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Strange tagging with ILD full simulation and application to H→ss analysis

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Higgs to ss analysis is one of the ECFA HTE focused topics. We are working on the H→ss analysis using ILD full simulation based on a previous ILD study on H→bb/cc/gg branching ratio measurement and a latest DNN-based jet flavor tagging tool. This talk will focus on the application of strange tagging to the H→ss analysis including performance studies of strange tagging as well as results on H→ss sensitivity on ILD. Dependence on PID performance or detector configuration can be discussed as well.

(Details of analysis may be shown on a separate poster to be submitted by our student.)

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