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Beyond-the-Standard Model Higgs Physics using the ATLAS Experiment

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The discovery of a Higgs-like boson with a mass of about 125 GeV has prompted the question of whether or not this particle is part of a much larger and more complex Higgs sector than that envisioned in the Standard Model. In this talk, the current results from the ATLAS Experiment regarding Beyond-the-Standard Model (BSM) Higgs hypothesis tests are outlined. Searches for additional Higgs bosons are presented and interpreted in well-motivated BSM Higgs frameworks, such as two-Higgs-doublet Models and the Minimal Supersymmetric Standard Model.

Author: PELIKAN, Daniel (Uppsala University (SE))Presenter: PELIKAN, Daniel (Uppsala University (SE))Session Classification: BSM Higgs IV