



SEMINARIO

GRUPO FÍSICA DE ALTAS ENERGÍAS

"Neutrino Majorana mass generation in the early universe"

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Abstract

In the talk I will discuss how the generation of neutrino Majorana mass can have different implications in the early universe. If this is associated to a first order phase transition a gravitational wave production becomes possible and can give a signal. I will show how in this case having a multiple majoron model can enhance the signal. I will also discuss how a low scale Majorana mass generation can help addressing different cosmological anomalies/tensions. In particular, it might be related to the instability of cosmic neutrinos and explain the excess radio background detected by ARCADE and the putative anomalous 21 cm global signal claimed by EDGES.

MIÉRCOLES 29 de Mayo de 2024
a las 12:00 hrs. (Chile Continental)

Join Zoom Meeting

<https://reuna.zoom.us/j/87161425888?pwd=MFZUFNQnI4MXo1QzFLdGpJblllZz09>

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