



Dipartimento di Fisica
Università di Cagliari
INFN, Sezione di Cagliari



HIGH ENERGY PHYSICS COLLOQUIA

16 novembre 2016 · ore 15:00 · aula C

Carlo Giunti
INFN, Torino

SHORT-BASELINE NEUTRINO OSCILLATION ANOMALIES AND LIGHT STERILE NEUTRINOS

Abstract

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).

Contatti:

M. Cadeddu (matteo.cadeddu@ca.infn.it)

Mailing list: <https://lists.ca.infn.it/sympa/info/hep-colloquia>

