

## Using CheckMATE and FRITZ to set automatised LHC constraints

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CheckMATE is a framework that allows the user to conveniently test simulated BSM physics events against current LHC data in order to derive exclusion limits. For this purpose, the data runs through a detector simulation and is then processed by a user chosen number of experimental analyses. These analyses determine event predictions of the signal for various kinematic regions of interest that can be compared to the experimental data with different statistical tools. The talk will illustrate the main aspects of the tool, discuss the most recent implemented features and gives an outlook on future developments.

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