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## The 125 GeV Higgs boson as the lightest Higgs in a general MSSM model with explicit CP-violation.

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We analyze the LHC experimental results in a general MSSM setup including CP violation where the resonance found at 125 GeV corresponds to the lightest Higgs. In this framework, we rule out the possibility of having a Higgs mass spectrum aside from that corresponding to the decoupling limit. LHC constraints in Higgs decay to tau-tau, together with that of gamma gamma, are enough to reach this conclusion. Moreover, the excess in the diphoton channel found at CMS, corresponding to a second resonance at  $m_H = 136$  GeV, proves to be complicated to accommodate in any minimal SUSY extension.

### Summary

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