

7000 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$  vs  $\phi^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_{\text{T}} > 0.5$  GeV,  $p_{\text{T}1} > 5$  GeV)

- ATLAS
- Pythia 6.427 346
- △ Pythia 6.427 347
- ◇ Pythia 6.427 348
- + Pythia 6.427 349
- △ Pythia 6.427 370

Rivet 3.1.10,  $\geq 300\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

 $|\phi|$  (w.r.t. leading track) [rad]