

7000 GeV pp

Soft QCD

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

- LHCb
- - ■ Pythia 6.428 359
- - △ Pythia 6.428 370
- - ▲ Pythia 6.428 a
- - ▼ Pythia 6.428 dw
- - ○ Pythia 6.428 p0
- - ☆ Pythia 6.428 pro-q20

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb\_2013\_I1218996)

Ratio to LHCb

 $p_T$  [GeV]