

7000 GeV pp

Underlying Event

Average  $p_T$  vs  $N_{ch}$  ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV)

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ▲ Pythia 8.308 default

Rivet 3.1.10,  $\geq 3.5M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2  
1  
0.52.5  
2  
1.5  
1  
0.50 10 20 30  $N_{chg}$  $\langle p_T \rangle$  [GeV]