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## Measurement of photon and diphoton production processes at CMS

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We present differential cross-section measurements of inclusive photon production, photon+jet production, and diphoton production in pp collisions based on data recorded by the CMS detector at the LHC. The associated production of a photon and one or more jets in pp collisions provides a direct probe into the hard QCD interaction, is sensitive to gluon densities in the proton, and is a major source of background to standard model searches. The measured distributions are corrected for efficiency and unfolded for detector effects are compared with event generators and theoretical predictions.

### Summary

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