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## Update on FCNC $t \rightarrow c \gamma$ at 380 GeV

*Tuesday, 29 August 2017 10:50 (20 minutes)*

In the Standard Model, FCNC top decays, are very strongly suppressed. Observing such a decay would be a direct signature of physics beyond the SM as large enhancements are possible in many “new physics” scenarios. A full simulation study for CLIC at 380 GeV based on a WHIZARD simulation of FCNC top decay  $t \rightarrow c \gamma$  within the 2HDM(III) model is performed. An update on this analysis including background suppression of standard top decay channels (cut based and TMVA) is presented, including a first estimate of the discovery limit.

15 minutes presentation + 5 minutes discussion

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