7000 GeV pp

Soft QCD

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

■ LHCB
Pythia 8.315 default
Pythia 8.315 tune-4c
Pythia 8.315 tune-4cx

$d\sigma / dp_T$ [μb]/(GeV)

Rivet 4.1.0, $\geq$ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCB_2013_I1218996)

Ratio to LHCB

p_T [GeV]