

7000 GeV pp

Soft QCD

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

- LHCb
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb\_2012\_I1119400)

Ratio to LHCb

0.7  
0.6  
0.5  
0.4  
0.3  
0.2  
0.1  
2  
1  
0.5

2  
1  
0.5

2.5

3

3.5

4

4.5

 $\eta$ 