7000 GeV pp

Soft QCD

Prompt D$^{\#ast}$(2010)$^+$ + c.c. dσ / dp$_T$ for rapidity interval 3 < y < 3.5

dσ / dp$_T$ [μ{b}/(GeV)]

- LHCB
- Epos 1.99.crmc.1.6.0 lhc
- Herwig 7.2.1 softTune
- Pythia 6.428 370
- Pythia 8.315 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCB_2013_I1218996)

Ratio to LHCB

p$_T$ [GeV]