

WorkspaceExplorer: Web-based visualisation of full likelihoods

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In recent years, LHC experiments are increasingly publishing the full likelihood models for statistical analysis in HEPData. For the purpose of reproducing and reinterpreting such analyses, it is essential to understand the contents of these statistical workspaces. As part of the validation process for an ATLAS combination of searches for Beyond-Standard-Model particles, I have developed an open-access web-based interface to easily and quickly visualise workspace contents and perform fits, called “WorkspaceExplorer”, which is freely available at workspaceexplorer.app.cern.ch. In addition to validation, it can be a convenient tool for exploration of unfamiliar statistical models, lowering the barrier for using these for reinterpretations. In this talk, I will present available features and discuss possible use cases for the tool as well as the potential for further developments.

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