



Graduate Physics Seminar
19 April 2013 from 2PM
University of Nova Gorica
Vipavska 13, Rožna dolina, Nova Gorica
SP-1 Lecture room

Dr. Carlo Giunti

INFN Torino

Phenomenology of 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. Taking into account also cosmological constraints, I present arguments in favor of 3+1 neutrino mixing with one sterile neutrino at the eV scale.