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Femtoscopy study of $\pi^-\Lambda$ and K^-p interactions

Tuesday 9 July 2024 11:00 (30 minutes)

We have calculated the femtoscopic correlation functions of meson-baryon pairs in the strangeness $S = -1$ sector, employing a unitarized chiral interaction model up to next-to-leading order. We will show results for the $\pi^-\Lambda$ correlation function, which is presently under analysis by the ALICE@LHC collaboration. We will also demostrate that the employed interaction is perfectly capable of reproducing the K^-p correlation function data measured by the same collaboration, without the need of changing the coupled-channel strengths, as has been suggested recently.

session

E. Hadron and Nuclear Interactions

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