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New Physics in the Lepton sector from future Neutrino experiments

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The phenomenon of Neutrino Oscillation has been very well confirmed by a plethora of data; we are now entering a precision era in which the mixing angles and mass differences are going to be measured with unprecedented precision by ongoing and planned experiments. However, the new measurements could reveal that the standard three flavor scenario is not enough for a complete description of oscillations and a new paradigm beyond the standard physics in the lepton sector must be invoked. In this talk I will review the current experimental situation on neutrino masses and mixing and discuss some example of physics beyond the Standard Model that could show up in the next years.

Collaboration name

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Classifica Sessioni: Non Standard Interactions

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