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## On The Effective Number of Relativistic Degrees of Freedom

*Thursday 28 July 2022 15:00 (30 minutes)*

It is presented an overview of the effective number of relativistic degrees of freedom  $N_{eff}$ , a parameter related to observations such as the abundance of light nuclei produced during Big-Bang Nucleosynthesis and temperature anisotropies in the Cosmic Microwave Background. Deviations  $\Delta N_{eff}$  from the Standard Model prediction  $N_{eff} = 3.045$  constitute clear signs of new physics, some of which will be commented.

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