

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{10 \text{ GeV}\}$

- ATLAS
- △ Pythia 6.427 370
- - - □ Pythia 6.427 default
- ▲ Pythia 8.210 default

Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

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

Ratio to ATLAS

 $|\Delta\phi| \text{ [degrees]}$ 