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Baryogenesis from Modulus Decay

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Many string compactifications predict the existence of a scalar field (modulus) with a mass of 100-10000 TeV. In the early universe its decay (at MeV-temperatures) generates large amounts of entropy and washes out any previously produced baryon asymmetry. I describe how the baryon asymmetry can be (re)generated by the modulus decay. The mechanism relates the smallness of the asymmetry to the hierarchy between the Planck- and the Fermi-scale.

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