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### Probing anomalous top quark couplings in diffractive events at the LHC

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We investigated the impact of anomalous chromomagnetic and chromoelectric dipole moments on the top pair production in diffractive events at the LHC. The exclusive diffractive production of top quarks provide clean environment due to having one proton intact. We found that the effect of these corrections is remarkable in  $pp \rightarrow p\gamma p \rightarrow p t\bar{t} X$  processes.

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