

# Electro mechanics of suspended carbon nanotube weak links in a SQUID configuration.

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## **Abstract:**

Carbon nanotubes are used as a high frequency and quality mechanical resonator in a SQUID structure. The mechanical resonance is measured using radiofrequency excitation. The frequency of both CNT's are found gate tunable. Ultra clean electrical properties in the coulomb and fabry perot like regime were found alongside with a critical current of up to 20 nA.