

13000 GeV pp

Underlying Event

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

- ATLAS
- Herwig++ 2.4.2 default
- Herwig 7.2.1 default

 $\# \langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$ Rivet 4.1.0,  $\geq 400\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2017\_I1509919)

Ratio to ATLAS

2

1

0.5

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