

Recent results of the femtoscopic analyses from RHIC and LHC

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The two-particle correlations at low relative momenta (also known as correlation femtoscopy) are sensitive to quantum statistics and allow to measure the space-time picture of the system evolution created in heavy-ion (HI) and particle collisions. The spatio-temporal parameters extracted from HI collisions describe the system at the last moment of the collision evolution - kinetic freeze-out and provide the essential information about the formation of the quark-gluon plasma. The measurements at many facilities showed the dependencies of the spacial scales from the event multiplicity and particle transverse mass (m_T). In this work we show recent results obtained at RHIC and LHC energies and compare them to the theoretical expectations.

Presentation type

Section talk (10+5 min)

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