

Short baseline neutrino anomalies

Wednesday, 21 December 2016 10:00 (1 hour)

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 discuss the implications for future neutrino oscillations experiments and for the experiments sensitive to the absolute values of neutrino masses (beta decay, neutrinoless double-beta decay and cosmology).

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