Abstract Submitted
for the MAR08 Meeting of
The American Physical Society

Electrical Transpot in Ultra Long Bundles of Carbon Nanotube
AMELIA CHURCH, RAKESH SHAH, XIANFENG ZHANG, SAIKAT TALAPATRA, Department of Physics, Southern Illinois University Carbondale — We will present electrical transport measurements performed on bundles of millimeter long multi walled carbon nanotubes (MWNT). These MWNTs were grown using air assisted floating catalyst chemical vapor depostion method. The temperature dependence of resistance of these MWNT bundles as a function of bundle length will be presented. The variation in the electrical transport properties as a function of MWNT lengths as seen from the current-voltage measurements will also be discussed.

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Date submitted: 26 Dec 2007 Electronic form version 1.4