

8000 GeV pp

Soft QCD

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

- ATLAS
- - ■ Pythia 6.426 default
- - ▲ Pythia 8.315 default

10

1

 10^{-1}

(ATLAS_2019_I1762584)

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0, $\geq 500k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

 $\Delta\eta$ 