

Measurement of K_{e3} branching ratio and study of K to $\mu \nu \gamma$ decay at ISTR+ setup

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We review recent results on charged kaon decays obtained by ISTR+ collaboration. The obtained branching fractions are compared with theoretical predictions. For K_{l3} radiative decays the estimations of T-odd asymmetry are given.

Summary

We summarize recent results from ISTR+ setup. The measured branching fractions are in good agreement with theory. The decay $K \rightarrow \mu \nu \gamma$ has been studied in a new kinematical region. The decay $K \rightarrow \mu \nu \pi^0 \gamma$ is observed for the first time. T-odd asymmetries are estimated for $K \rightarrow \mu(e) \nu \pi^0$ decays. New estimation of $|V_{us}|$ is made using the measured branching fraction of K_{e3} decay.

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