

900 GeV pp

Soft QCD

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

7

6

5

4

3

2

1

0

■ 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

7

6

5

4

3

2

1

0

ATLAS_2010_S8918562

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

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

-2

0

2

 η 