

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_{\text{T}}^{\text{lead}} > \{1 \text{ GeV}\}$

- ATLAS
- - ■ Pythia 6.423 default
- - ☆ Pythia 6.423 pro-q2o

 $\# \langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$ Rivet 4.1.0, $\geq 500\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

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