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Top quark flavor changing neutral currents at future linear colliders

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In this talk, I will discuss the potential discovery of top quark flavor changing neutral current (FCNC) at future linear colliders (LCs). First, I will discuss the theoretical predictions in a class of simplified dark matter models where the rates of top quark FCNC decays are generated by dark-sector particles. I will then discuss the sensitivity of the LCs on the top quark FCNC for some channels and some benchmark center-of-mass energies.

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