

7000 GeV pp

Soft QCD

 $\pi^-/\pi^+$  vs  $|y|$  ( $0.8 < p_T < 1.2$  GeV)

- LHCB
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.170 default

Rivet 3.1.10, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2012\_I1119400

Ratio to LHCB

 $\eta$ 