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WorkspaceExplorer

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pyhf, in combination with cabinetry, has been used successfully in a statistical combination of searches for Beyond-Standard-Model particles by the ATLAS Combination. Since for the individual searches various different frameworks were used to perform the statistical analysis, an essential part of the combination effort consisted of validating the statistical workspaces after they had been converted into the pyhf format for full likelihoods. As part of the validation process, I developed a web-based interface to easily and quickly visualise workspace contents and perform fits. This so-called WorkspaceExplorer is available at workspace-explorer.app.cern.ch. In addition to validation, it can for example also serve educational purposes or aid in exploration of unfamiliar statistical models. 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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