

7000 GeV pp

Soft QCD

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

- LHCb
- △ Pythia 6.428 370
- -■ Pythia 6.428 default
- ▲ Pythia 8.301 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2013_I1218996)

Ratio to LHCb

 $d\sigma / dp_T$ [$\mu\text{b}/(\text{GeV})$]10²

10

1

2

1

0.5

2

1

0.5

 p_T [GeV]

0

2

4