## Physics at LHC 2012



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## \*A\* Higgs or \*The\* Higgs?

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Accurate determination of Higgs properties at the LHC can help to identify the particle's origins in theory space and will provide crucial consistency checks for any bigger picture into which such a state might fit. We can already make progress in this effort using the searches and data provided for the SM-like Higgs, employing straightforward techniques to construct exclusions in very generic parameter spaces. Bottom-up approaches like the ones discussed here will be crucial for assessing the precise role of a scalar field discovered at the LHC, and can reveal whether or not the consistency of our theories will require the intervention of other new physics at accessible scales.

## <strong>E-mail Address</strong>

jamison.galloway@gmail.com

Author: GALLOWAY, Jamison (Rome La Sapienza)

Presenter: GALLOWAY, Jamison (Rome La Sapienza)

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