

7000 GeV pp

Soft QCD

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

- LHCb
- ⋈ Epos 1.99.crmc.1.6.0 default
- ⋈ Epos 1.99.crmc.1.6.0 lhc

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb_2013_I1218996)

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

Ratio to LHCb

 p_T [GeV]

0.5

1

2

5

10

15

20

25

30

0.5

1

2