

## **Aspects of SO(10) unifications with extended matter sector**

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In SO(10) unifications with extended matter sector some of the drawbacks of the traditional models can be resolved. On one hand, it is easy to smear the down-quark - charged-lepton Yukawa degeneracy, yet without large Higgs representations. In the flipped variant, supersymmetric SO(10) can be broken down to the SM at the renormalizable level even with multiplets not bigger than the adjoint.

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