

7000 GeV pp

Soft QCD

Charged multiplicity ( $N_{\text{ch}} > 1, p_{\text{T}} > 2.5 \text{ GeV}$ )Rivet 3.1.10,  $\geq 400\text{k events}$ 

mcplots.cern.ch [arXiv:1306.3436]

 $1/\sigma \text{ d}\sigma/\text{d}N_{\text{ch}}$ 

10  
1  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$   
 $10^{-4}$   
 $10^{-5}$   
 $10^{-6}$

- ATLAS
- Herwig++ 2.5.0 default
- Herwig 7.2.1 default
- ▲- Pythia 8.308 default

ATLAS\_2010\_S8918562

Ratio to ATLAS

2  
1  
0.5

2  
1  
0.5

 $N_{\text{ch}}$ 

0

10

20