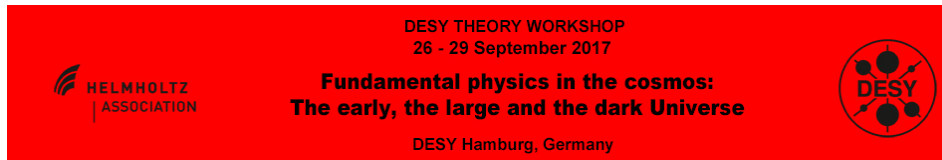


Fundamental physics in the cosmos: The early, the large and the dark Universe



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Universal predictions from inflation

Thursday 28 September 2017 14:34 (17 minutes)

An ultraviolet-complete description of inflation may not be simple. Indeed, our best paradigm for physics at high energies seems to point towards a low-energy effective potentials with a large number of degrees of freedom. Cosmological data however shows a very simple primordial distribution of matter. I will discuss how complex inflation can give rise to universal simple predictions by analysing two distinct scenarios—one with random manyfield potential and one with poles in the kinetic terms.

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