

13000 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.235 default
- Pythia 8.235 tune-A14-CTEQL1
- - - Pythia 8.235 tune-A14-MSTW2008LO
- ⋯ Pythia 8.235 tune-A14-NNPDF2.3LO
- - △ Pythia 8.235 tune-CUETP8S1

Rivet 4.1.0,  $\geq 300\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2017\_I1509919)

Ratio to ATLAS

