

7000 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{\text{ch}} > 6, p_{\text{T}} > 0.5 \text{ GeV}$)

- ATLAS
- ▲ Pythia 8.170 default
- -▲ Pythia 8.170 default-CD
- ...▲ Pythia 8.170 default-MBR

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 7
6
5
4
3
2
2
1
0.5Rivet 3.1.10, $\geq 300\text{k events}$
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2
1
0.5 η

-2

0

2