XXIV Workshop on Weak Interactions and Neutrinos - WIN'13

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A modified naturalness principle and its experimental tests

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The naturalness principle motivated the theoretical expectation that light scalars cannot exist unless they come together with new physics that protects their lightness, such as supersymmetry. But LHC run I discovered the Higgs scalar without any sign of new physics. I review and reconsider the issue of naturalness, proposing a possible modification.

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