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**Full jet-reconstruction in Au+Au collisions at RHIC**

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Measurements of inclusive hadron suppression and di-hadron azimuthal correlations in ultra-relativistic nuclear collisions have provided important insights into jet quenching in hot QCD matter, but are limited in their sensitivity due to well-known biases. Complete jet reconstruction in heavy-ion collisions would provide a direct measurement of the energy of the scattered parton before energy loss, alleviating such biases and allowing a measurement of the energy loss probability distribution necessary to extract properties of the medium in a model-independent way from hard probes. Recently at RHIC the first measurements of fully reconstructed jets in heavy-ion collisions were performed. Comparison of the jet energy spectra and the fragmentation function in Au+Au collisions to p+p reference measurements will be presented and discussed.