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Resonance production in ALICE

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Short-lived hadronic resonances provide the means to study properties of the relativistic heavy ion collisions. The hot and dense medium produced in such collisions can modify spectral shapes of the reconstructed resonances. Due to short lifetimes resonances are sensitive to rescattering and regeneration in the time interval between the chemical and kinetic freeze-outs making them sensitive to properties of the hadronic phase. Along with stable hadrons resonances contribute in systematic study of parton energy loss and intermediate transverse momentum phenomena. Measurements in small systems are used as a reference and utilized in search of collective effects. In this talk we present overview of the most recent ALICE results on resonance production in pp, p-Pb and Pb-Pb collisions at different energies. The results are compared with model predictions and measurements at lower energies.

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