

900 GeV pp

Soft QCD

Charged Particles Distribution ( $N_{\text{ch}} > 20, p_{\text{T}} > 0.1 \text{ GeV}$ ) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.209 default

Rivet 3.1.0,  $\geq 7.3\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

0.5

2

4

6

8

10

12

14

-2

0

2

 $\eta$ 

0.5

2

4

6

8

10

12

14