Contribution ID : **6** Type : **Oral talk**

The upper limit on the $K^+ \to \pi^0\pi^0\pi^0 e^+\nu$ decay

Thursday, 24 October 2024 10:45 (15)

A high statistics search for the $K^+ \to \pi^0\pi^0\pi^0 e^+\nu$ decay is performed by the OKA collaboration. No signal is observed. Two other decays are also studied: $K^+ \to \pi^0 e^+\nu$ for normalization and $K^+ \to \pi^0\pi^0 e^+\nu$ for the cross-check. The upper limit set is $BR(K^+ \to \pi^0\pi^0\pi^0 e^+\nu) < 4.4 \times 10^{-8}$ 90% CL, 80 times lower than the one currently listed by PDG.

Primary author(s) : Mr. KULIK, Alexei (Institute for Nuclear Research); KULIK, Alexei; KULIK, Alexei (Institute for Nuclear Research)

Presenter(s) : Mr. KULIK, Alexei (Institute for Nuclear Research)

Session Classification : HEP Experiment

Track Classification : High energy physics: experiment