

7000 GeV pp

Soft QCD

 $p_T(Ds^+) (y=3.0-3.5)$ 

- LHCB
- - □ Herwig 7.2.0 default
- - ◆ Sherpa 1.4.0 default

 $d\sigma / dp_T [\mu\text{b}/(\text{GeV}/c)]$ 
 $10^3$   
 $10^2$   
 $10$   
 $1$   
 $10^{-1}$ 
Rivet 3.1.0,  $\geq 5.4\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

LHCB\_2013\_I1218996

Ratio to LHCB

 $2$   
 $1$   
 $0.5$ 
 $2$   
 $1$   
 $0.5$ 
 $0$   $2$   $4$   $6$   $8$   
 $p_T [\text{GeV}/c]$ 
