

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 8.315 default
- ▲ Pythia 8.315 default-noFsr
- ▲ Pythia 8.315 default-noRap

10

1

 10^{-1}

(ATLAS_2019_I1762584)

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0, ≥ 2.7 M events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

 $\Delta\eta$

0 1 2 3 4