

t-kuarkın Anomal Etkileşmelerinin TeV Enerjili Çarpıştırıcılarda Aranması

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We have analyzed the process $e-p \rightarrow e-W\pm q+X$ with the signature including one isolated electron and one b-jet together with two jets in the final state. We obtain upper limits on the top quark FCNC couplings including the detector effects through the fast simulation using FCC-eh and LHeC collider options.

We have also studied anomalous single top quark production at the LHeC based colliders. We calculated the cross section for different center-of-mass energies of proton (3.5 TeV, 5 TeV and 7 TeV) and energy of e^- is 70 GeV. We obtained limits on and which are better than LHC.

Primary author: TÜRK ÇAKIR, İlkay (Giresun Üniversitesi)

Co-authors: Mr YILMAZ, Ali; ÇAKIR, Orhan (Ankara University (TR)); Prof. DENİZLİ, Haluk (Abant İzzet Baysal University); SENOL, Abdulkadir (Abant İzzet Baysal University); SULTANSOY, Saleh (TOBB ETU (TR))

Presenter: TÜRK ÇAKIR, İlkay (Giresun Üniversitesi)