

# Kaon femtoscopy using THERMINATOR model

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Heavy-ion collision experiments are developed to study the properties of strongly interacting matter at high energies. The main aim is to investigate the Quark-Gluon Plasma (QGP), which consist of free quarks and gluons. Using the femtoscopic methods, the information about the space-time characteristics of the particle emitting source, like the radii of such source, is obtained. For needs of high energy physics, phenomenological models like THERMINATOR are used.

In this talk there are presented the theoretical like-sign kaon correlation functions in Au+Au collisions at  $\sqrt{s_{NN}}$  of 200 GeV. The centrality and  $k_T$  dependences are studied.

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