

Abstract Submitted
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Two particle azimuthal correlations in $Cu + Cu$ collisions at $\sqrt{s_{NN}} = 200 GeV$ at RHIC CHRISTINE NATTRASS, Yale University, STAR COLLABORATION — Two particle correlations should yield information about jet quenching and production mechanisms at RHIC energies. They have already been studied extensively at RHIC in $Au + Au, d + Au$, and $p + p$ collisions at $\sqrt{s_{NN}} = 200 GeV$. Two particle azimuthal correlations in $Cu + Cu$ collisions in the STAR detector at $\sqrt{s_{NN}} = 200 GeV$ using $\Lambda, \bar{\Lambda}$, and K_S^0 trigger particles are presented. Dependence of the near side peak on centrality and transverse momentum is investigated. Comparisons between baryons and mesons and between particles and antiparticles are made.

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