

7000 GeV pp

Underlying Event

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

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▼- Herwig 7.2.1 softTune

Rivet 3.1.10, $\geq 2.8\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

2

Ratio to ATLAS

1

0.5

0.5

2

0

1

2

 $|\eta|$ (leading track) $\langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$

5

4.5

4

3.5

3

2.5

2

1.5

1