

Quarkonium Production at LHCb

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LHCb is one of the four LHC experiments that started collecting pp collisions in 2010 at a centre-of-mass energy of 7 TeV. With its forward geometry, LHCb is dedicated to the study of heavy-flavor production and decay. The copious production of quarkonia at large rapidity is a powerful tool to study quarkonium production as well as the performance of the detector providing fundamental building blocks for more sophisticated analyses such as searches for new physics in rare decays. We present results on J/Psi, Chi_c and Upsilon production. All the results will be interpreted in the framework of several theory models, and their impact on quarkonium production will be discussed.

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