

Lepton flavor and number violating $K \rightarrow \pi \nu \bar{\nu}$ decays

Tuesday 15 October 2024 14:30 (15 minutes)

The rare decays $K \rightarrow \pi \nu \bar{\nu}$ are crucial for exploring physics beyond the Standard Model. Our investigation focuses on these decays in the context of scalar leptoquarks, exploring both lepton flavor conserving and violating channels. Furthermore, we explore the potential to detect lepton number violating operators in $K \rightarrow \pi \nu \bar{\nu}$ decays.

Track type

Flavour Physics

Author: SAHOO, Suchismita

Co-author: YADAV, AJAY KUMAR (Central University of Karnataka, Kalaburgi, India)

Presenter: SAHOO, Suchismita

Session Classification: Parallel - Flavour