

Exploring the Tensor Structure of the Higgs boson Coupling to Weak Bosons

Speaker: Prof. Bruce Mellado (University of the Witwatersrand)

Time: 11:00 am, August 28, 2014

Place: Room B324

Organized by the Experimental Physics Division

Abstract:

With the discovery of a Higgs boson at the LHC a long term program for the exploration of this new particle has just started. So far the size of the couplings seems to be consistent with those predicted by the Standard Model (SM). However, new physics beyond the SM may be hidden while providing coupling strengths similar to the SM. The exploration of the tensor structure of the Higgs boson coupling to Weak Bosons is a unique window of opportunity to uncover new physics beyond the SM. Techniques to perform this exploration at the LHC and the LHeC will be reviewed in the light of recent publications.

*****Food and drinks will be served after the seminar.*****