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Inflation in quantum-gravity deformed quadratic gravity

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Asymptotically Safe theories of gravity have received much interested in recent times. In this work we discuss a class of inflationary models derived from quantum-gravity modification of quadratic gravity according to the induced scaling around the non-Gaussian fixed point at very high energies. In particular we shall discuss the implication of these theories for the Planck 2015 measurement of the CMB anisotropies.

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