Contribution ID: **70**   Type: **Non-Invited Talk**

SModelS - Going beyond missing energy

Wednesday 28 November 2018 15:40 (25 minutes)

I will present the latest update of SModels code capable of handling beyond Missing energy final state signatures by means of an object oriented framework. The modification facilitates integrating the particles' quantum properties which are imperative to investigate beyond missing energy signatures. Furthermore, I will present the improved database of experimental results which is extended by adding the latest results from the LHC including searches for Heavy Stable Charged Particles (HSCP). On the basis of these developments I will exemplify the impact of this new SModelS version on new physics scenarios.

Content of the contribution

Both

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Session Classification: New results from LHC, new facilities

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