

7000 GeV pp

Soft QCD

Prompt D^{ast} (2010)⁺ + c.c. $d\sigma / dp_T$ for rapidity interval $2 < y < 2.5$

- LHCb
- ▲ Pythia 8.315 default
- ◆ Sherpa 2.2.4 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCB_2013_I1218996)

Ratio to LHCb

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

2

1

0.5

 p_T [GeV]