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S3 and Q6 as flavour symmetries in multi-Higgs models

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We present an overview of the flavour groups S3 and Q6 in models with an extended Higgs sector. We extend the S3 results to SU(5) Grand Unified theories with Q6 as flavour group. We find the generic form of the mass matrices both in the quark and lepton sectors, which are consistent with experimental data. We reproduce, according to current data, the mixing in the CKM matrix. In the leptonic sector, the neutrino mixing angles are also found, in good agreement with experimental data.

Author: MONDRAGON, Myriam (urn:Google)

Presenter: MONDRAGON, Myriam (urn:Google)

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