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Kaon Experiments at J-PARC

The newly constructed high-intensity proton synchrotron, J-PARC (Japan Proton Accelerator Research Complex, <http://j-parc.jp/>), has completed the first stage of construction and the accelerator components are under commissioning. Many experiments using slowly extracted proton beam are proposed and preparing. In this talk, two experiments, 'KOTO' to search for $K_L \rightarrow \pi^0 \nu \bar{\nu}$ decay and 'TREK' for T-Violation using $K^+ \rightarrow \pi^0 \mu^+ \nu$ decay, will be introduced and their status will be reported.

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