

# Particle Cosmology after Planck



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**Particle Cosmology  
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## Dark Radiation predictions from general Large Volume Scenarios

*Thursday, 25 September 2014 14:40 (20 minutes)*

The existence of Dark Radiation is a generic prediction of the Large Volume Scenario (LVS), a popular scheme of moduli stabilisation in type IIB string theory. In this talk I will quantify predictions for Dark Radiation for a wide range of LVS models. In particular, I will show that some of the most natural LVS settings with natural values of model parameters lead to Dark Radiation predictions just below the present observational bounds. Barring a discovery, rather modest improvements of present Dark Radiation limits can rule out many of these most simple and generic variants of the LVS.

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