

Title: Supersymmetry and a 125 GeV Higgs: What Next?

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Abstract: The Large Hadron Collider has been operating for more than a year and delivering exciting results. It has already excluded large parts of the parameter space for supersymmetry. If the hints of a Higgs boson at 125 GeV hold up, the implications for supersymmetry are even more profound. I will explain some of the consequences, including the failure of large classes of models like general gauge mediation to account for such a heavy Higgs. I will also discuss some ideas about how to look for scalar top quarks, which must be present in the low-energy spectrum for supersymmetry to be natural.

