

7000 GeV pp

Soft QCD

Prompt D^{ast} (2010) $^+$ + c.c. $d\sigma / dp_T$ for rapidity interval $3 < y < 3.5$

- LHCB
- Pythia 6.428 350
- .-●-.- Pythia 6.428 357
- ...●... Pythia 6.428 358
- .-■-.- Pythia 6.428 359

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

10

1

(LHCb_2013_l1218996)

Ratio to LHCB

2

1

0.5

 p_T [GeV]Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5