

Global constraints of the electroweak-ino sector of the MSSM with SModelS 2.3

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Reinterpretations of LHC searches are typically done in a channel-by-channel approach, considering the constraints from each experimental search separately. In this presentation, we go a step further and discuss how combining LHC search results into a global likelihood can give better and statistically more robust constraints on the tested models. Concretely, our analysis focuses on the electroweakino sector of the MSSM, for which we derive global constraints based on the ~10 publicly available and reusable ATLAS and CMS searches for signals in this sector through the SModelS package.

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