

Measurement of $BR(K \rightarrow e \nu)/BR(K \rightarrow \mu \nu)$ The NA62 Collaboration

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Measurement of the helicity suppressed ratio of charged kaon leptonic decay rates $BR(K \rightarrow e \nu)/BR(K \rightarrow \mu \nu)$ has long been considered as an excellent test of lepton universality and of the Standard Model (SM) description of weak interactions. It was pointed recently that the suppression of the SM contribution might enhance the sensitivity to SUSY-induced effects to an experimentally accessible level. The NA62 experiment at the CERN SPS has collected a record number of over 105 $K \rightarrow e \nu$ decays during a dedicated run in 2007, aiming at achieving 0.5% precision. Experimental strategy, details of the analysis and preliminary results are discussed.

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