

900 GeV pp

Soft QCD

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

- ATLAS
- ▲ Pythia 8.308 default
- ▲ Pythia 8.308 default-noFsr
- ▲ Pythia 8.308 default-noRap

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 14  
12  
10  
8  
6  
4  
2  
0.5Rivet 3.1.10,  $\geq 3.3\text{M}$  events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2  
1  
0.5

-2

0

2

 $\eta$ 