

Cover Page



Universiteit Leiden



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Author: Hardeman, Sjoerd Reimer

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Non-decoupling of heavy scalars in cosmology

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Promotor: prof. dr. A. Achúcarro
Co-Promotor: dr. K. E. Schalm
Overige leden: prof. dr. J. W. van Holten
dr. D. Roest
prof. dr. J. M. van Ruitenbeek
dr. B. J. W. van Tent

The background image is the Hubble ultra deep field, an image of an estimated 10,000 galaxies in the constellation Fornax. These galaxies were formed from the density perturbations that were created during inflation and are best studied from the cosmic microwave background radiation. The image of this radiation is used as a background for the letters on the cover. Finally, a curved inflaton trajectory is depicted, which will make features in the power spectrum that might be possible to study using late time cosmology.

'Lieve hart mijn boek is af, mijn boek is af!' - Multatuli

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