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

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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.

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