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Onia production at LHCb

Tuesday 5 June 2012 17:00 (20 minutes)

Studies of quarkonia production in the forward region provide important tests of NRQCD. During 2010 and 2011 the LHCb experiment has collected a dataset corresponding to an integrated luminosity of 1.0 fb^{-1} in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. We present studies of the production of the J/ψ , $\psi(2S)$ and χ_c charmonium states as well as bottomonium states. Absolute and relative production rates will be presented and compared to the most recent theoretical predictions available. We also present measurements of double charm production, performed for the first time at a hadron collider.

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Collaboration Name
Please enter the name of the collaboration or group using the acronym, as in: ABC Collaboration

LHCb collaboration

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