

900 GeV pp

Soft QCD

Charged multiplicity ($N_{ch} > 6, p_T > 0.5 \text{ GeV}$) $1/\sigma d\sigma/dN_{ch}$

1

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

ATLAS

Herwig++ 2.7.1 default

Herwig++ 2.7.1 UE-EE-5

Herwig 7.2.0 default

Rivet 3.1.0, $\geq 5.5M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

1

0.5

2

0.5

10

20

30

40

 N_{ch}