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Recent results from the ICARUS experiment

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ICARUS-T600 is the first large-scale realization of the Liquid Argon Time Projection Chamber detection technology for neutrino physics and nucleon decay searches. It has been running in the underground Gran Sasso laboratory for three years (from May 2010 to June 2013) detecting both neutrinos from the CNGS beam and cosmics. The results obtained so far will be presented with special emphasis on: (1) the tests of possible existence of sterile neutrinos through the search for $\nu_{\mu} \rightarrow \nu_{\tau}$ oscillations in the CNGS beam with enlarged statistics, and (2) reconstruction performances of ICARUS-T600 including recent results on muon momentum measurement through Multiple Coulomb Scattering.

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