

# Search for invisible Higgs decays at CMS

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This talk presents the CMS results on the search for a Higgs signal that decays to undetected particles. The particular signal of interest is a Z boson, decaying into charged leptons, produced in conjunction with an invisibly decaying Higgs boson. This search utilizes techniques of the measurement of the ZZ production cross section, where one Z decays into neutrinos and the other into charged leptons. This ZZ mode is an irreducible background to the invisible Higgs search, and the ZZ measurement results are discussed as well. This search uses the full LHC dataset of pp collisions at energies 7 and 8 TeV.

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