

7000 GeV pp

Soft QCD

Charged Particles Distribution ($N_{\text{ch}} > 20, p_{\text{T}} > 0.1 \text{ GeV}$) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$

- ATLAS
- Herwig 7.1.4 default
- ▲ Pythia 8.301 default
- ◆ Sherpa 1.2.3 default

18
16
14
12
10
8
6
4
2
0.5Rivet 3.1.0, $\geq 7.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

ATLAS_2010_S8918562

Ratio to ATLAS

 η

-2

0

2