

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

- LHCb
- - □ Herwig 7.2.1 default
- - ▼ Herwig 7.2.1 softTune

(LHCb_2010_I865584)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to LHCb

2

1

0.5

2

1

0.5

 p_T [GeV]

0

0.5

1

1.5