

MUSIC ON THE NANOSCALE: NANOSTRING VIBRATIONS

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Like the strings of a guitar, freely suspended nanostrings have fascinating vibrational properties. With mechanical quality factors close to 500,000 they enable room temperature coherence times of several milliseconds. This allows using nanomechanical resonators as model systems to explore a broad range of dynamical phenomena. I will address several examples, including the squeezing of thermal motion in a driven nonlinear resonator, and interferometry based on two strongly coupled modes.

FRIDAY,
23.11.2018

2:00 PM

CFEL
SEMINAR ROOMS I-III

