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Higgs bosons in the Minimal Supersymmetric Standard Model (MSSM)

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Summary

The discovery of a Higgs boson in 2012 was a milestone in particle physics. Now the nature of this new particle is investigated by comparing the standard model (SM) with predictions of new physics beyond the SM. A popular and well-motivated new symmetry is supersymmetry. For example, the MSSM features an extended Higgs sector with 3 neutral and 2 charged physical Higgs bosons. In this talk, the effect of a mixture of several neutral Higgs bosons resulting in possible interference phenomena will be discussed.

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