

## One-dimensional pion femtoscopy in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV from STAR

*Monday, October 12, 2020 4:45 PM (25 minutes)*

Femtoscopy is an important tool to measure spatial and temporal characteristics of the collision system. In this talk, the results of one-dimensional pion femtoscopic analysis performed for d+Au collisions at  $\sqrt{s_{NN}}=200$  GeV will be shown. We will present various dependences of the invariant radii on pair transverse momentum and particle multiplicity per event. The physics implications of the resulting radius from the 1D pion femtoscopic analysis in this small system will be discussed.

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