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Global fits of simplified dark matter models with GAMBIT

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Simplified dark matter models are a form of effective theory that offer search targets for both low-energy dark matter and high-energy collider experiments. In this talk I will discuss several global fits of simplified dark matter models with GAMBIT, focussing on four different models all coupled to the Standard Model by a spin-1 vector mediator. For one of these models, I will also discuss how unitarity violation in the high-energy limit of the theory impacts global fits.

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