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Higgs to invisible searches

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Although the observed 125 GeV boson is so far compatible with the SM Higgs boson, non-SM properties cannot be ruled out. Assuming particle DM, invisible Higgs decays can be realized in models having interactions between the Higgs boson and dark matter, as for example, “Higgs-portal” models. This talk summarizes recent results from the CMS collaboration on invisible Higgs decays and outlines future prospects.

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