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## Non-identical charged kaon femtoscopy in Pb-Pb collisions at √sNN=2.76 TeV by ALICE

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We present the result of the femtoscopic analysis of non-identical charged kaon correlations in Pb-Pb collisions at  $\sqrt{sNN}=2.76$  TeV obtained in ALICE at the LHC. One-dimensional K+K- correlation functions were analyzed in three centrality classes and eight transverse momentum ranges. The femtoscopic correlations of K+K- pairs are the result of Coulomb final-state interactions and formation of a0(980) and f0(980) resonances. The K+K- correlation function is fit with the R.Lednicky and V.Luboshitz model [1]. For the first time, f0(980) mass and couplings were extracted from the K+K- correlation functions fit with the constraint on the radii to be close to the corresponding radii of identical charged kaon correlations.

[1] R. Lednicky and V.L. Lyuboshitz, Sov. J. Nucl. Phys. 35, 770 (1982)

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