## The XXVIII International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2021)



Contribution ID: 255 Type: not specified

## $B \to K \nu \bar{\nu}$ measurements and beyond the Standard Model theories

Friday 27 August 2021 17:20 (20 minutes)

Semileptonic flavor changing neutral current transitions with a pair of neutrinos in the final state are very accurately determined in the standard model. The most recent Belle II result on  $B \to K \nu \bar{\nu}$  uses an innovative inclusive tagging technique; this together with previous BaBar and Belle results indicates a possible enhancement in the branching fraction of  $B^+ \to K^+ \nu \bar{\nu}$ . We have explored the possibilities of such an enhancement as a signal of new physics within several scenarios such as leptoquark and generic Z' models, which can also explain some of the other tensions observed in neutral as well as charged current B-decays.

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Session Classification: Flavor Physics and CP Violation

Track Classification: Flavor Physics and CP Violation