

7000 GeV pp

Soft QCD

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

- LHCb
- Pythia 6.428 346
- △--- Pythia 6.428 347
- ◇--- Pythia 6.428 348
- +--- Pythia 6.428 349
- △--- Pythia 6.428 370

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb\_2012\_I1119400)

Ratio to LHCb

2

1

0.5

 $\eta$ 

2.5

3

3.5

4

4.5