

# Dirac neutrino masses and meson decay anomalies with leptoquarks

*Wednesday, 5 June 2024 14:30 (30 minutes)*

In this talk we will discuss the phenomenology of neutrino mass models where leptoquarks mediate the generation of Dirac mass terms. The presence of leptoquarks that couple to all generations of quarks and leptons can have interesting consequences for meson decays. In particular the  $R_D, R_{D^*}$  anomalies can be addressed, as well as the recent observation by Belle-II of an excess in the  $B \rightarrow K + \text{inv}$  decay rate.

## Please choose your flavour

Leptons

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**Session Classification:** Lepton Flavours