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## Measurement of the $t\bar{t}H$ production cross-section in multi-leptonic final states in pp collisions at a centre-of-mass energy of 13 TeV with the ATLAS detector

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The Yukawa coupling of the Higgs boson to the top quark is a key parameter of the Standard Model. This coupling can be directly measured from the process of  $gg/q\bar{q} \rightarrow t\bar{t}H$ . And the multilepton channel is the most sensitive channel in this process. A search for  $t\bar{t}H$  production in multilepton final states has been performed with an integrated luminosity of  $80 \text{ fb}^{-1}$  at a centre-of-mass energy of 13 TeV. Results will be presented.

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