leading track (TRNS) ( $|\eta| < 2.5$ ,  $p_T > 0.1$  GeV) $\langle d^2 \text{sum } p_T / d\eta d\phi \rangle$  [GeV]

Ratio to ATLAS

0.5

1

2

0.5

1

1.5

2

2.5

- ATLAS
- ▲ Pythia 8.226 default
- ▼ Pythia 8.226 tune-AU2
- ◇ Pythia 8.226 tune-AU2lox
- Pythia 8.226 tune-AU2lox
- ★ Pythia 8.226 tune-AU2m

ATLAS\_2010\_S8894728

 $|\eta|$  (leading track)

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.0,  $\geq 7.1$ M events