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## Measurement of simplified template cross sections in the $H \rightarrow \gamma\gamma$ decay channel with 13 TeV proton-proton collision data with the ATLAS detector

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This poster presents the measurement of the Higgs boson simplified template production cross sections in the diphoton decay channel, using data collected in 2015 and 2016 at  $\sqrt{s}=13$  TeV by the ATLAS experiment at LHC. Categories are defined to isolate various fiducial regions related to different production modes. In addition, the signal strength, defined as the ratio of the observed signal yield to the expected signal yield, is measured for those production processes as well as globally.

### Summary

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