Contribution ID: 324

Type: Parallel

Jet-Hadron Correlations in STAR

Friday 27 May 2011 18:10 (20 minutes)

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 jetfinding 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.

Primary author:OHLSON, Alice (Yale University)Presenter:OHLSON, Alice (Yale University)Session Classification:Jets

Track Classification: Jets