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Higgs Studies at Future Facilities

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The prospects for Higgs studies at future accelerators are reviewed. Detailed studies of the 126 GeV Higgs Boson are presented, including the measurement of the mass, the CP properties, the cross section times branching ratio for several Higgs production mechanisms and decay modes, the total cross section for Higgs production in association with the Z boson, and the invisible Higgs width. The extraction of the Higgs couplings and the total Higgs width from these measurements is examined. In addition, a survey of searches for Higgs Bosons beyond the Standard Model is presented. The following future facilities are considered: the Compact Linear Collider (CLIC), the International Linear Collider (ILC), the Muon Collider (μC), the Triple-Large Electron-Positron Collider (TLEP), and a 100 TeV proton-proton collider (VLHC).