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Search for single top quark production in association with a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC

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Measuring the cross-section of single top quark production in association with a photon ($tq\gamma$) is an important test for the Standard Model. However, this process has not been observed yet. It is sensitive to the top quark charge and its interactions with W^\pm bosons and photons. In this talk, I will present the status of ATLAS experiment's search for $tq\gamma$ production using 149 fb^{-1} of pp collision data collected in the LHC Run-2 data taking period at $\sqrt{s} = 13$ TeV.

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