

Institut Ruđer Bošković
ZAVOD ZA TEORIJSKU FIZIKU
Bijenička c. 54
ZAGREB, HRVATSKA

SEMINAR ZAVODA ZA TEORIJSKU FIZIKU
(Zajednički seminari Zavoda za teorijsku fiziku,
Zavoda za eksperimentalnu fiziku IRB-a i Fizičkog odsjeka PMF-a)

Higgs boson(s) in the constrained mLRSM model

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Datum: srijeda, 30. rujna 2015.

Vrijeme : **14:00 sati c.t.**

Mjesto: IRB, dvorana I krilo

Abstract:

We discuss the scalar sector of the minimal Left-Right symmetric model, pointing out the relevant theoretical constraints on the parameter space from perturbativity, matched with the known bounds from low energy processes. As a consequence, the anatomy of the Higgs boson(s) is drawn in the model, giving rise to a possible new mechanism to probe the origin of the neutrino masses at the LHC, even in the case the second boson is quite heavy.

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