

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 0$ ,  $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV)

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

Rivet 3.1.10,  $\geq 3.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8591806

Ratio to ATLAS

Ratio to ATLAS

0.5

0.5

2

2

0.4

0.6

0.8

1.0

1.2

1.4

1.6

1.8

2.0

2.2

0

20

40

60

 $N_{ch}$  $\langle p_T \rangle$  [GeV]