



# ATLAS NOTE

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### Nominal $H \rightarrow WW^{(*)} \rightarrow \ell\nu\ell\nu$ analysis with $13.0 \text{ fb}^{-1}$ of data collected with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$

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## Abstract

An excess of events was observed in the search for the Standard Model Higgs boson in the  $H \rightarrow WW^{(*)} \rightarrow \ell \nu \ell \nu$  channel using proton-proton collision data corresponding to an integrated luminosity of  $5.8 \text{ fb}^{-1}$ . The search has been updated using additional 2012 data, collected at a centre-of-mass energy of 8 TeV, with a total integrated luminosity of  $13.0 \text{ fb}^{-1}$ . The new data have been blinded so that improvements to the analysis could be made. This note describes the updated analysis and includes the new data.