

7000 GeV pp

Soft QCD

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

- LHCb
- + Epos 1.99.crnc.1.6.0 lhc
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.315 default

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

10

1

Rivet 4.1.0, $\geq 100\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2013_I1218996)

Ratio to LHCb

2

1

0.5

2

1

0.5

 p_T [GeV]

4 6 8