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Inert Model and evolution of the Universe

We consider evolution of the Universe after EWSB leading to the present Inert phase, containing a SM-like Higgs boson and scalar dark particles among them a Dark Matter candidate. In particular we address the question, whether there is a possibility to have a sequence of the phase transitions instead of a single one leading directly from EW symmetric phase to the Inert one. The phenomenological consequences of various options will be discussed.

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