

ϕ Meson Measurements at Forward/Backward Rapidity at RHIC with PHENIX Detector

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Given the relatively small hadronic interaction cross section, ϕ meson production provides a unique and complimentary method for exploring the hot and dense medium properties created in the relativistic heavy ion collisions. PHENIX measured ϕ production in a wide range of transverse momentum and rapidity in many collision systems. This talk will focus on the ϕ measurements at forward and backward rapidities in p+p, p+Al, p+Au, d+Au, $^3\text{He}+\text{Au}$, Cu+Au collisions in the PHENIX experiment at RHIC.

List of tracks

Resonance decays at low, intermediate and at RHIC and LHC

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