

## H+HH combination @ ATLAS

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Constraints on the Higgs boson self-coupling are set by combining the the double-Higgs boson analyses with the single-Higgs boson analyses . The data used by these analyses were recorded by the ATLAS detector at the LHC in proton-proton collisions at  $s\sqrt{=13}$  TeV and corresponds to an integrated luminosity of 126-139 \ifb.

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