

FlexibleDecay: An automated calculator of scalar decay widths

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We present FlexibleDecay - a tool to calculate decays of scalars in arbitrary BSM models.

BSM effects are taken into account at the leading order - meaning that for loop induced decays all one-loop BSM contributions are automatically included.

In case of scalar and pseudoscalar Higgs boson decays the known higher order SM QED, QCD and EW effects are taken into account where possible.

The code is implemented as an add-on to FlexibleSUSY spectrum-generator generator.

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