

## Constraining nonstandard neutrino-electron interactions

*Friday, July 17, 2009 5:30 PM (20 minutes)*

There is currently a strong effort to build models containing the neutrino mass pattern observed in recent experiments. Most of these models implies nonstandard interactions that can be parametrized in terms of effective four-fermion operators in the low-energy limit. In this talk I will show the status of some of the constraints to these parameters obtained from reactor, accelerator, and solar neutrino data. I will also discuss the perspectives of some experimental proposals to improve these bounds. I will concentrate mainly on the nonstandard interaction of the neutrino with electrons.

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