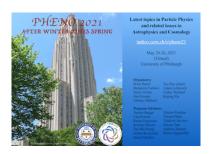
Phenomenology 2021 Symposium



Contribution ID: 1235 Type: Neutrinos

Search for heavy neutral lepton production at the NA62 experiment

Tuesday, 25 May 2021 16:30 (15 minutes)

Searches for heavy neutral lepton production in $K+\to e+N$ and $K+\to \boxtimes +N$ decays using the data set collected by the NA62 experiment at CERN in 2016-18 are presented. Upper limits on the elements of the extended neutrino mixing matrix |Ue4|2 and $|U\boxtimes 4|2$ are established at the levels of 10-9 and 10-8, respectively, improving on the earlier searches for heavy neutral lepton production and decays in the kinematically accessible mass range.

Summary

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