

13000 GeV pp

Soft QCD

 $pp \rightarrow nX \text{ (or } \bar{n}X\text{)} \text{ at } \sqrt{s}=13 \text{ TeV in } 9.65 < \eta < 10.06$ 

■ LHC

— Pythia 8.315 qcdcr2

 $d\sigma/dE$  [mb/GeV] $10^{-3}$  $10^{-4}$ 

Rivet 4.1.0, 4.1M events

mcplots.cern.ch [arXiv:2401.10621]

(LHCF\_2020\_I1783943)

Ratio to LHC

2

2

1

1

0.5

0.5

Energy [GeV]

0

2000

4000

6000