

Two-pion and two-kaon femtoscopic correlations in Au+Au collisions at $\sqrt{s_{NN}}$ from STAR

Tuesday, 3 October 2017 16:05 (20)

Measurement of femtoscopic correlations provides information about spatial and temporal parameters of the particle emission region at kinetic freeze-out. In this talk we present the measurement of two-pion and two-kaon femtoscopic correlations in 200 GeV Au+Au collisions at RHIC. The collision centrality and transverse momenta dependence of the three-dimensional radii, R_{out} , R_{side} and R_{long} will be discussed.

Primary author(s) : Mr. NIGMATKULOV, Grigory (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute))

Presenter(s) : Mr. NIGMATKULOV, Grigory (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute))

Session Classification : Heavy Ion Physics - 2

Track Classification : Heavy ion physics