

900 GeV pp

Soft QCD

Average  $\langle p_T \rangle$  vs  $N_{ch}$  ( $N_{ch} > 1$ ,  $p_T > 0.5$  GeV)

■ ATLAS

---□--- Herwig 7.1.1 default

...◆... Sherpa 1.4.1 default

Rivet 3.1.0,  $\geq 7.2M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

 $\langle p_T \rangle$  [GeV]2  
1.8  
1.6  
1.4  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0

Ratio to ATLAS

1  
1.5  
2  
2.5  
3  
3.5  
4  
4.5  
5  
5.5  
6  
6.5  
7  
7.5  
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 $N_{ch}$ 

0.5

2

2