

900 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.308 default
- ◆ Pythia 8.308 tune-4c
- ◻ Pythia 8.308 tune-4cx

Rivet 3.1.10, $\geq 3.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

0.6

0.5

0.4

0.3

0.2

0.1

2

1

0.5

left $|\phi$ right| (w.r.t. leading track) [rad]