

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 7.0.0 default
- - ▲ Pythia 8.308 default

5

4

3

2

1

0

2

1

0.5

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

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

 $p_{\text{T}}$  (leading track) [GeV]

2

1

0.5