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Pion femtoscopy in p+Au and d+Au collisions at $\sqrt{s_{NN}} \approx 200$ GeV in the STAR experiment

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In heavy-ion collisions particle-emitting source appears. It is important to understand how the emission source size would change with different collision species. It can be studied using femtoscopy technique, since femtoscopy allows to measure spatial and temporal characteristics of the particle-emitting source.

In this talk, we present one-dimensional source radii of charged pions obtained for p+Au and d+Au collision systems at $\sqrt{s_{NN}} = 200$ GeV. Radii dependence on transverse momentum of the pion pairs will be discussed.

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