

Leptogenesis in type-III seesaw models and the implications of flavor effects

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In type-III seesaw the generation of a lepton asymmetry proceeds via the dynamics of Majorana electroweak triplets. In this talk I will discuss the importance of flavor effects in this type of models, in particular the impact that such effects can have for TeV-scale triplets. I will show that as long as the asymmetry is produced by the dynamics of the lightest triplet flavor effects are negligible, but open the possibility for scenarios in which the asymmetry is produced above the TeV scale by heavier states, readily surviving the TeV related washouts. Possible experimental tests of these scenarios are also discussed.

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