

7000 GeV pp

Soft QCD

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

- LHCb
- - ■ Pythia 6.426 default
- - ▲ Pythia 8.315 default

Rivet 4.1.0,  $\geq 100$  k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb\_2013\_I1218996)

Ratio to LHCb

 $p_T$  [GeV]