## A Study of Top Anomalous Couplings at the FCC-ee

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The FCC-ee as one of the proposed future  $e^+e^-$  colliders offers indirect sensitivity to new physics at an unprecedented precision. The couplings of the top quark are of particular interest as it is the heaviest particle in the entire Standard Model suggesting it might couple more strongly to BSM fields. In this study, the expected sensitivity to top anomalous couplings at the FCC-ee is determined. The sensitivity is gauged in the semileptonic channel for top pair produced events in simulated datasets generated with FCCSW in the experimental environment of the IDEA detector at  $\sqrt{s}$  = 365 GeV. Jet performance studies consider various jet definitions with work flowing back into FCCAnalyses to reevaluate jet tools in future works. Event reconstruction is performed, an event selection developed, and a kinematic fit is applied using a software package written in connection with the analysis. The 1sigma confidence intervals are determined for a minimal set of top anomalous couplings. The intervals are found from the observables of angular distributions and total cross sections for each coupling separately.

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