

900 GeV pp

Soft QCD

Charged multiplicity ( $N_{\text{ch}} > 1, p_{\text{T}} > 0.5 \text{ GeV}$ ) $1/\sigma \, d\sigma/dN_{\text{ch}}$ 

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

■ ATLAS  
◆ Sherpa 2.2.9 default

ATLAS\_2010\_S8918562

Rivet 3.1.10, 2.9M events  
mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2  
1  
0.5

2  
1  
0.5

0

20

40

 $N_{\text{ch}}$ 