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Low frequency coupled Raman modes in DWCNT

Dr. Christian Kramberger-Kaplan

Faculty of Physics, University of Vienna

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要旨

The breathing like modes (BLM) in double walled carbon nanotubes are in the most simple model represented by two coupled harmonic oscillators. The shape of the interaction potential is still discussed, and clearly beyond the realm of ab-initio approaches. I will report on peapod derived DWCNT, they offer a wide spread of inner-outer tube spacings and allow to empirically address the interaction between the two carbon shells.

