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Measurement of Ke3 branching ratio and study of K to mu nu gamma decay at ISTRA+ setup

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We review recent results on charged kaon decays obtained by
ISTRA+ collaboration. The
obtained branching fractions are compared with theoretical
predictions. For Kl3
radiative
decays the estimations of T-odd asymmetry are given.

Summary

We summarize recent results from ISTRA+ setup. The measured branching fractions are in good agreement with theory. The decay K->mu nu gamma has been studied in a new kinematical region. The decay K->mu nu pi0 gamma is observed for the first time. T-odd asymmetries are estimated for K->mu(e) nu pi0 decays. New estimation of |Vus| is made using the measured branching fraction of Ke3 decay.

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