

7000 GeV pp

Soft QCD

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

12

10

8

6

4

2

- ATLAS
- △ Pythia 6.428 370
- - -■ Pythia 6.428 default
- ▲ Pythia 8.308 default

Rivet 3.1.10, $\geq 2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2

1

0.5

2

1

0.5

-2

0

2

 η 