

7000 GeV pp

Soft QCD

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

■ LHCb

— Pythia 8.307 pptherm

 $(p+\bar{p})/(K^+ + K^-)$ 

2.5

2

1.5

1

0.5

0

(LHCb\_2012\_I1119400)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to LHCb

2

1

0.5

2.5

3

3.5

4

4.5

 $\eta$ 

2

1

0.5