

13000 GeV pp

Underlying Event

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

- ATLAS
- - - □ Pythia 6.425 default
- - - ▲ Pythia 8.308 default

 $\langle \text{mean } p_T \rangle [\text{GeV}]$

2.5

2

1.5

1

0.5

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

2

2

1

1

0.5

0.5

0

10

20

 N_{ch} (Towards)