

New physics searches with 2-fermion final states

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New physics models such as Z' models or EWIMPs (via loop contribution) can be probed by the precise measurements of 2-fermion final states at Higgs factories and measuring dependence on fermions, polarization and angles can enhance the possibility of searching and identifying those models. We are studying qq and ll final states with 500 GeV ILC using ILD full simulation. The analysis methods as well as sensitivity to new physics will be presented in this talk.

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Classificazione della track: WG1-HTE - Physics Potential: Higgs, top, and electroweak