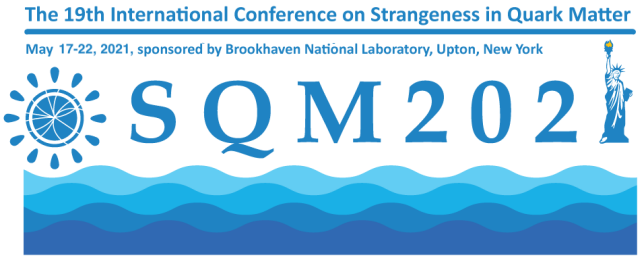

Contribution ID: **79** Type: **Experimental talk**

Recent measurements of hadronic resonances with ALICE at the LHC

Wednesday 19 May 2021 09:30 (20 minutes)

Hadronic resonances, thanks to their relatively short lifetimes, can be used to probe the properties of the hadronic phase in ultrarelativistic heavy-ion collisions. In particular they are exploited to investigate the interplay between particle re-scattering and regeneration after hadronization. Resonances can also be used to explore the various mechanisms that influence the shape of particle momentum spectra, strangeness production, and collective effects. In this contribution we present the latest results on $\rho(770)^0$, K*(892), $f_0(980)$, $\phi(1020)$, $\Sigma(1385)^{\pm}$, $\Lambda(1520)$, $\Xi(1530)^0$ and $\Xi(1820)$ production in pp, p–Pb, Pb–Pb and Xe–Xe collisions at different LHC energies. Results include system-size and collision-energy evolution of transverse momentum spectra, integrated yields, mean transverse momenta and particle ratios. These results will be compared to measurements from lower energy and discussed in the context of theoretical models.

Collaboration

ALICE

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