

7000 GeV pp

Soft QCD

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

■ LHCB  
—▲ Pythia 8.165 default

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

10

1

(LHCB\_2013\_I1218996)

Ratio to LHCB

2

1

0.5

 $p_T$  [GeV]Rivet 4.1.0, 100k events  
mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5