

7000 GeV pp

Soft QCD

Charged Particle $\eta$  Distribution ( $N_{ch} > 20, p_T > 0.1$  GeV) $1/N_{ev} dN_{ch}/d\eta$ 20  
18  
16  
14  
12  
10

- ATLAS
- Herwig 7.2.0 default
- ◆·· Sherpa 1.3.1 default

Rivet 3.1.0,  $\geq 5.4M$  events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

0.5

2

4

6

8

10

12

14

16

18

20

-2 0 2

 $\eta$