

Light Staus and Enhanced Higgs Diphoton Rate in SUSY SO(10) Yukawa Unification

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In SUSY SO(10) GUT the top, bottom and tau Yukawa couplings unify at the GUT scale. It is shown that in a MSSM scenario restricted by top-bottom-tau Yukawa unification and the SO(10) gauge symmetry the low-energy SUSY spectrum may consist of the 125 GeV Higgs and light, strongly-mixed staus leading to enhanced Higgs diphoton rate.

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