

7000 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$ vs $p_{\text{T}}^{\text{lead}}$ ($|\eta| < 2.5$, $p_{\text{T}} > 0.1$ GeV)

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

Rivet 3.1.10, $\geq 500\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

5

10

15

20

 p_{T} (leading track) [GeV] $\langle d^2 N_{\text{ch}} / d\eta d\phi \rangle$

8

7

6

5

4

3

2

1

0