

7000 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{\text{ch}} > 2, p_{\text{T}} > 0.1 \text{ GeV}$) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$

Ratio to ATLAS

0.5

2

12

10

8

6

4

2

1

0.5

2

1

0.5

1

2

12



ATLAS



Pythia 6.428 345



Pythia 6.428 346



Pythia 6.428 370



Pythia 6.428 ambt1



Pythia 6.428 z1



Pythia 6.428 z2

ATLAS_2010_S8918562

Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

12

12

-2

0

2

 η