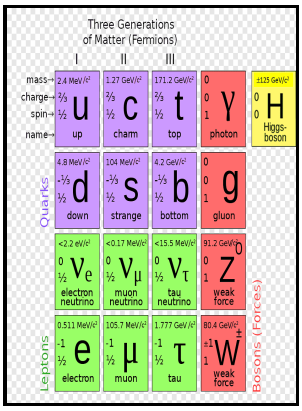
Standard Model Higgs Boson

North-Holland - Supersymmetric Higgs Production in Vector



Description: -
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Higgs bosons.Standard Model Higgs Boson
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Current physics--sources and comments ;Standard Model Higgs Boson
Notes: Includes bibliographical references (p. 381-390).
This edition was published in 1991

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Supersymmetric Higgs Production in Vector

The Standard Model leaves the mass of the Higgs boson as a to be measured, rather than a value to be calculated. As of 2018, in-depth research shows the particle continuing to behave in line with predictions for the Standard Model Higgs boson.

The Standard Model and Higgs physics

It is straightforward to extend the model to fit these data but there are many possibilities, so the mass are still.

Standard Model

In particular, values of the fields generally do not commute.

[0710.3755] The Standard Model Higgs boson as the inflaton

Journal of High Energy Physics.

The Standard Model and Higgs physics

The Standard Model explains such forces as resulting from matter particles , generally referred to as force mediating particles.

Supersymmetric Higgs Production in Vector

The W bosons can subsequently decay either into a quark and an antiquark or into a charged lepton and a neutrino. One known problem was that approaches, including models such as 1954 , which held great promise for unified theories, also seemed to predict known massive particles as massless.

[1207.7214] Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC

As a result, the more massive a single virtual particle is, the greater its energy, and therefore the shorter the distance it can travel. Effectively, is a limit of the regular Mexican hat Abelian Higgs model, where the vacuum expectation value H goes to infinity and the charge of the Higgs field goes to zero in such a way that their product stays fixed.

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