

900 GeV pp

Soft QCD

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

- ATLAS
- △ Pythia 6.428 370
- - \* Pythia 6.428 378
- - \* Pythia 6.428 379

7

6

5

4

3

2

1

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

-16

-17

-18

-19

Rivet 3.1.10,  $\geq 2.5\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

1

0.5

0

-1

-2

-3

-4

-5

-6

-7

2

1

0.5

0

-1

-2

-3

-4

-5

-6

-7

 $\eta$ 

-2

0

2

 $\eta$