

13000 GeV pp

Soft QCD

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

■ LHCf

— Pythia 8.308 CP5

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

Rivet 4.1.0, 1.1M events

mcplots.cern.ch [arXiv:2401.10621]

(LHCF_2020_I1783943)

Ratio to LHCf

2
1
0.52
1
0.5

Energy [GeV]

0

2000

4000

6000