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Type: **Poster Presentation**

Anomalous Higgs Couplings

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**Abstract content
 (Max 300 words)**

With the discovery of a Higgs boson at the LHC a new era in particle physics opens up. The Vector Boson Fusion (VBF) production mechanism provides an invaluable opportunity to explore the spin-CP of the Higgs boson. It has been recently pointed out (A. Djouadi, R.M. Godbole, B. Mellado, K. Mohan <http://arxiv.org/abs/arXiv:1301.4965>) that new physics in the HVV vertex implies strong variations in the acceptance of the Higgs boson observation with the VBF production mechanism. Phenomenology results for ep and pp collisions will be shown.

**Apply to be
 considered for a student
 award (Yes / No)?**

No

**Main supervisor (name and email)
and his / her institution**

Bruce Mellado, (bmellado@mail.cern.ch), Associate Professor in the School of Physics Wits

**Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?**

No

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