

13000 GeV pp

Underlying Event

Average p_T vs N_{ch} ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 1$ GeV, (TRNSMAX))

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

5

10

15

20

 N_{ch} (Trans-max) $\langle \text{mean } p_T \rangle$ [GeV]

2.4

2.2

2.0

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4