

Theoretical Physics Seminar

Department of Fundamental Research
National Centre for Nuclear Research

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Wednesday, 20/05/2020, 12:15

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Testing quantum gravity and quantum gravity phenomenology

Abstract:

In my talk I will first briefly describe quantum gravity and characterize quantum gravity effects. Then I will argue that although it does not seem feasible to observe quantum gravity effects directly, we could, or will be able in a near future, experimentally test deviations from the standard physics of the quantum gravitational origin. I will present some effects of this kind and argue that quantum gravity phenomenology is possible and can be fruitfully explored.

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