

Modification of high $p_{\{T\}}$ hadro-chemistry in Au+Au collisions relative to p+p

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We present high $p_{\{T\}}$ pion, proton, kaon, and rho spectra measured with the STAR experiment in p+p and Au+Au collisions at 200 GeV. We find the kaon/pion ratio to be enhanced in Au+Au 200 GeV collisions relative to p+p 200 GeV collisions at $p_{\{T\}} \sim 6$ GeV/c. The enhancement persists until $p_{\{T\}} \sim 11$ GeV/c for central Au+Au 200 GeV collisions. We also show $R_{\{AA\}}$ measured at the same center of mass of energy, and find kaon and proton $R_{\{AA\}}$ to be higher than pion $R_{\{AA\}}$ at $p_{\{T\}} > 6$ GeV/c. Implications for medium induced modifications of jet chemistry will be discussed.

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