

13000 GeV pp

Underlying Event

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

■ ATLAS

- - ■ Pythia 6.424 default

 $\langle N_{\text{ch}} / \Delta \eta \text{ delta} \phi \rangle$

6

5

4

3

2

1

0

Rivet 3.1.10, 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $|\Delta \phi|$ [degrees]