

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 1, p_T > 2.5$  GeV)

- ATLAS
- - □ Herwig 7.0.3 default
- - ▲ Pythia 8.212 default
- - ◆ Sherpa 1.2.3 default

$\langle p_T \rangle$  [GeV]

8

7

6

5

4

3

2

2

1

0.5

Rivet 3.1.0,  $\geq 7$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

 $N_{ch}$ 