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Recent results on reconstructed jets from PHENIX at RHIC (15' + 5')

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Much of our understanding of the properties of strongly-coupled quark gluon plasma depend on measurements of particle jets from hard-scattering of nucleons in ion-ion collisions. Measurements of jet and particle yields as a function of transverse momentum and collision centrality have shown strong path-length-dependent energy loss of partons traversing the medium. Recently, measurements of jets in small systems at RHIC and the LHC have challenged traditional models of parton energy loss. To further understand these results, the dependence of jet yields on initial geometry must be explored. This talk will present measurements of fully-reconstructed jets in p+Au, d+Au, He3+Au, and Cu+Au collisions using the PHENIX detector at RHIC.

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