

13000 GeV pp

Soft QCD

n.E (lhcf2020-nx)

 $10^{-2}$  $10^{-3}$  $10^{-4}$  $10^{-5}$ 

- LHCf
- Pythia 6.428 350
- △— Pythia 6.428 370
- △— Pythia 6.428 380
- Pythia 6.428 p0
- -□- - Pythia 6.428 p2010

(LHCF\_2020\_I1783943)

Rivet 4.1.0,  $\geq 1.8$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCf

2

1

0.5

2

1

0.5

0

2000

4000

6000