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The 4D Composite Higgs model and the 125 GeV Higgs like signal at the LHC

General Composite Higgs models provide an elegant solution to the hierarchy problem present in the Standard Model (SM) and give an alternative pattern leading to the mechanism of electroweak symmetry breaking (EWSB).

We present a recently proposed realistic realization of this general idea analyzing in detail the Higgs production and decay modes.

Comparing them with the latest Large Hadron Collider (LHC) data we show that the 4D Composite Higgs Model (4DCHM)

could provide a better explanation than the SM to the LHC results pointing to the discovery of a Higgs like particle at 125 GeV.

Primary author: Mr BARDUCCI, Daniele (University of Southampton / NExT Institute)

Co-authors: Dr BELYAEV, Alexander (STFC - Science & Technology Facilities Council (GB)); PRUNA, Giovanni Marco; BROWN, Matthew (University of Southampton); DE CURTIS, Stefania (Universita e INFN (IT)); Prof. MORETTI, Stefano (STFC - Science & Technology Facilities Council (GB))

Presenter: Mr BARDUCCI, Daniele (University of Southampton / NExT Institute)

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