

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, trans-max region

- ATLAS
- - - □ Pythia 6.423 default
- - - ▲ Pythia 8.244 default

 $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$ Rivet 4.1.0, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

 $p_{\text{T}}^{\text{lead}} \{[\text{GeV}]\}$

0 10 20 30