**The LHC limits for the Higgs sector of the tBESS Lagrangian**

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Even though the LHC experiments ATLAS and CMS achieved a spectacular success by discovering the 125 GeV Higgs boson it was more the beginning rather than the end of the struggle to uncover the character of physics beyond the SM. It has not even been settled down yet whether new physics

takes the form of weakly coupled supersymmetry or strongly coupled composites. In this work, we consider the effective theory describing possible early signs of strongly-interacting physics beyond the SM. We work with the vision where the Higgs boson is a scalar composite state followed in the mass hierarchy by a vector composite SU(2) triplet state. The question we address concerns a possible structure of the interactions between the new vector triplet and the Higgs boson and the limits for the couplings that can be derived from the existing LHC measurements.

Forma prezentácie: prednáška