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Cosmic Neutrino Background Limits at the KATRIN Experiment and Beyond

The KATRIN experiment is a tritium endpoint experiment designed to search for the absolute mass of the electron neutrino. Tritium also presents an interesting possibility for searches for the cosmic neutrino background from the Big Bang via the thresholdless process of neutrino capture. I will present a calculation of the KATRIN's sensitivity to this process and present ideas for future searches of the cosmic neutrino background.

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