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Search for exotic and rare Higgs boson decays at CMS

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Recent results on searches for exotic production and rare decays of the Higgs boson $H(125)$ are presented. The current status of the searches for invisible and quasi invisible decays, decays to $J/\Psi + \text{Gamma}$, and lepton flavour violation ($\mu\mu$, $e\mu$, $\mu\tau$) decays of the boson will be reviewed, based on pp collision data collected at centre-of-mass energies of 7 and 8 TeV by the CMS collaboration at the LHC. Prospects will be given to extend these searches in the Run2 of the LHC.

Primary author: Prof. CMS, Collaboration (CINCO)

Presenter: Mr TROENDLE, Daniel (Uni Hamburg)

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