

7000 GeV pp

Soft QCD

 $p_T(D^+) (y=4.0-4.5)$ 

- LHCb
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.209 default

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2013\_I1218996

Ratio to LHCb

2

1

0.5

 $p_T$  [GeV/c]