

Resolving Degenerate 125 GeV Higgs Bosons

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The CP property of the 125 GeV Higgs boson remains a mystery nowadays, which implies the possibility of new physics. We consider a scenario that degenerated 125 GeV CP-even and CP-odd Higgs bosons in a CP conserving Lagrangian will contribute to nontrivial CP measurement. We use 2HDM as an example to show that DiHiggs production in future hadron and electron-positron colliders are potentially resolving such cases.

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