



Graduate Physics Seminar
Friday, 9 March 2012 from 3 PM
University of Nova Gorica
Vipavska 13, Rozna dolina, Nova Gorica
P-1 Lecture room

Prof. Dr. James Wells

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The Higgs Boson as a Bridge to Hidden Worlds

Abstract

The Higgs boson is well-known to be the possible answer for what gives mass to all elementary particles. However, its peculiar nature of being spinless enables it also to potentially serve as a bridge to new states, or 'hidden worlds', that have so far been inaccessible by any other means. Implications for Higgs boson searches at CERN LHC are discussed, as well as implications for discovery of new physics in the coming decades.