Abstract Submitted
for the SES08 Meeting of
The American Physical Society

Two Dimensional Large Nc QCD at Finite Density RICHARD GALVEZ, Department of Physics, Florida International University, Miami, FL, 33199 U.S.A., BARAK BRINGOLTZ, Department of Physics, University of Washington, Seattle, WA 98195 U.S.A., RAJAMANI NARAYANAN, Department of Physics, Florida International University, Miami, FL, 33199 U.S.A. — The study of Quark Gluon Plasma (QGP) is within experimental reach at BNL and CERN. Lattice Field Theory is a non-perturbative method to study QCD at finite density thus providing a theoretical framework to analyze QGP. Progress towards an understanding of two dimensional QCD in the limit of large number of colors (Large Nc Limit) at finite density will be reported. The chiral condensate and the phase of the fermion determinant will play a central role in the analysis.

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Date submitted: 12 Aug 2008 Electronic form version 1.4