



SEMINARIO

GRUPO FÍSICA DE ALTAS ENERGÍAS

"Inverse See-Saw Mechanism with S_3 Flavor Symmetry"

Profesor Juan Carlos Gómez Izquierdo
(Instituto Politécnico Nacional, México)

Abstract

Cobimaximal mixing predicts $\pi/4$ and $3\pi/2$ for the atmospheric angle and the Dirac CP-violating phase, respectively. These values are in tension with the neutrino global fits. If this pattern was behind the lepton mixings, then it would have to be broken. In my presentation, I discuss the S_3 flavor symmetry within the $B-L$ gauge model where the Cobimaximal pattern comes from the neutrino sector but the charged lepton contribution breaks the well known predictions so the mixing observables can be accommodated quite well according to the available data. In addition to this, some phenomenological aspects as neutrinoless double beta decay and lepton decays will be commented.

MIÉRCOLES 07 de Agosto de 2024

a las 14:30 hrs. (Chile Continental)

*Sala de Conferencias Dr. Luciano Laroze
(Edificio E, 3er. Piso – Depto. de Física)*