

## **Light mediator models**

Light mediator models have recently garnered significant attention due to their testability in a range of current and upcoming low-energy experiments. These models offer explanations for anomalous experimental results, such as the muon's anomalous magnetic moments and the excess events observed in MiniBooNE. Additionally, certain light mediator models make compelling predictions for reactor neutrino experiments and dark matter direct detection experiments. In this talk, we will focus on a few specific models involving light scalar and vector mediator fields.

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