



Contribution ID: 95

Type: **Contributed talk**

## Description of femtoscopic correlations with realistic pion-kaon interactions: the kappa/ $K_0^*(700)$ case

*Tuesday, 9 July 2024 17:15 (20 minutes)*

The ALICE collaboration has recently reported  $\pi^+-K_S$  femtoscopic correlations in pp collisions. Here we show [1] how they can be well described using existing realistic  $\pi$ -K interactions obtained from a dispersive analysis of scattering data [2], containing an accurate description of the kappa/ $K_0^*(700)$  resonance pole.

[1] in progress: M. Albaladejo, A. Canoa, J.M. Nieves, J.R.Pelaez and E.Ruiz-Arriola

[2] J.R.Pelaez, A. Rodas, Phys.Rept. 969 (2022) 1-126

### session

E. Hadron and Nuclear Interactions

**Primary author:** CANOA MONSALVE, Alejandro (Departamento de Física Teórica, Universidad Complutense de Madrid)

**Presenter:** CANOA MONSALVE, Alejandro (Departamento de Física Teórica, Universidad Complutense de Madrid)

**Session Classification:** E. Hadron and Nuclear Interactions