

Seminário, Segunda 16/06/2025 16:00h

Local: Auditório DRCC

Gustavo Figueiredo Severiano Alves (USP)

Title: New limits on  $W_R$  from meson decays.

Abstract: In this talk we will discuss how to use pseudoscalar meson leptonic decay data to set stringent limits on the mass of a right-handed vector boson, such as the one that appears in Left-Right symmetric models. For heavy neutral leptons in the mass range  $50 < m_N / \text{MeV} < 1900$  one can constraint  $m_{\{WR\}} > (4 - 19) \text{ TeV}$  at 90% CL. This provides the most stringent experimental limits on the  $W_R$  mass to date for this HNL mass range.