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## On mass limits for scalar color octet from the LHC data on $t\bar{t}t\bar{t}$ and $t\bar{t}b\bar{b}$ production.

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The contributions to the cross sections  $t\bar{t}t\bar{t}$  and  $t\bar{t}b\bar{b}$  production at the LHC from color scalar octets (scalar gluons)  $F_a$  predicted by the minimal model with four color quark-lepton symmetry are calculated. From current LHC data on total cross section of  $t\bar{t}t\bar{t}$  and  $t\bar{t}b\bar{b}$  production we found the mass limits on color scalar octets  $F_a$ .

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