

CMS results on central exclusive production

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Summary

We present a search for central exclusive diphoton production and the measurement of central exclusive dilepton production, based on a data sample recorded by the CMS experiment at the LHC in 2010 with low-pileup condition. An upper limit on the diphoton production cross section is set at 95% confidence level, and a comparison between the measurement and the QED prediction is discussed for dielectron production. The measured cross section of exclusive dimuon production is compared with the theoretical QED prediction evaluated with the event generator LPAIR.

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