
SUSY-HIT (SUSpect-SdecaY-Hdecay-Interface)

MMM,Djouadi,Spira, hep-ph/0609292

- Fortran package **SUSY-HIT**:

HDECAY - Calculation of decay widths and BR's of MSSM Higgs bosons

SDECAY - Calculation of decay widths and BR's of SUSY particles

SUSPECT - Spectrum calculator, linked by default*

* Can be replaced by any spectrum calculator using the SUSY Les Houches Accord [Skands et al.](#)

- **Updated version:** 1.1 released 23 October 2007

- **Web page:**

<http://lappweb.in2p3.fr/~muehlleitner/SUSY-HIT/>

Updates

- **General:** Corrections of some small bugs in PDG codes, common blocks, read-in, write-out.
- **SDECAY - new version 1.3:** MMM,Djouadi,Mambrini
Decays into gravitino LSP within GMSB models now also calculated if SuSpect is not linked.
Addition of further decays within GMSB models.
- **HDECAY - new version 3.302:** Djouadi,Kalinowski,Spira
The new HDECAY version includes the fully massive (SUSY-)QCD corrections to Higgs $\rightarrow \gamma\gamma$
and the Δ_{m_b} effects in charged Higgs decays.
- **SuSpect - version 2.34:** Djouadi,Kneur,Moultaka
Small corrections (see “general” above).