

## Poster: Leptogenesis in the superweak extension of the standard model

In this contribution we investigate the viability of leptogenesis in the superweak extension of the standard model. We focus on the parameter space of the model with relatively light sterile neutrinos with masses comparable to the electroweak scale and a new singlet scalar that is heavier than the Higgs boson. We present a comprehensible analysis of leptogenesis within the model with interaction rates and the evolution of the vacuum expectation values of the scalar sector evaluated at finite temperature.

Based on yet unpublished results and *JHEP* **04** (2023) 096.

**Would you be interested in presenting a poster? (this will not impact the decision on your talk)**

yes

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**Session Classification:** Reception and Poster Session