The Low-Energy Frontier of Particle Physics



Contribution ID: 4 Type: **not specified**

Experiments on gravity with opto-mechanical resonators

Monday, 10 February 2025 18:20 (40 minutes)

I will describe two INFN experiments exploiting opto-mechanical resonators for investigating involving gravity. The first is HUMOR, which set upper limits to possible deformation of the standard commutator between position and momentum. The second is GRAFIQO, aiming to detect gravitational interaction between low-mass oscillators.

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Session Classification: Gravity and Quantum Mechanics