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The Status of the LHC Higgs Programme

The LHC Higgs programme has been spectacularly successful in discovering what has been variously called 'A new boson', 'a Higgs-like boson' and 'a Higgs boson' even while the machine was running well below design energy. But what do we really know about this particle? Why don't we just call it 'The Higgs boson', and will we ever do so? And what can it tell us about the remaining mysteries such as Dark Matter?

Bill Murray has been closely involved with this search with the ATLAS experiment at CERN's LHC, and this talk contains the latest results on all these questions.

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