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## Measurement of VBF Higgs boson production at $\sqrt{s}=13$ TeV in the diphoton final state with the ATLAS detector

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A measurement of the VBF production cross section, performed in the framework of the Higgs simplified template cross section measurement, is made at  $\sqrt{s}=13$  TeV exploiting the diphoton final state. The measurement uses the full pp collision data collected in 2015 and 2016 by the ATLAS experiment at the LHC. Special emphasis is given to the optimisation of the selection and the uncertainty estimation.

### Summary

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**Session Classification:** Posters