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Searches for Heavy Higgs bosons A, H, H⁺ and H⁺⁺ with the ATLAS detector

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Several theories beyond the Standard Model, like the 2HDM, predict the existence of high mass neutral and charged Higgs particles. Searches for such additional Higgs bosons have been performed in bosonic and fermionic decay modes of the additional Higgs bosons. This talk summarizes ATLAS searches for heavy Higgs boson resonances with LHC Run 2 data collected in 2015 and 2016.

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