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ATLAS search for the decay H->WW

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We report the recent results for the Standard Model Higgs Boson searches using 4.7 fb-1 of proton-proton collisions data at sqrt(s)=7TeV, recorded with

the ATLAS detector at the Large Hadron Collider. The analysis considers decay channels H->WW->lvly and H->WW->lvjj where l = (e or mu) with final

states containing charged leptons, jets, and missing transverse energy. The event selection, the background composition extraction methods and the

evaluation of systematics are detailed. No significant excess of events is observed over the expected background and limits on the Higgs boson

production cross section are derived for a Higgs boson mass in the range 100 GeV - 600 GeV.

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