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Liquid Argon Scintillation Studies with the Bo Test Stand

The Bo test stand at Fermilab is a high purity liquid argon R&D detector, used to study argon scintillation physics and light collection technologies. This poster will review several measurements made in the Bo test stand which are of importance to future large scale liquid argon detectors. These include a measurement of the absorption caused by nitrogen contamination in argon, a study of the effects of dissolved methane in argon, investigations of the time structure of argon scintillation light, and characterizations of the optical systems of the MicroBooNE experiment.

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