

900 GeV pp

Soft QCD

Charged Particles Distribution ($N_{\text{ch}} > 0, |\eta| < 2.5, p_T > 0.5 \text{ GeV}$) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$

Ratio to ATLAS

Ratio to ATLAS

 η

2.5

2

1.5

1

0.5

2

1

0.5

 η 

ATLAS

Herwig++ 2.4.2 default

Herwig 7.2.0 default

Pythia 8.301 default

Pythia 8.301 vincia-default

Sherpa 2.2.8 default

ATLAS_2010_S8591806

Rivet 3.1.0, $\geq 83\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 η