Scalars 2015

Contribution ID : 28

Conditions of positivity and unitrity in the most general 2HDM via measurable quantities

Content :

The well known conditions of positivity and unitrity in the 2HDM are written usually via parameters of potential λ_a which values cannot be obtained from measurements unambigously. We express these very conditions in terms of measurable quantities. These conditions cannot be checked soon since they include values of some triple and quartic Higgs couplings (with charged Higgs bosons).

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Session classification : --not yet classified--

Track classification : --not yet classified--

Type : --not specified--