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Gauge-Higgs seesaw mechanism in 6-dimensional grand unification. (English) Zbl 07401468

Summary: SO(11) gauge-Higgs grand unification is formulated in the 6-dimensional hybrid warped space in which the 5th and 6th dimensions play as the electroweak and grand-unification dimensions. Fermions are introduced in $32$, $11$, and $1$ of SO(11). Small neutrino masses naturally emerge as a result of a new seesaw mechanism in the gauge-Higgs unification which is characterized by a $3 \times 3$ mass matrix.

MSC:
81-XX Quantum theory
83-XX Relativity and gravitational theory

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