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## **Measurement of Properties of the Higgs boson in the diphoton channel using the ATLAS detector**

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**Abstract:** A detailed review of the latest results on the main properties of the Higgs boson in the diphoton channel, with the ATLAS detector using approximately 25 fb<sup>-1</sup> of pp collision data collected at 7 TeV and 8 TeV in 2011 and 2012, is given. The measurements discussed are the mass, couplings, and in the diphoton channel through various production processes.

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