

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 8.308 CP5

(LHCb_2010_I865584)

Ratio to LHCb

2
1
0.52
1
0.5 p_T [GeV]