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Effective Higgs Lagrangian

The discovery of a Higgs-like boson, together with no hint of the existence of any additional new particle, makes us face with the problem of finding strategies to study the properties of the electroweak symmetry breaking sector. In this talk, the effective Lagrangian that describes a light Higgs-like boson will be reviewed, focusing on the reasonable case in which the Higgs-like particle is a CP-even scalar of an $SU(2)_L$ doublet. In this framework, the dimension-6 operators which encode the leading New Physics effects will be presented, highlighting in particular the strategy to determine whether the dynamics responsible for the electroweak symmetry breaking is weakly or strongly interacting.

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