

13000 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$  vs  $\phi^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_{\text{T}} > 0.5$  GeV,  $p_{\text{T}1} > 10$  GeV)

- ATLAS
- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 vincia-default

Rivet 3.1.10,  $\geq 2.2\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2017\_I1509919

2

1

0.5

Ratio to ATLAS

 $|\Delta\phi|$  [degrees]