

The ICARUS detector for the Short-Baseline Neutrino (SBN) experiment at Fermilab

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ICARUS is one of three liquid argon time projection chambers (LArTPCs) of the Short-Baseline Neutrino (SBN) Program at FNAL. SBN's purpose is to address the observed neutrino measurement anomalies seen by experiments such as LSND and MiniBooNE, and the potential existence of sterile neutrinos. ICARUS underwent an overhaul at CERN and has now been transferred to FNAL where ICARUS will serve as the far detector in a physics run for the SBN Program. ICARUS resides in the Booster Neutrino Beam (BNB), and is currently ready for physics data taking (Run1) by the end of the year. This talk will present the current status of the ICARUS detector and its physics goals.

Author: BABICZ, Marta (Polish Academy of Sciences (PL))

Presenter: BABICZ, Marta (Polish Academy of Sciences (PL))

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