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Study of two particles correlations in heavy ion collisions at NICA energies

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Two particles angular correlations are a useful tool to study the mechanisms of particle production by observing the angular correlation ($\Delta\eta, \Delta\phi$) between pairs of particles in an event. Different structures in the $\Delta\eta - \Delta\phi$ space are caused by various mechanisms of particle production and interactions between particles shortly after production. Examining these structures can give us insight into the nature of nuclear interactions.

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