

Review of Recent Jet Measurements at STAR

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Relativistic heavy ion collisions provide a unique environment, namely the Quark Gluon Plasma (QGP), to study otherwise currently inaccessible regions of the QCD phasespace. The modification of jets was seen as an important method of analysis for understanding the QGP medium. Due to the large and uniform acceptance for both tracking and electromagnetic calorimetry, STAR is in a unique position for performing jet measurements at RHIC, providing key information on the transport and dynamical properties of the hot and dense QCD medium. Jet measurements had long been used in high energy collisions to study precision QCD and beyond the standard model physics, but measuring jets in the large background environment of a relativistic heavy ion collision required significant development of techniques to account for these effects on jet based observables. The consequent advance in measurement techniques and increased statistics particularly from the recent RHIC runs have lead to a wealth of jet measurements from the STAR collaboration in recent years. In this overview talk, recent jet physics results from STAR will presented, including di-jet asymmetry, jet substructure, event-plane dependence of jet quenching and neutral-particle-triggered jets.