

7000 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 tune-AU2
- ◆ Pythia 8.308 tune-AU2lox
- Pythia 8.308 tune-AU2lox
- ★ Pythia 8.308 tune-AU2m

Rivet 3.1.10, ≥ 3.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

0

1

2

 $|\eta|$ (leading track)