

13000 GeV pp

Soft QCD

 $pp \rightarrow nX \text{ (or } \bar{n}X\text{)} \text{ at } \sqrt{s}=13 \text{ TeV}$ 

■ LHC  
—▲ Pythia 8.235 default

 $d\sigma/d\eta \text{ [mb]}$ 

25

20

15

10

5

0

(LHC\_2020\_I1783943)

Ratio to LHC

2

1

0.5

Rivet 4.1.0, 400k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $\eta$ 

9

9.5

10

10.5