

Jet-Hadron Correlations in STAR

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In recent years, the study of dihadron correlations has been one of the primary methods used to investigate the propagation and modification of hard-scattered partons in the QGP. Due to recent advancements in jet-finding algorithms it is now possible to use reconstructed jets in these correlation studies. This increases the kinematic reach of such analyses and improves the signal-to-background ratio.

We show results of a systematic study of jet-hadron correlations in 200 GeV central Au+Au collisions, which are indicative of a broadening and softening of jets which interact with the medium. Furthermore, jet-hadron correlations suggest that the suppression of the associated hadron yield at high- p_T is balanced by low- p_T enhancement.

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