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PHENIX results

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Hard scattered partons lose significant energy traversing the medium created in high energy collisions of heavy nuclei, resulting in suppressed yields of final state high pT hadrons. Results from the PHENIX experiment at RHIC on the suppression of high pT hadrons at mid-rapidity in central Au+Au and Cu+Cu collisions will be shown and compared to corresponding results in d+Au collisions. The beam energy dependence of high pT pi0 suppression in Au+Au collisions will be presented. In addition, results on direct photon yields, which don't suffer energy loss due to the strong nuclear force, will be shown for Au+Au and d+Au collisions.

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