

## The $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ experiment at CERN

*Friday, May 25, 2007 10:50 AM (20 minutes)*

The NA48/3-P326 proposal for an experiment to measure the branching ratio of the very rare kaon decay  $K^+ \rightarrow \pi^+ \nu \bar{\nu}$  at the CERN SPS will be described. The proposed experiment aims to collect about 80  $K^+ \rightarrow \pi^+ \nu \bar{\nu}$  events with a 10% of background in two years of data taking. The status of the project, the R&D and the future perspectives for the experiment will be discussed.

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