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Hidden charm pentaquark states studied with different reactions

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I shall report on different reactions where hidden charm states, of molecular type or other, can be seen. In particular I will describe theoretically the $\Lambda_b \rightarrow J/\psi K^- p$ and $\Lambda_b \rightarrow J/\psi \pi^- p$ reactions, where experimentally some peaks have been observed and associated to two pentaquark states by the LHCb collaboration. Then I will present studies of related reactions where some predicted states of hidden charm with strangeness could be observed.

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