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New limits on heavy neutrinos from NA62

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The NA62 experiment at CERN collected a large sample of charged kaon decays in flight with a minimum bias trigger in 2007, and with an improved setup in 2015-16.

Upper limits on the rate of the charged kaon decay into a muon and a heavy neutral lepton (HNL) obtained from 2007 data and limits

for electron and heavy neutral lepton obtained with 2015-16 data, are reported for a range of HNL masses.

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