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## Advances in the composite higgs model

In this work, it is proposed to investigate the composite Higgs scenario, in order to explain or solve problems presented by the standard model of elementary particle physics. For this, it is proposed to study in the first instance the problem of hierarchy and later build an effective Lagrangian through the formalism of Callan-Coleman-Wess-Zumino in the composite model. In this formalism, the Higgs does not arise as an elementary particle but as a pseudo-Nambu-Goldstone boson, that is, a compound produced through a spontaneous symmetry broken.

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