

# Prospect for top quark FCNC searches at the FCC-hh

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FCC-hh is a proposed future energy-frontier hadron collider, which goal is to provide high luminosity proton-proton collisions at a centre-of-mass energy of 100 TeV. The FCC-hh has an extremely rich physics program ranging from standard model (SM) measurements to direct searches for physics beyond the standard model (BSM). Among processes sensitive to new physics are Flavour-Changing Neutral Currents (FCNC) which extremely rare within the SM but have enhanced behaviour in several BSM scenarios. In this report we present the results of projections of FCNC searches in top quark interactions to the FCC-hh conditions based on Monte-Carlo simulation of FCC-hh detector.

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