

HH pair searches

with WW $\gamma\gamma$ final states

--- unblinding results ---

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CDS entry

<https://cds.cern.ch/record/1967498>

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Search for Higgs pair production with decays to WW and $\gamma\gamma$ in 20.3 fb^{-1}
proton-proton data at 8 TeV

Pvalues, significance

- runSig.C

	OBS wwyy significance	OBS bbyy significance	OBS wwyy+bbyy significance
260	1.12639	1.60329	1.95941
300	1.15937	2.85832	3.0845
350	1.15722	1.23452	1.6921
400	1.18105	-0.501464	1.2831
500	1.20869	-0.35459	1.25963
SM HH	1.18399	2.45451	2.72515