

Abstract Submitted
for the MAR10 Meeting of
The American Physical Society

Quantum oscillations in electron doped high temperature superconductors¹ JONGHYOUN EUN, XUN JIA, SUDIP CHAKRAVARTY, UCLA — We have computed Shubnikov-de Haas oscillations in high magnetic fields and low temperatures in the electron doped NCCO compounds for 15, 16, and 17 percent doping within the density wave framework and have found good agreement with the experiments of T. Helm et al., Phys. Rev. Lett. 103, 157002 (2009). The method used is an exact transfer matrix method using the Landauer formula.

¹Supported by a grant from NSF-DMR

Sudip Chakravarty
UCLA

Date submitted: 19 Nov 2009

Electronic form version 1.4