Abstract Submitted
for the DNP08 Meeting of
The American Physical Society

HBT correlations of charged pion pairs in $\sqrt{s} = 200$ GeV p+p collisions at RHIC-PHENIX[1] ANDREW GLENN, Lawrence Livermore National Lab, PHENIX COLLABORATION — Femtoscopic methods, such as those exploiting the Hanbury-Brown Twiss effect, have long been used to provide space-time information about the bulk medium formed in heavy ion collisions, but these techniques are capable of having a broader impact in understanding this data. Arguably, the most important effects observed at RHIC are the strong modification of jets by the produced Quark Gluon Plasma and conversely, the feedback of the jet into the medium. The first experimental step for using HBT techniques to study these is the benchmark measurement for p+p collisions, where kinematic correlations require careful consideration. Comparisons of correlations from minimum bias data to those from the region of a triggered jet are of particular importance. The status of the first HBT analysis for pions from $\sqrt{s} = 200$ GeV p+p collisions measured by the PHENIX collaboration will be presented.

[1]for the PHENIX Collaboration

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Date submitted: 03 Jul 2008 Electronic form version 1.4