



Contribution ID: 263

Type: **Contributed e-poster**

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

Tuesday, 9 July 2024 16:00 (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 demonstrate 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 Ciències del Cosmos)

Presenter: Mr ENCARNACION, Pablo (University of Barcelona)

Session Classification: Poster session