

7000 GeV pp

Soft QCD

 $\pi^-/\pi^+$  ratio at  $\sqrt{s}=7$  TeV ( $0.8 < p_T < 1.2$  GeV)

- LHCb
- Herwig 7.2.1 default
- ▲ Pythia 8.315 default
- ...◆ Sherpa 2.1.1 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb\_2012\_I1119400)

Ratio to LHCb

2.5 3 3.5 4 4.5

 $\eta$ 

2.5

3

3.5

4

4.5

0.5

1

2

0.5

1

2