

7000 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{\text{ch}} > 1$, $p_{\text{T}} > 2.5$ GeV)

■ ATLAS
—▲ Pythia 8.180 default

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$

0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2
1
0.5

2
1
0.5

 η

-2

0

2