

7000 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{ch} > 1, p_T > 2.5 \text{ GeV}$)

- ATLAS
- △ Pythia 6.427 370
- Pythia 6.427 default
- ▲- Pythia 8.108.p1 default

Rivet 3.1.0, $\geq 7M$ events

mcplots.cern.ch [arXiv:1306.3436]

 $1/N_{ev} dN_{ch}/d\eta$

0.8

0.7

0.6

0.5

0.4

0.3

0.2

0.1

0.0

ATLAS_2010_S8918562

Ratio to ATLAS

0.5

0.0

-2

0

2

 η

2

1

0.5

1

0.5