

7000 GeV pp

Soft QCD

Prompt  $D^0$  + c.c.  $d\sigma / dp_T$  for rapidity interval  $2.0 < y < 2.5$ 

■ LHCb

— Pythia 8.307 ppthermNoScat

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb\_2013\_I1218996)

Ratio to LHCb

 $p_T$  [GeV]