

BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA



**INSTITUTO DE FÍSICA
“Luis Rivera Terrazas”**



S E M I N A R I O

**“Testing a 4D Composite Higgs model at
the LHC and a LC”**

Prof. Stefano Moretti

NExT Institute, Southampton & RAL, UK.

We explain the current Large Hadron Collider (LHC) data pointing to the discovery of a neutral Higgs boson in the context of a 4-Dimensional Composite Higgs Model (4DCHM). The full particle spectrum of this scenario is derived without any approximation and implemented in automated computational tools to enable fast phenomenological investigation. Several parameter configurations compliant with experimental constraints are presented and discussed. A χ^2 fit to the LHC data quantifying the consistency of the 4DCHM as a whole with experimental evidence is finally performed.

Auditorio-IFUAP

Viernes 18 de Octubre de 2013

13:00 Hrs.