

7000 GeV pp

Soft QCD

 $p_T(D^{*+})$  (y-2.0-2.5)

- LHCb
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default
- - ◆ Sherpa 1.4.5 default

Rivet 3.1.10, ≥ 500k events

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2013\_l1218996

Ratio to LHCb

2

1

0.5

 $p_T$  [GeV/c]