

A T' flavour model for fermions and its phenomenology

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I will present a supersymmetric flavour model based on the T' discrete group, which explains fermion masses and mixings. The flavour symmetry, acting in the supersymmetric sector, provides well defined sfermion mass matrices and the resulting supersymmetric spectrum accounts for sufficiently light particles that could be seen at LHC. Furthermore, several FCNC processes are switched on and they can be useful to test the model in the present and future experiments. I will review the main results both for the lepton and for the quark sectors.

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