

## Searches for light exotic scalars at the e<sup>+</sup>e<sup>-</sup> Higgs factory.

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The physics program of the future electron-positron Higgs factory will focus on the measurement of the 125 GeV Higgs boson, with the Higgs-strahlung process being the dominant production channel at 240-250 GeV. However, similar production of light exotic scalars, in a scalar-strahlung process, is still not excluded by the existing experimental data, provided their coupling to the SM gauge bosons is sufficiently small. This was selected as one of the focus topics of the ECFA Higgs/Top/EW factory study. Resulting from my analysis are the expected scalar production cross section limits from the search in the  $b\bar{b}$  decay channel, based on a full simulation of the International Large Detector (ILD), assuming 250 GeV ILC running scenario. I will also include results on the expected sensitivity in di-tau and invisible decay channels, as well as limits expected in the decay independent approach.

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