

10th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions



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PHENIX results on nuclear modification of hadron production in small and large systems

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The intermediate p_T region is ideal for studying hadronization and the transition from soft to hard physics. Quark mass and flavor are key ingredients in hadronization as well as elucidating the details of energy loss mechanisms in the hard sector. For this reason, it is essential to study a variety of different particle species, and PHENIX is ideally-suited for many resonance decay analyses. In this talk we present spectra and nuclear modification factors of identified particles π^0 , ω , K_S , K^* , and ϕ in p+Al, p+Au, d+Au, 3He+Au, Cu+Au, Au+Au, and U+U collisions. Implications for hadronization and energy loss will be discussed.

Collaboration (if applicable)

PHENIX

Track

Jets and High Momentum Hadrons

Contribution type

Contributed Talk

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