

13000 GeV pp

Underlying Event

 $\langle N_{ch} \rangle$  vs  $\phi^{lead}$  ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV,  $p_{T1} > 10$  GeV)

- ATLAS
- △ Pythia 6.428 370
- - \* Pythia 6.428 379
- - △ Pythia 6.428 ambt1
- - ● Pythia 6.428 z2

5

4

3

2

1

0

0

0

0

0

0

0

0

0

0

0

0

Rivet 4.1.0,  $\geq 1.8$ M events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2017\_I1509919)

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

50

100

150

0

50

100

150