

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 7.2.1 default
—▲— Pythia 8.212 default

ATLAS_2010_S8918562

Ratio to ATLAS

 2
 1
 0.5 2
 1
 0.5

0

10

20

 N_{ch} 