

13000 GeV pp

Underlying Event

 $\langle N_{ch} \rangle$  vs  $p_T^{lead}$  ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV,  $p_{T1} > 1$  GeV)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.0.2 default
- ▲- Herwig 7.0.2 UE-MMHT

5

4

3

2

1

0

ATLAS\_2017\_I1509919

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

10

20

30

 $p_T^{lead}$  [GeV] $\langle N_{ch} / \Delta \eta \Delta \phi \rangle$