Accessing the annihilation dynamics using femtoscopic correlations with ALICE at LHC

Baryon–antibaryon ($B\overline{B}$) systems are characterised, already at threshold, by a relevant contribution of several multi-meson channels related to the presence of short-range annihilation processes. Predictions on the formation of bound states (baryonia) from the attractive elastic $B\overline{B}$ interaction have been suggested but a precise understanding of the role played by the annihilation interaction is required to assess the possibility of forming such states.
In this talk, we will present the most precise measurements on the baryon–antibaryon interaction ($p\overline{p}$, $p\overline{\Lambda}$ and $\Lambda\overline{\Lambda}$) at low momenta by means of correlation studies in high-multiplicity pp collisions at $\sqrt{s} = 13$ TeV measured by the ALICE Collaboration. The effect of annihilation channels on the correlation function and a quantitative determination of the inelastic contributions in the three different pairs will be discussed.