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The minimal linear sigma model for the Goldstone Higgs

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In the context of the minimal $SO(5)$ linear $\{\sigma\}$ -model, a complete renormalizable Lagrangian -including gauge bosons and fermions- is considered, with the symmetry softly broken to $SO(4)$. The scalar sector describes both the electroweak Higgs doublet and the singlet $\{\sigma\}$. We analyze the phenomenological implications and constraints from precision observables and LHC data.

(arxiv.org/pdf/1603.05668v1)

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