QNP2024 - The 10th International Conference on Quarks and Nuclear Physics



Contribution ID: 242

Type: Contributed e-poster

## 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

Primary author: Mr ENCARNACION, Pablo (University of Barcelona)

Co-authors: Dr FEIJOO, Albert (Technische Universität München); RAMOS, Angels (Universitat de Barcelona,

Institut de Ciencies del Cosmos)

Presenter: Mr ENCARNACION, Pablo (University of Barcelona)

Session Classification: Poster session