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## Unified Models of Neutrinos, Flavour and CP violation

*jueves, 26 de mayo de 2016 10:00 (30)*

In this talk we shall give an overview of unified models of quark and lepton (including especially neutrino) masses and mixing based on discrete CP and family symmetries spontaneously broken by extended Higgs and flavon sectors. Various different approaches to model building will be described, denoted as direct, semi-direct and indirect. We discuss examples based on SU(5) and SO(10) SUSY GUTs with A4, S4 and Delta(27) family symmetry. Leptogenesis and SUSY flavour predictions of such models are described as well as their possible string theory origins.

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