

Signs for a FOEWPT at the LHC?!

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We discuss the possibility of a First Order Electroweak Phase Transition (FOEWPT) in the early universe, as required for EW baryogenesis, in the framework of the 2HDM. One corresponding prediction, the decay $A \rightarrow ZH$ with $H \rightarrow t\bar{t}$ may have been observed at the LHC. We present the phenomenological consequences for the detection of gravitational waves at LISA, as well as the prospects for the HL-LHC.

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