

# Generalized Neutrino Interactions in low and high energy experiments

## Content

Exotic neutrino interactions arising from heavy new physics have been widely studied and searched for in different neutrino experiments. These can be studied in a model-independent framework by considering all the couplings allowed by the effective field theory (vector, axial, scalar, pseudoscalar, and tensor couplings).

In this talk, we will highlight the theoretical motivations for studying such interactions and discuss their implications on neutrino cross-sections at different energy scales. We will also present the current constraints set by low and high energy experiments such as COHERENT, TEXONO, CHARM, NuTeV, and the future experiments SBC and FASER $\nu$ .

## Summary

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