



Sonderforschungsbereich 631
Festkörperbasierte Quanteninformationsverarbeitung



im November 2004

SEMINARANKÜNDIGUNG

Dienstag, 16.11.2004

17.15 Uhr

WSI, Seminarraum S 101

„Electron-Electron interaction in Disordered Multiwall Carbon Nanotubes”

Both the thermoelectric power and the differential conductance of multiwall carbon nanotubes have been studied at low temperature. We observed an accurate $T \ln T$ dependence at low temperature, accompanying by the gradual opening of a Coulomb gap. The behavior is possibly originated from the Coulomb interaction between the electrons in a disordered local environment.

Dr. Ning Kang
Universität Konstanz