

SUPERSYMMETRY AND BEYOND FROM THE HIGGS BOSON TO THE NEW PHYSICS





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Supersymmetry Beyond Minimality: from Theory to Experiment provides an introduction to well-motivated examples of such non-minimal SUSY models, including the ingredients for generating neutrino masses and/or relaxing the tension with the heavily constraining Large Hadron Collider (LHC) data.

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### **Supersymmetry - Wikipedia**

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## **SUPERSYMMETRY LECTURE NOTES - Cornell University**

even supersymmetry as an underlying principle does not have to look exactly like we naive think it should look. It is a healthy development that theoretical physics has moved beyond its focus on the minimal supersymmetric ultraviolet extension of the Standard Model, while at the same time, not all

## **Physics Beyond the Standard Model: Supersymmetry - arXiv**

112.8 Massive neutrinos in weak-scale supersymmetry 112.8.1 The supersymmetric seesaw 112.8.2 R-parity-violating supersymmetry 112.9 Extensions beyond the MSSM 112.1. Introduction Supersymmetry (SUSY) is a generalization of the space-time symmetries of quantum field theory that transforms fermions into bosons and vice versa [1]. The existence of

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