

## Searches for lepton flavour and lepton number violation in $K^+$ decays

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The NA62 experiment at the CERN SPS is designed to measure the branching ratio of the  $K^+ \rightarrow \pi^+ \nu \bar{\nu}$  decay, very precisely predicted below  $10 \times 10^{-10}$  by the SM. NA62 took data in 2016-2018 and collected a large sample of charged kaon decays into final states with multiple charged particles. The sensitivity to a range of lepton flavour and lepton number violating kaon decays provided by this data set improves over the previously reported measurements. Results from the searches for these processes with a partial NA62 data sample are presented.

### Working Group

WG4 : Muon Physics

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