

## **Multiplicity dependence of direct photon production in pp collisions at $\sqrt{s} = 13$ TeV**

In this report, we report multiplicity dependence of direct photon production in pp collisions at  $\sqrt{s} = 13$  TeV. The purpose of this study is to investigate if thermalized system such as the quark-gluon plasma (QGP) is created even in the small colliding system.

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**Track Classification:** Experimental Nuclear Physics: Low and Intermediate Energies