

900 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.212 default

Rivet 3.1.0,  $\geq 7.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

 $p_T$  (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

4

3.5

3

2.5

2

1.5

1

0.5

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

2

4

6

8

10