

# Quark Matter 2019 - the XXVIIIth International Conference on Ultra-relativistic Nucleus-Nucleus Collisions



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## Isolated photon production in pp collisions at $\sqrt{s} = 13$ TeV measured with ALICE

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Direct photons from Compton and annihilation hard processes, produced in hard scatterings of partons from incoming nucleons, are unique colourless probes of QCD processes. The measurement provides a handle for testing perturbative QCD predictions and constrain the parton distribution functions.

In this contribution, we present the measurements of isolated photon cross section in pp collisions at  $\sqrt{s} = 13$  TeV using the data collected by the ALICE with a trigger based on electromagnetic calorimeters. Isolation criterion is applied to select direct photons and reduce contamination from decay and fragmentation photons. The result will be compared to theoretical calculations.

**Author:** XU, Ran (Central China Normal University CCNU (CN))

**Presenter:** XU, Ran (Central China Normal University CCNU (CN))

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