

7000 GeV pp

Soft QCD

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

- ATLAS
- ▲ Pythia 8.308 default
- Pythia 8.308 tune-A14-CTEQL1
- - - Pythia 8.308 tune-A14-MSTW2008LO
- ⋯ Pythia 8.308 tune-A14-NNPDF2.3LO
- - △ Pythia 8.308 tune-CUETP8S1

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 7
6
5
4
3
2
2
1
0.5Rivet 3.1.10, $\geq 2.2\text{M events}$
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2
1
0.5 η 