

Measurement of J/ψ Prompt Double-Differential Cross Sections in pp Collisions at $\sqrt{s} = 13.6$ TeV

Content

Differential production cross section of prompt J/ψ is measured in proton–proton collisions at $\sqrt{s} = 13$ TeV, with data collected by the CMS detector at the LHC, corresponding to an integrated luminosity of 34.74 fb^{-1} . The quarkonium state is reconstructed in the dimuon decay channel, for dimuon rapidity $|y| < 1.2$. The double-differential cross sections is measured as a function of y and transverse momentum.

Summary

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