

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

3

2.5

2

1.5

1

0.5

2

1

0.5

Ratio to ATLAS

0

10

20

30

$N_{chg}$

- ATLAS
- - □ Herwig 7.2.0 default
- - ◆ Sherpa 1.4.1 default

Rivet 3.1.0,  $\geq 5.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

2

1

0.5