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# Confronting MultiHiggs models with experiment

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The Higgs particle was predicted in 1964 and discovered at CERN on July 2012, earning Higgs and Englert the 2013 Physics Nobel Prize. This is a spin zero particle (scalar), necessary to give masses to the all other massive particles in the Standard Model of Electroweak interactions. But, there is no fundamental reason why there should be only one such scalar. In this project, one wishes to confront Multi-Higgs models with current experimental data, possibly including models with extended gauge sectors.

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