

## Reconstruction of the charmed baryon $\Lambda_c$ in pp collisions at $\sqrt{s} = 7$ TeV with ALICE

A Large Ion Collider Experiment (ALICE) has been designed for the study of strongly interacting matter created in heavy-ion collisions at LHC energies. The measurement of heavy-flavour hadron production cross-sections in high energy proton-proton collisions provides interesting insights into QCD processes and is important as a reference for heavy-ion studies.

In ALICE, the production of several charm hadron species can be studied, at central rapidity and down to very low  $p_t$ , using particle identification and secondary vertex reconstruction techniques.

We present the status of the charmed baryon  $\Lambda_c$  analysis in pp collisions at  $\sqrt{s} = 7$  TeV in the decay modes  $\Lambda_c \rightarrow pK\pi$  and  $\Lambda_c \rightarrow K0Sp$ .

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