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Studies of the Higgs boson spin and parity using the gamma gamma, ZZ, and WW decay channels with the CMS detector

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Studies of the Higgs boson spin and parity are presented using data samples corresponding to the gamma gamma, ZZ, and WW decay channels. The analyses are based on pp collision data collected at centre-of-mass energies of 7 and 8 TeV, corresponding to integrated luminosities of approximately 5/fb and 20/fb, respectively. The data are compared to the expectations for a Standard Model Higgs boson, and for several alternative models.

Summary

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