

# Leptogenesis

*mercredi 18 juillet 2018 10:35 (30 minutes)*

Leptogenesis is an elegant scenario where the baryon asymmetry of the Universe is produced from a lepton asymmetry generated in the decays of a heavy right-handed neutrino. In this talk, I will briefly review on the novel mechanism and discuss whether we can test the scenario by current/future experiments. In the latter half of the talk, I would like to give you a concrete example of the (thermal) leptogenesis scenario which can be tested by the next generation of gravitational wave experiments (Ref.[1]).

Reference:

[1] “Leptogenesis explains little hierarchy”,  
Ryo Nagai, Fuminobu Takahashi, and Norimi Yokozaki  
arXiv:1805.04243

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**Classification de Session:** Joint session