Contribution ID : **695** Type : **Oral talk**

On mass limits for scalar color octet from the LHC data on tttt and tbtb production.

Wednesday, 7 October 2020 12:00 (15)

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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