

7000 GeV pp

Soft QCD

Prompt D^{ast} (2010)⁺ + c.c. $d\sigma / dp_T$ for rapidity interval $4 < y < 4.5$

- LHCb
- Herwig 7.2.1 default
- ▲ Pythia 8.244 default
- ...◆ Sherpa 1.3.0 default

 $d\sigma / dp_T$ [$\mu\text{b}/(\text{GeV})$] 10^2

10

1

(LHCb_2013_I1218996)

Ratio to LHCb

0.5

2

1

0

2

4

 p_T [GeV]Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5