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SUSY Effects in t - t bar Production in the CP-Violating MSSM at the LHC

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We study the CP violating MSSM one loop contributions to top pair production in hadronic collisions. We focus on the SUSY electroweak and QCD contributions to the two main mechanisms of the top pair quark production at the LHC, q - q bar annihilation and gluon fusion. We present preliminary results on the total production cross section and kinematic distributions.

Primary authors: MORENO BRICENO, Alexander (SUNY at Buffalo/Universidad Antonio Narino); SCHANZ, Ansgar (Karlsruhe Institute of Technology (KIT)); Dr WACKEROTH, Doreen (SUNY at Buffalo); Dr MUHLLEITNER, Margarete (Karlsruhe Institute of Technology (KIT))

Presenter: MORENO BRICENO, Alexander (SUNY at Buffalo/Universidad Antonio Narino)

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