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Tipo: oral

## Non-Standard Neutrino Interactions

*giovedì 14 ottobre 2010 11:35 (30 minuti)*

In this talk I will introduce the neutrino Non Standard Interactions (NSI) formalism, a very convenient and widespread way of parameterizing the effects of new physics in neutrino oscillations.

I will review the present bounds on NSI both from a model independent point of view and in particular realizations emphasizing the role played by processes related to NSI by gauge invariance in setting these bounds.

I will also discuss the prospects to observe such NSI at prospective neutrino oscillation facilities.

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**Classifica Sessioni:** Neutrino Physics