

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, trans-max region

 $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

- ATLAS
- △ Pythia 6.427 370
- -▲ Pythia 6.427 371
- -▼ Pythia 6.427 372
- ··· Pythia 6.427 376

Rivet 4.1.0, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

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