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Studies of Ξ_c baryons at LHCb

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on behalf of the LHCb collaboration The LHCb detector at the Large Hadron Collider is one of the best instruments for charmed baryon spectroscopy available today. Due to its unique design and characteristics as well as stable operation of the LHC, the detector enables measurements of rare and suppressed decays with high accuracy. The report is devoted to the recent observations of the suppressed decays of the baryons Ξ^+_c and Ξ^0_c and search for CP violation in Ξ^+_c baryon decays that were performed at LHCb.

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