

A probabilistic expanding universe under functors of actions

Thursday 12 December 2024 14:20 (20 minutes)

In this contributed talk, I will discuss how to embrace information by presenting important concepts of abstract information field theory, probabilities, and probabilistic dimensions, in the view of functors of actions theories and other abstract theories. I will present a collection of manifolds and metric systems with probabilistic notions, different flavors of an expanding sub-manifold to metric systems describing simpler dynamics of space around massive objects. Furthermore, I will talk about the derivation of the equation of motions of a simplified gravity model in a probabilistic expanding Universe. Finally, I will introduce the notions of probabilistic actions and concepts of novel categories of abstract field-particles, such as the probablons and infor-matons. These are the first steps towards a concrete description of a probabilistic gravity, and a probabilistic expanding Universe.

Internet talk

Maybe

Details

Pierros Ntelis

Is the speaker for that presentation defined?

Yes

Name of experiment and experimental site

Observations of large scale structure, be it from Euclid, DESI, SDSS, and CMB from Planck

Is this an abstract from experimental collaboration?

Yes

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Session Classification: Extended session