

900 GeV pp

Underlying Event

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

- ATLAS
- + Epos 1.99.crmc.1.0 lhc
- ▼ Herwig 7.2.0 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.301 default

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

0.5

2

0

0.5

1

1.5

2

2.5

3

3.5

4

 p_T (leading track) [GeV]

2

4

6

8

10

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