

13000 GeV pp

Soft QCD

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

- LHCf
- - ■ Pythia 6.426 default
- - ☆ Pythia 6.426 pro-q2o

 $d\sigma/d\eta \text{ [mb]}$ Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:2401.10621]

(LHCf_2020_I1783943)

Ratio to LHCf

2

1

0.5

 η 