

# Usage of full likelihoods in reinterpretation studies

*Tuesday 5 December 2023 16:00 (30 minutes)*

In this talk, we will provide an overview of the usage of full likelihoods through pyhf package within LHC reinterpretation studies and software such as MadAnalysis 5, SModelS and spey. We will also provide a summary of future directions involving pyhf package, such as the combination of statistical models, simplified likelihoods via ML approaches and converting full statistical models to a simplified likelihood framework.

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**Session Classification:** Users Section