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Leptogenesis and Low-Energy Leptonic CP Violation

Thursday, 11 April 2019 09:00 (30 minutes)

In this talk I discuss the possibility of producing the observed baryon asymmetry of the Universe via thermal leptogenesis, where CP violation comes exclusively from the low-energy phases of the neutrino mixing matrix. We demonstrate the viability of thermal leptogenesis across seven orders of magnitude 10^6<T (GeV)< 10^13.

We clarify that at very high scales T > 10^12 GeV is sensitive to the low-energy phases, in contradiction with what is usually claimed in the literature.

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