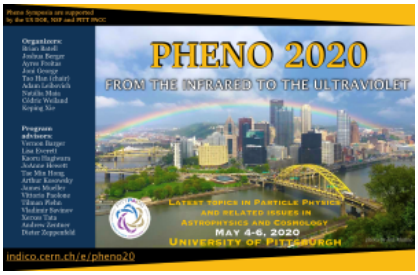

Contribution ID: **907** Type: **Parallel Talk**

Searches for exotics decays with NA62

Tuesday 5 May 2020 15:15 (15 minutes)

The NA62 experiment at the CERN SPS is designed to measure the branching ratio of the $K^+ \to \pi^+ \nu\bar{\nu}$ decay, one of the best candidates to reveal indirect effects of new physics at the highest mass scales. NA62 took data in 2016-2018. High-intensity setup and detector performance make NA62 particularly suited for searching new-physics effects from different scenarios involving feebly interacting particles in the MeV—GeV mass range: heavy-neutral leptons, axion-like particles, and others. The results from the analysis of data taken with dedicated setup and triggers developed to this purpose will be highlighted.

Summary

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