

# Supersymmetry, the Higgs Mass and String Theory

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I discuss some implications of the measured value of the Higgs mass observed at CERN for the supersymmetric Standard Model. We point out that the measured value may be a hint for a very large scale of SUSY breaking, above  $10^{10}$  GeV. We also discuss how such a large value of the SUSY breaking scale is common in large classes of string compactifications consistent with an underlying SU(5) unification symmetry. A delicate fine-tuning of the Higgs mass parameters is required which could be motivated in the context of a large landscape of string vacua.