

Hadronic Resonance Production with ALICE at the LHC

Friday 14 June 2019 09:00 (40 minutes)

Because of their short lifetime ($\tau \sim 10^{-23}$ s), hadronic resonances are very important probes to understand the evolution of the medium and particle production mechanisms in heavy ion collisions. Properties of the resonances such as mass, width and yield may be modified by the medium. These modifications provide information about possible medium effects, for instance suppression of the resonances due to re-scattering processes during the hadronic phase. In addition, comparison of resonance production in different collision systems allows the system size dependence of their production to be studied. In this talk, the main ALICE results on hadronic resonance production in pp, p-Pb, Pb-Pb and Xe-Xe collisions at different colliding energies will be presented.

Presenters: KARASU UYSAL, Ayben (Karatay University (TR)); YALCIN KUZU, Serpil (Karatay University (TR))