

The measurement of the branching ratio for the decay $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ is considered to be one of the best ways of measuring the CKM matrix element V_{td} . The BNL experiments E787 and E949 have seen 3 instances of this decay, using a stopped kaon beam. To improve the statistics enough to make a good measurement will require a decay-in-flight experiment. Fermilab has approved such an experiment – E921. The status of this experiment and a new proposed experiment – P940 – will be discussed.