

## DISCRETE '08: Symposium on Prospects in the Physics of Discrete Symmetries



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### Little Review on Leptogenesis

*Saturday, 13 December 2008 12:30 (45 minutes)*

The scenario of baryogenesis through leptogenesis will be reviewed. This is an appealing scenario that may relate the observed baryon asymmetry in the Universe to the low-energy neutrino data. Particular emphasis will be put on recent developments on the field, such as the flavourdynamics of leptogenesis and resonant leptogenesis near the electroweak phase transition. I will illustrate how these recent developments enable the modelling of phenomenologically predictive scenarios that can directly be tested at the LHC and indirectly in low-energy experiments of lepton-number and lepton-flavour violation.

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