

A smörgåsbord of flavour in GUTs

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There are many open questions in high energy physics today, ranging from the origin of neutrino mass to the strong CP problem. In particular, there is no current frontrunner for a theory which explains the flavour mixing and mass hierarchies within the SM, though some of the most complete and realistic attempts are found among Flavour GUTs. I will review two such models, based on SU(5) and SO(10) with discrete flavour symmetries, and show how they may simultaneously resolve several open questions related to flavour, gauge coupling unification, and cosmology.

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