Particle Theory Seminar

J. Santiago

ETH Zürich

"Realistic composite Higgs models:
constraints and phenomenological implications"

Thursday, June 26, 2008, 11:30

WBGB/021

Abstract:

Composite Higgs models offer an attractive solution of the hierarchy problem. Some of the main constraints and phenomenological implications of such models can be obtained with great generality by use of an effective lagrangian approach. Based on this approach, we review the main features of realistic composite models and show that they can easily be compatible with all relevant experimental data. We will then describe some specific realizations based on five-dimensional models and discuss some of the related collider phenomenology.