



Wednesday 6 July, 14:50 – 15:10

Session 11: Theory of neutrino mass, mixing, CP-invariance violation and leptogenesis

Leptonic CP violation theory

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I discuss different approaches to predict the Dirac as well as the two (possible) Majorana phases in the lepton sector. In addition, I point out ways to predict high energy CP phases, relevant for leptogenesis, and how to correlate the sign of the baryon asymmetry of the Universe with the values of the low energy (Dirac and Majorana) phases in the context of the type-I seesaw mechanism. Eventually, I briefly mention ways to explain the CP violating phase in the quark sector.