

Dynamically induced Planck scale and inflation in the Palatini formulation

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We study non-minimal Coleman-Weinberg inflation in the Palatini formulation of gravity in the presence of an R^2 term. The Planck scale is dynamically generated by the vacuum expectation value of the inflaton via its non-minimal coupling to the curvature scalar R . We show that the addition of the R^2 term in Palatini gravity makes non-minimal Coleman-Weinberg inflation again compatible with observational data.

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