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CPV Higgs mixing in VBF at 1 TeV ILC

There are no yet results on precision the CP violating Higgs mixing angle can be extracted in VBF at future Higgs factories. This is the first such study based on CP sensitive angular observable, using 1 ab-1 of simulated ILD data, at 1 TeV center of mass energy. The achievable experimental precision will be discussed in the light of goal sensitivity to 10% admixture of the CP-odd state.

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