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## Extending RECAST for truth-level analysis reinterpretations

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RECAST is an analysis reinterpretation framework; since analyses are often sensitive to a range of models, RECAST can be used to constrain the plethora of theoretical models without the significant investment required for a new analysis. However, experiment-specific full simulation is still computationally expensive. Thus, to facilitate rapid exploration, RECAST has been extended to truth-level reinterpretations, interfacing with existing systems such as RIVET. To illustrate this new functionality, RECAST is used to perform a search for a generic scalar dark mediator model via t-channel production.

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