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D14 - a symmetry for quarks and leptons

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We construct a model in the framework of the MSSM in which the dihedral group D_{14} plays the role of the flavour symmetry. We show that in the quark sector the Cabibbo angle is predicted, $|V_{ud}| = \cos(\pi/14)$, and at the same time μ - τ symmetric mixing in the neutrino sector. The solar mixing angle is expected to be large. Charged fermion mass hierarchies are explained. The spectrum of light neutrinos is normally ordered with $m_1=0$.

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