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Strangeness production in pp collisions at $\sqrt{s} = 13$ TeV measured with ALICE

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The study of strangeness production in both pp and Pb–Pb collisions is of particular interest since the strange quark is the lightest and most abundantly produced among the higher generation quarks. Measuring the relative production of strange and multi-strange particles in different colliding systems enables a systematic investigation of possible dependence of strangeness production mechanism with system size and energy density.

Making use of its tracking and particle identification capabilities, ALICE is able to reconstruct the weakly decaying strange hadrons by detecting their daughter tracks and mapping their decay topology. In this contribution, the recent measurement of strange hadrons and the corresponding antiparticles performed by ALICE in pp collisions at the new record center-of-mass energy of 13 TeV will be presented. Results will be compared to predictions from QCD inspired models as well as to measurements performed at lower energies.

On behalf of collaboration:

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