

900 GeV pp

Soft QCD

Cross-section for prompt  $K_S^0$  production ( $3.0 < y < 3.5$ ) $\sigma(pp \rightarrow \{K_S^0\} X) [\mu b]$  $10^3$  $10^2$ 

10

2



LHCb



Pythia 8.308 default

(LHCb\_2010\_I865584)

Ratio to LHCb

0.5

1

2

0

0.5

1

1.5

 $p_T$  [GeV]

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

0.5