

Resonance production in small systems with ALICE

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The production of hadronic resonances such as $K^*(892)^0$, $\phi(1020)$, $\Sigma(1385)^\pm$, $\Lambda(1520)$ and $\Xi(1530)^0$ has been measured as a function of multiplicity by the ALICE experiment in pp and p-Pb collisions at various energies at the LHC. These resonances differ by mass and strangeness content and thus can be used to provide insights on the mechanisms driving the recently observed multiplicity-dependent enhancement of strangeness production in small systems. In this talk, we present new measurements of resonance production in pp collisions at $\sqrt{s} = 7$ and 13 TeV as well as in p-Pb collisions at 5.02 TeV. Results include transverse momentum spectra, average p_T , yield ratios to long-lived hadrons in minimum bias collisions and as a function of multiplicity.

List of tracks

Resonance decays at low, intermediate and at RHIC and LHC

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