

Exploring gravity with micro-mechanical oscillators

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The status of three optomechanical experiments is presented. The first one sets upper bounds on possible deformations of the standard commutator between position and momentum. The second one aims to detect the gravitational force between two silicon micro-oscillators in a high-purity state. The third one explores the motion of levitated nanospheres in the quantum regime.

Working Group

WG4 - Low-energy high-precision experiment

Author: MARIN, Francesco

Presenter: MARIN, Francesco

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