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The Top-Charm Associated Production Within the R-Parity Violating Supersymmetric Model in Photon-Proton Collisions

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Abstract: The top-charm associated production with the effects from both B- and L-violating interactions in TeV scale photon-proton collisions is investigated in the framework of R_p minimal supersymmetric standard model. Within the bounds on the relevant R-parity violating couplings, the total cross section will reach the order of 10 fb in some parts of the parameter space.

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