

# Scalars 2015

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## FIMP/SWIMP Dark Matter at LHC

**Content :**

We will present a simple model of decaying DM, where the DM population is generated from the decay of an exotic scalar particle, charged under the Standard Model gauge group and in equilibrium in the early universe. The phenomenology of the model at the LHC and the connection to DM indirect detection will be discussed, especially for the region of parameter space compatible with FIMP/SWIMP production.

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