

900 GeV pp

Soft QCD

Cross-section for prompt  $K_S^0$  production ( $3.5 < y < 4.0$ ) $\sigma(pp \rightarrow \{K_S^0\}) [\mu b]$  $10^4$   
 $10^3$   
 $10^2$   
 $10$ 

■ LHCb  
—▲ Pythia 8.135 default

(LHCb\_2010\_I865584)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to LHCb

2  
1  
0.52  
1  
0.5 $p_T$  [GeV]

0

0.5

1

1.5