

8000 GeV pp

Soft QCD

ALFA+ATLAS hadron-level differential SD cross section vs $\Delta\eta$ $\frac{d\sigma}{d\Delta\eta}$ [mb]

- ATLAS
- Herwig 7.2.1 default
- ▲ Pythia 8.243 default
- ◆ Sherpa 2.2.9 default

10

1

 10^{-1}

(ATLAS_2019_I1762584)

Ratio to ATLAS

2

1

0.5

0

1

2

3

4

 $\Delta\eta$ Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5