

13000 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.425 atlas-csc
- \*-- Pythia 6.425 d6t
- Pythia 6.425 default
- ▼-- Pythia 6.425 dw
- Pythia 6.425 p0

(ATLAS\_2017\_I1509919)

Ratio to ATLAS

Rivet 4.1.0,  $\geq 300\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

0 10 20 30

0.5

2

0

1

2

3

4

5