



ID de Contribution: 59

Type: **Ordinary**

Oscillations Beyond Three-Neutrino Mixing

vendredi 24 mars 2017 18:00 (15 minutes)

I review the experimental indications in favor of short-baseline neutrino oscillations. I discuss their interpretation in the framework of neutrino mixing schemes with one or more sterile neutrinos which have masses around the eV scale. I present arguments in favor of effective 3+1 neutrino mixing with one sterile neutrino at the eV scale. I present the results of the updated 3+1 global fit including the recent MINOS, IceCube and NEOS data. I discuss the implications for future neutrino oscillations experiments.

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Classification de Session: Neutrinos & Astroparticles (cont)

Classification de thématique: Theory