

7000 GeV pp

Soft QCD

 $p_T(Ds^+) (y-2.0-2.5)$

- LHCb
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.180 default
- - ◆ Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

LHCb_2013_I1218996

Ratio to LHCb

2

1

0.5

 $p_T [GeV/c]$ 