

Leptogenesis

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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

Auteur principal: Dr NAGAI, Ryo (Tohoku Univ.)

Orateur: Dr NAGAI, Ryo (Tohoku Univ.)

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