

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 tune-A14-CTEQL1
- - - Pythia 8.315 tune-A14-MSTW2008LO
- ⋯ Pythia 8.315 tune-A14-NNPDF2.3LO
- - - △ Pythia 8.315 tune-CUETP8S1

10

1

 10^{-1}

(ATLAS_2019_I1762584)

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0, ≥ 2.2 M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $\Delta\eta$ 