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Measurement of B^+ production cross sections in pp collisions a 13 TeV

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The B^+ meson total and differential cross sections, as a function of transverse momentum p_T , are measured in pp collisions at center-of-mass energy $\sqrt{s}=13\text{TeV}$, on the basis of a data sample collected by the CMS experiment in 2018, corresponding to an integrated luminosity of 61.3 fb^{-1} . The measurement uses the exclusive decay channel $B^+ \rightarrow J/\psi K^+$ with the J/ψ decaying to a pair of muons. The results are compared with the results obtained by CMS in 2016

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