

7000 GeV pp

Soft QCD

Prompt  $D_s^+$  + c.c.  $d\sigma / dp_T$  for rapidity interval  $2.0 < y < 2.5$ 

- LHCb
- △ Pythia 6.427 370
- - \* Pythia 6.427 379
- - △ Pythia 6.427 ambt1
- - ● Pythia 6.427 z2

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb\_2013\_I1218996)

Ratio to LHCb

10<sup>2</sup>  
10  
1  
0.52  
1  
0.5 $p_T$  [GeV]