

900 GeV pp

Soft QCD

Diff. cross-section for prompt  $K_S^0$  production ( $3.0 < y < 3.5$ ) $d^2\sigma(pp \rightarrow \{K_S^0\} X) / (dy dp_T)$  [mb/(GeV)]

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

■ LHCb  
— Pythia 8.307 eetherm

(LHCb\_2010\_I865584)

Ratio to LHCb

 $10^{-1}$ 

2

1

0.5

2

1

0.5

 $p_T$  [GeV]