

7000 GeV pp

Soft QCD

Average  $\langle p_T \rangle$  vs  $N_{ch}$  ( $N_{ch} > 2$ ,  $p_T > 0.1$  GeV)

ATLAS

Herwig 7.0.1 default

Pythia 8.170 default

Sherpa 1.4.0 default

Rivet 3.1.0,  $\geq 6.8M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

 $\langle p_T \rangle$  [GeV]1.4  
1.2  
1.0  
0.8  
0.6  
0.42  
1  
0.5

Ratio to ATLAS

0 50 100 150 200

 $N_{ch}$