

## Revisiting $B \rightarrow K^*(\rightarrow K\pi)\nu\nu^-$ decays

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The rare decay  $B \rightarrow K^*(\rightarrow K\pi)\nu\nu^-$  is expected to play an important role in searches for physics beyond the Standard Model at the near future B-physics experiments. We investigate resonant and non-resonant backgrounds that arise beyond the narrow-width approximation for the  $K^*$ .

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