

7000 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$ vs ϕ^{lead} ($|\eta| < 2.5$, $p_{\text{T}} > 0.5$ GeV, $p_{\text{T}1} > 2$ GeV)

- ATLAS
- △— Pythia 6.428 370
- -▲- - Pythia 6.428 371
- ·▼· - Pythia 6.428 372
- ·◆· - Pythia 6.428 376

Rivet 3.1.10, ≥ 3.4M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.0

0

1

2

3

left| ϕ right| (w.r.t. leading track) [rad]