

7000 GeV pp

Soft QCD

Charged Particles Distribution ($N_{\text{ch}} > 20, p_{\text{T}} > 0.1 \text{ GeV}$)

- ATLAS
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.301 default

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 18
16
14
12
10
8
6
4
2
0.5Rivet 3.1.10, ≥ 400k events
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2
1
0.5 η 