



SEMINARIO

GRUPO FÍSICA DE ALTAS ENERGÍAS

"Exploring long-lived heavy neutral leptons at the LHC"

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Abstract

In recent years, the search for long-lived particles, particularly heavy neutral leptons (HNLs), has gathered significant interest within the particle physics community. In this seminar, we will examine various theoretical frameworks for describing HNL interactions, namely the minimal scenario where HNLs interact with the SM through mixing with active neutrinos, and non-minimal extensions employing effective field theories (EFTs). We will explore the collider phenomenology of GeV-scale HNLs in both scenarios, discussing the sensitivity prospects of the HL-LHC for probing these long-lived HNLs.

MIÉRCOLES 12 de Junio de 2024
a las 14:30 hrs. (Chile Continental)

Join Zoom Meeting

<https://reuna.zoom.us/j/87161425888?pwd=MWFZUFNQSnI4MXo1QzFLdGpJblllZz09>

ID de reunión: 871 61425888
Código de acceso 100126