

# Proton decay in the minimal realistic SO(10) GUT

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The minimal realistic SO(10) model with adjoint representation causing GUT symmetry breaking is appealing candidate for realistic Grand Unified Theory. Moreover, the model allows one to make significant improvement in the proton lifetime error estimates due to the suppression of the potential gravitational effects influencing the GUT scale physics. We tackled the comprehensive numerical study of the proton decay width including one-loop quantum effects demanded by the physically relevant scenarios. The model's study was also challenged by the improved perturbativity constraints.

## Secondary track (number)

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