



Dipartimento di Fisica
Università di Cagliari
INFN, Sezione di Cagliari



HIGH ENERGY PHYSICS COLLOQUIA

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ASYMPTOTIC SAFETY OF ϕ^4 IN NONCOMMUTATIVE CURVED SPACES

Abstract

We will show some of the latest results regarding the renormalization group flow of a scalar ϕ^4 in a noncommutative theory in curved space (Snyder-deSitter). This could be seen as a playground to test relevant questions such as asymptotic safety and the swampland conjecture in string theory.

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