

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

- ATLAS
- - □ Herwig 7.0.0 default
- - ▲ Pythia 8.210 default
- - ◆ Sherpa 1.4.2 default

Rivet 3.1.0,  $\geq 7.3M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2  
1  
0.52  
1  
0.50 5 10 15 20  
 $N_{chg}$ 