

Emergent gravity: From Condensed matter analogues to Phenomenology

Friday 1 July 2016 11:30 (1 hour)

Analogue models of gravity have proved in the past formidable tool for testing quantum field theory in curved spacetime and the robustness of its phenomenology against UV physics.

However, they can be also used as toy models for emergent gravity scenarios. In this talk I will discuss a few lessons which can be learned from these models and consider some of their phenomenological implications amenable to observational or experimental tests in the near future.

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