

Abstract Submitted
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Comparison of high-pt di-hadron correlations in 62 AGeV and 200 AGeV Au+Au collisions MARCO VAN LEEUWEN, LBNL, STAR COLLABORATION — One of the most striking observations at RHIC is the disappearance of the back-to-back correlation of medium to high pt particles (2-6 GeV) in central Au+Au collisions at 200 GeV. This can be attributed to energy-loss of the fragmenting partons due to interactions with the hot and dense medium that is formed in these collisions. New correlation measurements from the recent RHIC run at a lower energy of 62.4 GeV will be presented and compared to the existing results at 200 GeV. The results will also be compared to Pythia simulations to explore the connection to the underlying parton dynamics in more detail.

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