

Sum( $p_T$ ) Density (TWRD) ( $|\eta| < 2.5$ ,  $p_T > 0.1$  GeV)

- ATLAS
- ▲ Pythia 8.301 default
- ▼ Pythia 8.301 tune-AU2
- ◇ Pythia 8.301 tune-AU2lox
- Pythia 8.301 tune-AU2loxx
- ★ Pythia 8.301 tune-AU2m

Rivet 3.1.0,  $\geq 7.2$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

2

4

6

8

10

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

4

3.5

3

2.5

2

1.5

1

0.5

0