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Recent Measurements Hadronic Resonances with ALICE at the LHC

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Recent Measurements Hadronic Resonances with ALICE at the LHC
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Hadronic resonances are useful probe to study the properties of the late hadronic phase in ultra-relativistic heavy-ion collisions. The resonances have lifetimes comparable to the time scale of the fireball, so they are sensitive to the competing effects of re-scattering and re-generation in the hadron gas, which can affect the final yields and momentum distributions of resonances. Hadronic resonances with different masses, quantum numbers and quark content can be compared to ground-state particles to provide information about different aspects of ion-ion collisions. In addition, the results from high-multiplicity proton-proton (pp) collisions will be presented to investigate the possible onset of collective phenomena in small systems.
In this contribution, the latest ALICE results on $\mathrm{f}_0(980)$, $\mathrm{f}_2(1270)$, $\rho(770)$, charged and neutral $\mathrm{K}^*(892)$, $\Phi(1020)$, $(1385)^{\pm}$, (1520), $(1530)^0$ measured in pp, p–Pb, Pb–Pb and Xe–Xe collisions at different collision energies will be presented and compared to results from other experiments and theoretical models.

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