

Development of a Wavelength-Shifting Fiber-Based Photon Detector for LBNE

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The proposed LBNE experiment will use liquid argon TPCs for the far detector. We are developing a prototype photon detector for potential use in the LBNE far detector. This prototype is based on wavelength shifting fibers and will utilize silicon photomultipliers for readout. In this talk I will describe progress and plans on the prototype development. I will also provide an update on the latest development of our cryogenic detector development test facility, which includes a 500 L cryostat designed for testing full-scale photon detector components for LBNE.

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