

Prototype of light collection module for LAr TPC (ArgonCube).

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Light collection module (LCM) is intended for registration a vacuum ultraviolet light in a liquid argon time projection chamber.

The core of the LCM is a WLS-fiber array, coated by TPB solution, which is fixed on a PVC plate.

LCM is being developed and made as a part of a light registration system of ArgonCube in Dzelepov Laboratory of nuclear problems at JINR.

ArgonCube is a modular pixilated LAr TPC, which is being developed for it possible usage as a near detector of the Deep Underground Neutrino Experiment (DUNE).

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