

13000 GeV pp

Underlying Event

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

- ATLAS
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.212 default
- ...◆ Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 500k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

2

1

0.5

 N_{ch} (Trans-min) $\langle \text{mean } p_T \rangle$ [GeV]2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

0

5

10

15

20