

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 8.307 pptherm

 $d\sigma/dE$ [mb/GeV] 10^{-2} 10^{-3} 10^{-4}

(LHCF_2020_I1783943)

Rivet 4.1.0, 900k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to LHC

2

1

0.5

2

1

0.5

Energy [GeV]

0

2000

4000

6000