

7000 GeV pp

Soft QCD

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

- LHCb
- ▲ Pythia 8.210 default
- ▲ Pythia 8.210 default-noCR

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2013_I1218996)

Ratio to LHCb

Y-axis labels: $d\sigma / dp_T$ [$\mu\text{b}/(\text{GeV})$], 10², 10, 1, 2, 0.5

 p_T [GeV]